

Ministry of Finance
E-Invoice Platform

Turnkey User's Manual

Ver : 3.9

Fiscal Information Agency, Ministry of Finance

17, February, 2025

Revision History :

Version	Description of revision	Date of issue
V3.0	Update to 3.0 related screen adjustments	2023/05/01
V3.1	<ol style="list-style-type: none"> 1. Adjust the description and icon of the Turnkey update process 2. Update, database check help and icons 3. Update, system environment settings – notification configuration adds help recipient email address can be configured with multiple groups 4. Update, Turnkey monitoring settings to add instructions that multiple groups of recipients' email addresses can be set 5. Update, Appendiices, VIII, Description of the Manually Upgrade <ol style="list-style-type: none"> (1) Operation description of the old and new password conversion tools, add (2) H2 database version and data update (3) Retention of Legacy Materials 	2023/05/10
V3.2	<ol style="list-style-type: none"> 1. Update the version notes applicable to the database in the environment where Turnkey is used 2. Add background execution Turnkey scheduling instructions 3. Added E0401, E0402 INVOICE_IDENIFIER format description 4. View message logs, add group description and update screen icons 	2023/06/27

	<ol style="list-style-type: none"> 5. Update the scheduling settings screen icon 6. Update the Gateway elements name description 7. TURNKEY_MESSAGE_LOG added to the index description 	
V3.3	<ol style="list-style-type: none"> 1. Add MS-SSQL database entity as a non-required field description 2. Goalkeeper adds report printing function operation instructions 3. Update description of parse daily summary results from the E-Invoice Platform 	2023/08/01
V3.4	<ol style="list-style-type: none"> 1. Adjust the description of the usage environment requirements 2. Receiver management changed to Receiver settings 3. Added error messages for creating software credentials and instructions for handling them 4. Remove Award List Password Setting 5. Adjust the log folder description 6. Remove .exe executable program 7. Web Service changed to Web API 8. Adjust the contents of the data table Index 	2023/10/16
V3.5	<ol style="list-style-type: none"> 1. Goalkeeper add Certificate Checklist, remove Upload Invoice List and Failure List by Platform 2. directory settings add V4.0 item 3. Adjust the SummaryResult's directories for Certificate Checklist 4. Added E0502 、 E0503 、 F0401 、 F0501 、 	2023/11/01

	F0601 、 F0701 、 G0401 、 G0501 、 G0701 INVOICE_IDENIFIER format description	
V3.6	<ol style="list-style-type: none"> 1. B2B and B2C Certificate directory settings Added a hint window 2. Configure a description of the certificate number added to the certificate management configuration 3. Fixed upload file size limit to a maximum of 20MB 4. Added the function of notifying the latest announcement messages of the platform 5. Adjusted the SQL and description of common queries, and changed the transmission details to UUID 6. Adjusted the instructions for adding and editing the operation of the Transmission account management 	2023/12/19
V3.7	<ol style="list-style-type: none"> 1. Adjusted the SummaryResult file name rule and storage path description 2. Webservice changed to Web API 3. Added the download path description of E050X 4. Adjust the description of the certificate Checklist 5. Add data file processing flow chart 	2024/01/15
V3.8	<ol style="list-style-type: none"> 1. Description of the Manually Upgrade change to H2 database version update and data migration 2. Added statistical descriptions of undelivered invoices and failed uploads to the certificate checklist 3. User management supplements user passwords as an encrypted password function 	2024/03/04

<p>V3.9</p>	<ol style="list-style-type: none"> 1. Updated the MIG end time announcement. 2. Update the number of pages. 3. Delete some instructions for installing Turnkey. 4. Added explanation that E0401 and E0402 are not included in the certificate verification form. 5. Adjust Linux installation instructions. 6. Remove unnecessary descriptions in Parameters, Three, and (2). 7. Added update to version 3.2.0. The directory is not set to version v4.0, and an error notification will be displayed when uploading. 8. 5. During the screen operation, the "source message version" description and (2) operation description are modified in items 8 to 11 and 13, and the prompts that will appear in version 3.2.0 are added. 9. 5. During the screen operation, item nine is updated to the certificate storage directory (B2S) v4.1 description. 10. V. During screen operation, item 26 updates the registered software certificate diagram. 11. In land and text modes, the prompts that will appear in version 3.2.0 are added to items 8 to 11 and 13. 12. In land and text mode, item 9 is updated to the certificate directory (B2S) v4.1 description. 13. Screen and text operation to create software voucher modification screen. 14. Added new Card voucher description in text mode. 15. Modify the description of Qi and Unpack. 	
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	<p>16. Update the content list of the processing result codes and result description parameters returned by the integration service platform and the center response message code table.</p> <p>17. Added description of syslog error code -998.</p> <p>18. Update Turnkey function and message code and format comparison table</p>	
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Announcement

I. Electronic Invoice Data Exchange Standard Message Construction Guide (MIG) version 3.2.1 and 3.1.2 will cease to be used on January 1, 2026.

Please use MIG version 4.0 from January 1, 2024.

1. Business operators who newly apply to use Turnkey from January to June 2024 should give priority to importing MIG version 4.0.
2. Starting from July 1, 2024, new business operators applying to use Turnkey must use MIG version 4.0 to avoid the cost of conversion after the sunset of MIG versions 3.2.1 and 3.1.2.
3. MIG version 4.1 will be fully used on January 1, 2026.

Contents

I.	Introduction	1
	(I) Program features	1
	(II) Document Purpose	1
	(III) Environmental requirements	1
II.	Installation and Setup.....	3
	(I) Setting up database.....	3
	(II) Installation and update processes.....	3
III.	Overall Turnkey Operation Processes and Description	18
	(I) Overall Turnkey operation processes and description	18
	(II) Invoice lifecycle for B2B exchange invoices	21
	(III) Invoice lifecycle for Certificate invoices	22
IV.	Turnkey connection test	24
	(I) Description of connection test.....	24
	(II) Preparation for connection test	25
	(III) Turnkey execution.....	26
	(IV) Turnkey settings	28
	(V) E-Invoice file transmission	33
V.	Screen Operations	34
	(I) Common function.....	34
	(II) Scheduling settings	35
	(III) Schedule Logs	39
	(IV) System Environment Settings - System Settings	40
	(V) System Environment Settings - Notification Settings	43
	(VI) System Environment Settings - Working Directory	44
	(VII) System Environment Settings - Enable Password.....	45
	(VIII) B2B exchange directory descriptions	47
	(IX) B2S Certificate directory settings	50

(X) B2B certificate directory settings.....	52
(XI)B2C certificate directory settings.....	55
(XII)Download process directory settings.....	57
(XIII) Invoice number assignment message (B2P) directory settings	60
(XIV) Transmission account management	62
(XV)Certificate management.....	65
(XVI) Sender management.....	69
(XVII) User Management	73
(XVIII).....Environment detection	
74	
(XIX) Receiver settings	76
(XX)View message logs.....	78
(XXI) View event logs.....	81
(XXII) Message log statistics.....	83
(XXIII).....Query receiver routing code	
85	
(XXIV)	Clearance settings
87	
(XXV) Password Encryption	88
(XXVI)	Make software credentials
89	
(XXVII) Goalkeeper	95
(XXVIII) File encryption and decryption	100
(XXIX)	Helper
102	
VI. Text mode Operations	103
(I) Common function.....	103
(II) Scheduling settings	105
(III)Schedule Logs	119

(IV) System Environment Settings - System Settings	120
(V) System Environment Settings - Notification Settings	125
(VI) System Environment Settings - Working Directory	136
(VII) System Environment Settings - Enable Password.....	138
(VIII) B2B exchange directory descriptions	142
(IX) B2S Certificate directory settings	146
(X) B2B certificate directory settings.....	150
(XI) B2C certificate directory settings.....	155
(XII) Download process directory settings	160
(XIII) Invoice number assignment message (B2P) directory settings ..	164
(XIV) Transmission account management	168
(XV) Certificate management	173
(XVI) Sender management	180
(XVII) User Management	188
(XVIII).....Environment detection	
194	
(XIX) Receiver management.....	200
(XX) Query message logs	204
(XXI) Query event logs	206
(XXII) Message log statistics.....	208
(XXIII).....Query Receiver Routing Code	
212	
(XXIV) File clearing settings	
213	
(XXV) Password Encryption	216
(XXVI) Make software credentials	
217	
(XXVII) Goalkeeper	222
(XXVIII) File encryption and decryption	228

VII.	Description of Data Processing Process	231
	(I) Upload and download processes	231
	(II) Turnkey work directories	237
	(III) Return message from the E-Invoice Platform.....	245
VIII.	Upload Status Inquiry	258
	(I) Use the Turnkey message inquiry tool.....	258
	(II) Direct inquiry to the Turnkey database	259
	(III) Parse daily summary results from the E-Invoice Platform.....	268
IX.	Turnkey Backup	269
	(I) Configuration data.....	269
	(II) Transaction data	270
	(III) Back up internal file system.....	272
X.	Appendices.....	273
	(I) Error message codes and troubleshooting.....	273
	(II) Reference list for Turnkey functions, message codes and formats..	297
	(III) Turnkey data tables and fields.....	300
	(IV) Turnkey monitoring functions and descriptions	307
	(V) Turnkey Q&A	314
	(VI) How to use Turnkey gateway elements	320
	(VII) Prevent missed uploads through ProcessResult and SummaryResult check mechanism.....	324
	(VIII) H2 database version update and data migration (only for v3.x Turnkey to v3.1.2 Turnkey).....	328

List of Figures

Figure 5-1 、 Figure 1 View the function of event record query	81
Figure 5-2 、 Detailed view of individual items of incident records	82

I. Introduction

(I) Program features

The system is designed to enable the staff of business entities and E-Invoice value-added third party(referred to as “the value-added third party” hereafter) to receive, send, cancel and write off uniform invoices and for the allowance of cancellation and write-off of uniform invoices with relevant applications, and to allow the receiver of a uniform invoice to acknowledge the receiving by sending a reply back. The system homepage, as shown below, contains 3 groups of functions, “Transfer Settings”, “Query Logs inquiries” and “Tools.”



(II) Document Purpose

The “Turnkey” user’s manual (referred to as the “Manual” hereafter) is designed to allow users to be familiar with the use of the E-Invoice Transmission Program (referred to as “Turnkey” hereafter) through the descriptions of how to install and operate the program.

(III) Environmental requirements

- (1) Windows, LINUX or FreeBSD:
 - A. RAM: 32GB or more
 - B. HD: 80GB or more of available space (including space for operations)
 - C. CPU: Quad core, 2.0GHz or more
 - D. LINUX: Ubuntu 18.04 or higher, Redhat ES 7 or higher, XWindows installed, support for 64-bit OS
 - E. WINDOWS: Win10, WIN2016 Server or higher, support for 64-bit OS
 - F. FreeBSD: FreeBSD 12.2 or above, supporting x86-64 platforms.
- (2) Database:
 - A. PostgreSQL 11.7 or higher
 - G. Oracle 19c, 21c or higher
 - H. MySQL 5.7 or higher, MSSQL Server2014 or higher
 - I. MariaDB 10.9.3 or higher
 - J. Turnkey internal file system (external database not required)
 - K. Turnkey has to be established at a separate database if PostgreSQL is used.
- (3) Open JDK
 - A. OpenJDK17

II. Installation and Setup

(I) Setting up database

The Turnkey can be run on an external relational database or its own internal file system to keep a track on program messages and abnormal events. If an external database is chosen, the database has to be installed and the data tables required by Turnkey established before the Turnkey is installed. The schema required for data table establishment can be downloaded along with the Turnkey installer(If the data table has not been created before starting Turnkey, you can also create the data table through the database connection setting function of Turnkey).

The internal file system may serve as the database if no external relational database is assigned, and is available for use as soon as the Turnkey is installed, eliminating the installation and setup of the external relational database. The database of SERVER BASE is recommended.

The use of internal file system eliminates the additional database management. However, the integration of Turnkey's functions is required if there are other applications used internally by the user. Or, this way of use is not suitable if the settings and records of Turnkey have to be accessed through the database.

An external relational database is recommended for large quantity of uniform invoices. For the selection and sizing of the database required, please read "IX.5 Q&A for Turnkey uses" in the Manual.

(II) Installation and update processes

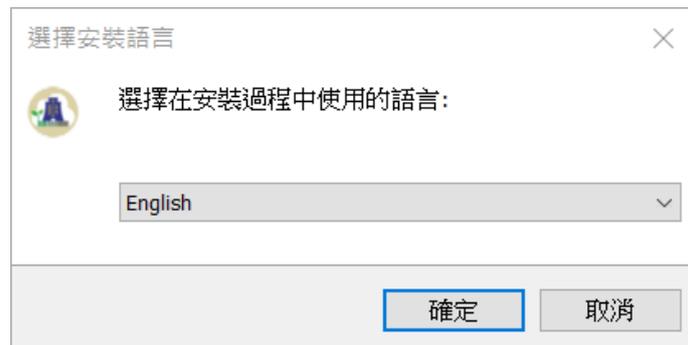
Users must download the JDK or OpenJDK themselves before they can use it. Please confirm that the JRE has been installed before installation, if you have not installed the JRE, please refer to the JRE

installation instructions on the software download page of the electronic invoice integration service platform Turnkey.

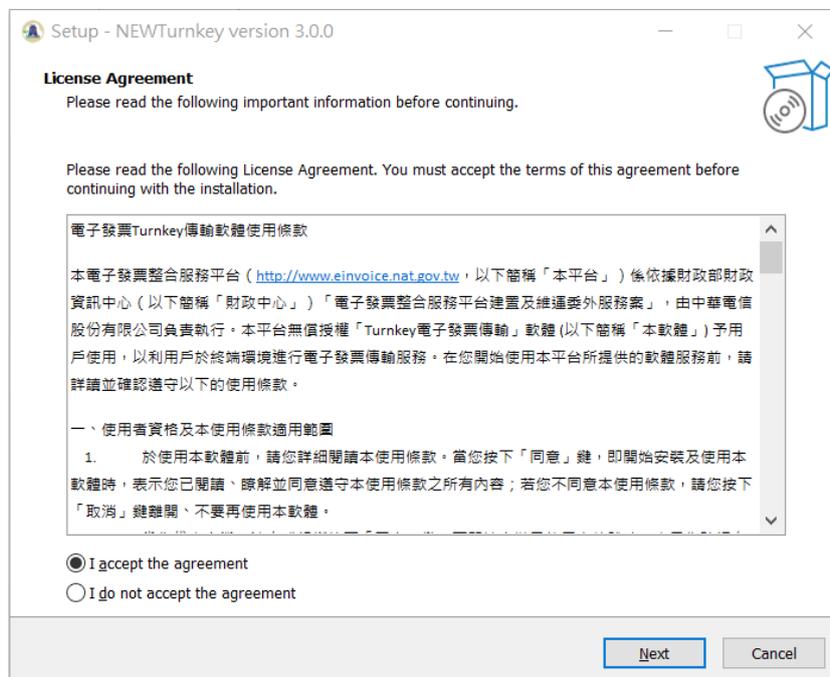
1. Installing in a Windows environment

The following screen will show up when the Turnkey installer is executed.

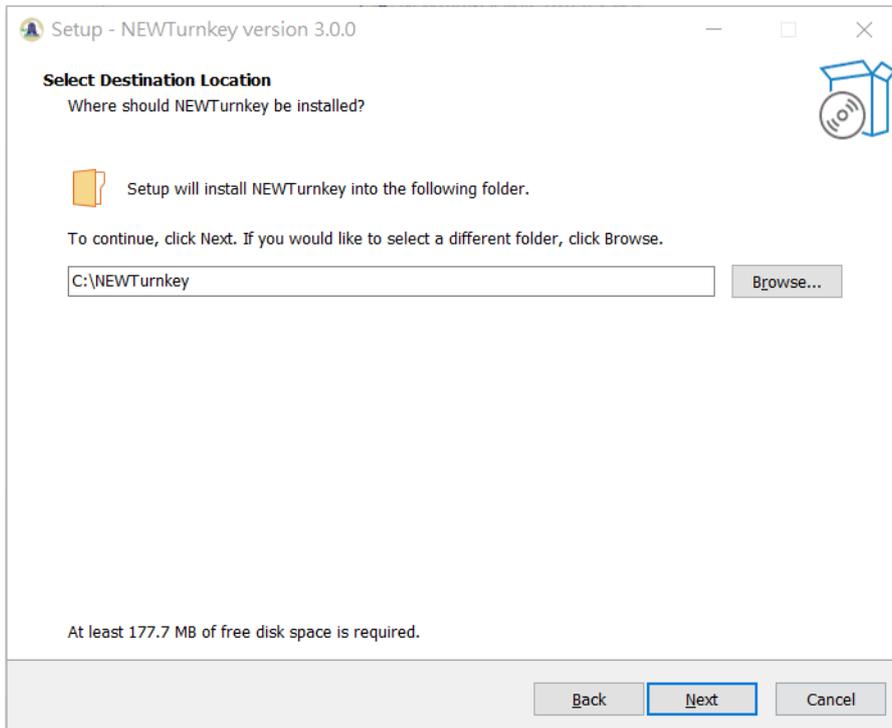
(1) Click Use language > OK



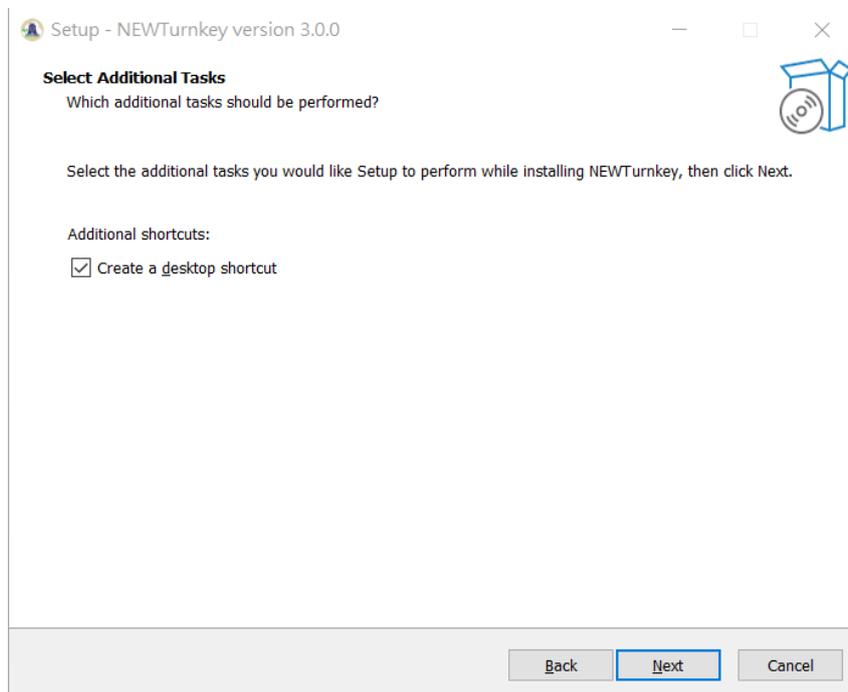
(2) License Agreement > Click Next



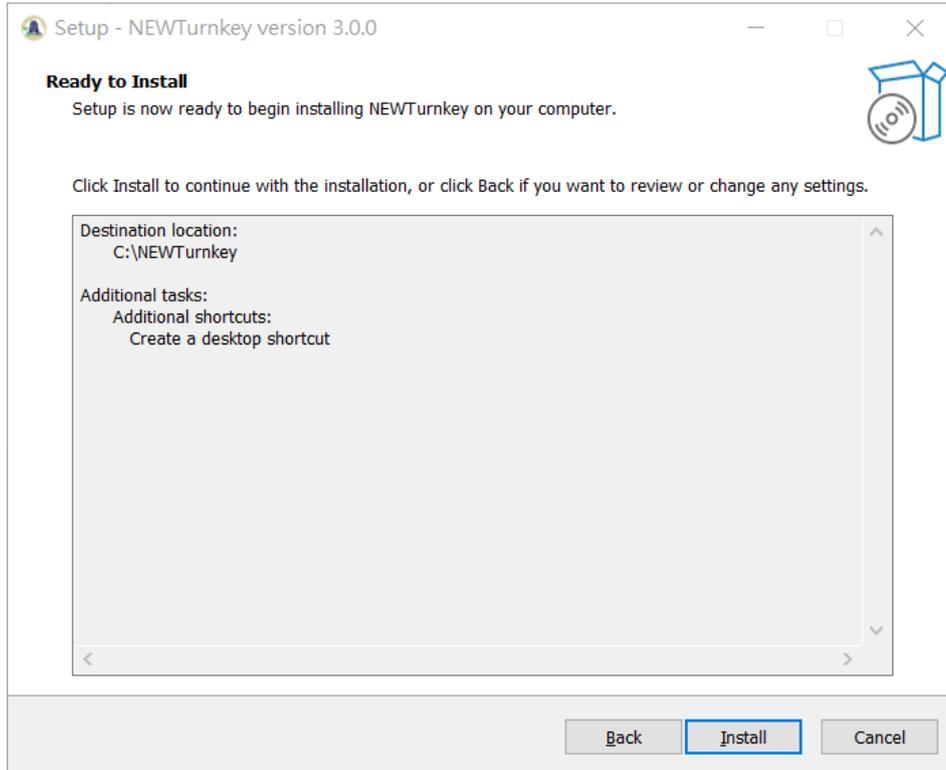
(3) Set directory > Click Next (D drive or other drivers than C is suggested in order to store more data)



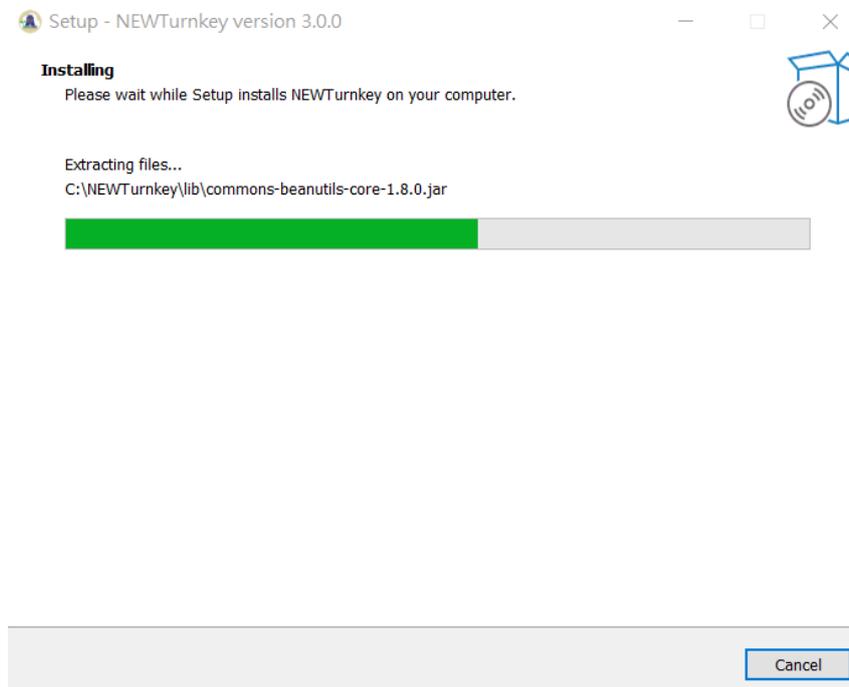
(4) Check whether to create desktop icons > Click Next



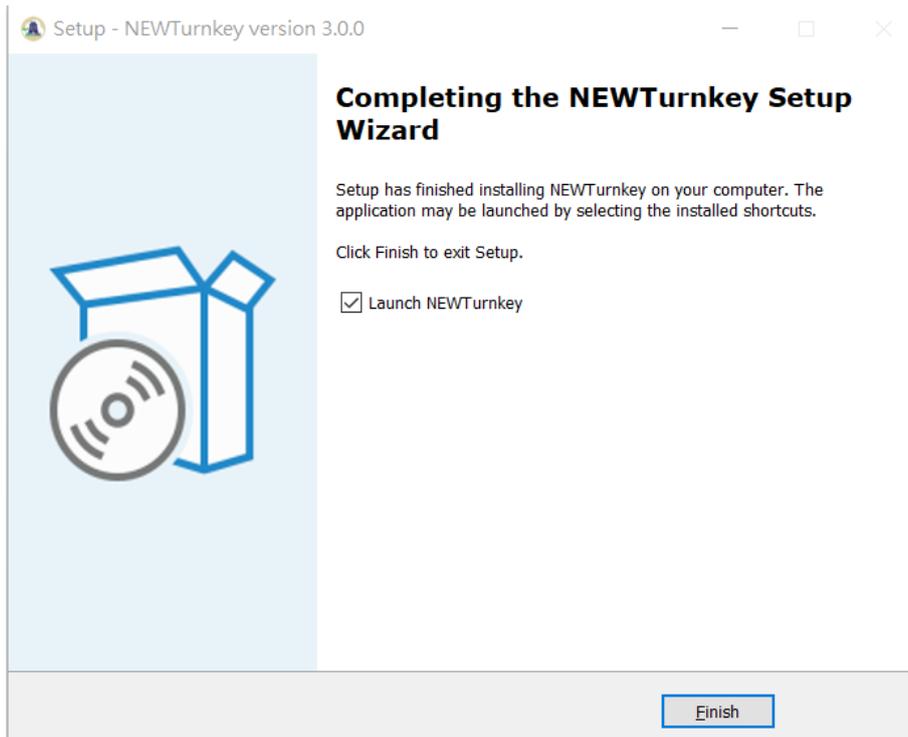
(5) Click > Install



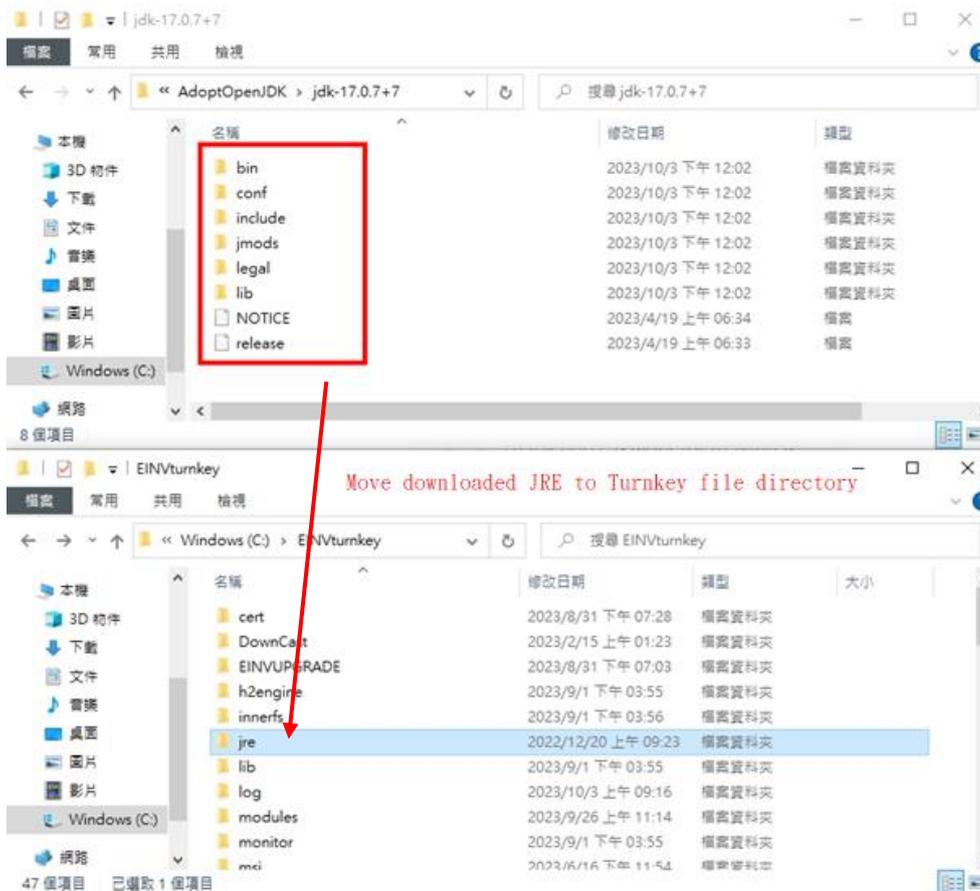
(6) Executing



(7) Click “Finish” to complete installation.



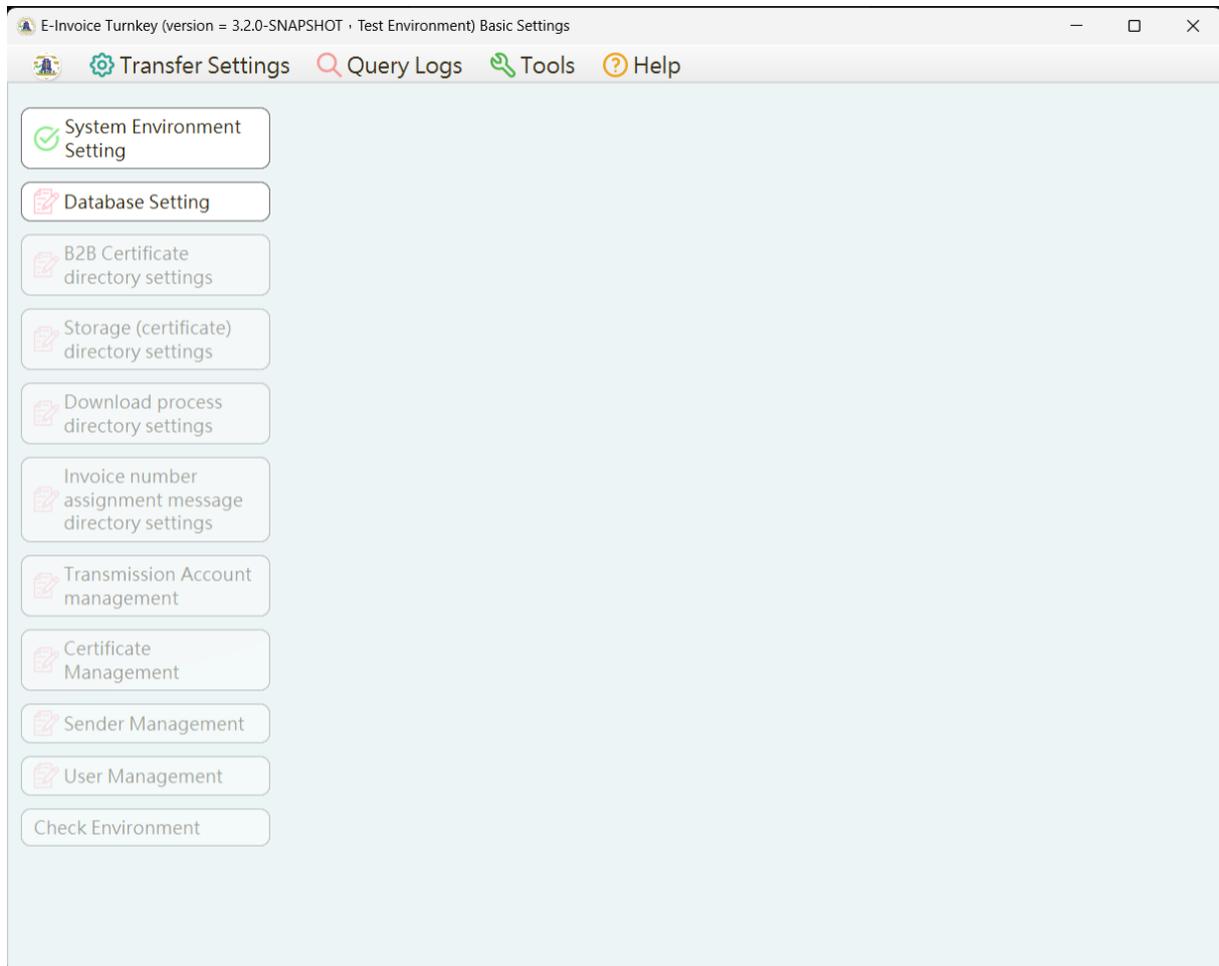
- (8) Move downloaded JRE to Turnkey file directory. Use AdoptOpen JDK as example, copy jre folder from installed AdoptOpen directory and paste to Turnkey file directory.



(9) After JRE folder copied to Turnkey file directory:

- A. If you are a first-time user who installs Turnkey: Run the Turnkey software, open the Turnkey software for the first time because the working directory has not been set, the system will pop up the "Basic Configuration" window, please specify the Turnkey work-related directory on the system environment setting page and set the database connection information on the database online setting page.
- B. For manually upgrade and keep old Turnkey settings, please refer to "IX. Appendices 8. Manually Upgrade".
- C. If the user still needs to modify the environment settings after installing Turnkey, they can execute Open Turnkey > Transfer Settings > Basic Settings to open this setting screen.

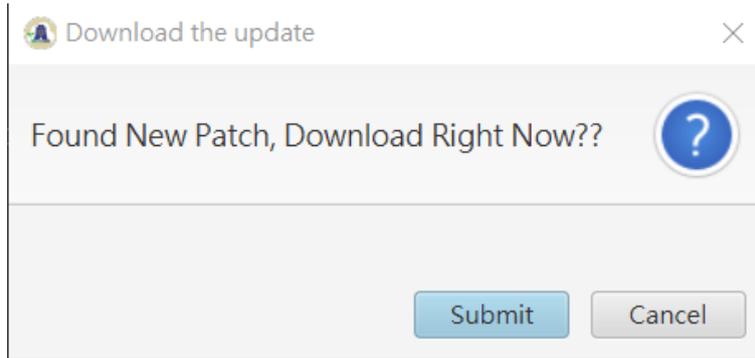
D. After the installation is complete, you can execute Turnkey > and you will see the following screen



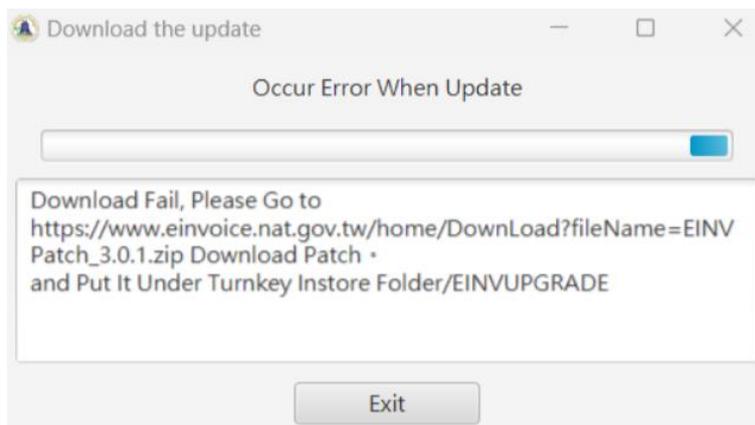
2. Updating Turnkey in a Windows environment

The Turnkey will check automatically for any updates when restarted. If an update exists, the update mechanism will be activated to download the new patch and start updating. The process and pages are described as follows:

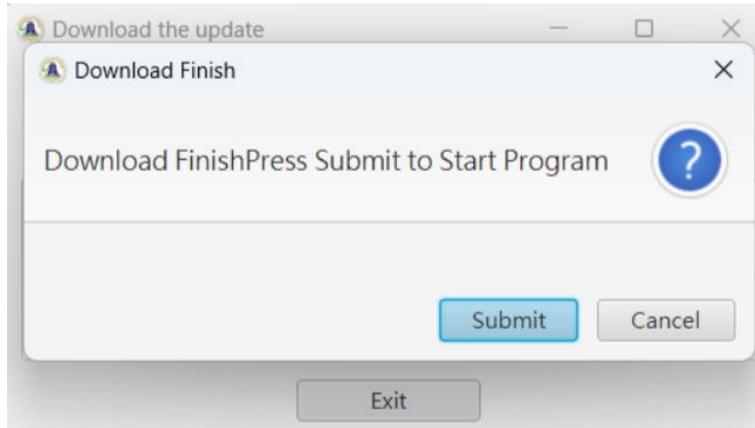
- (1) The system prompts "Download update file message" when the Turnkey is started.



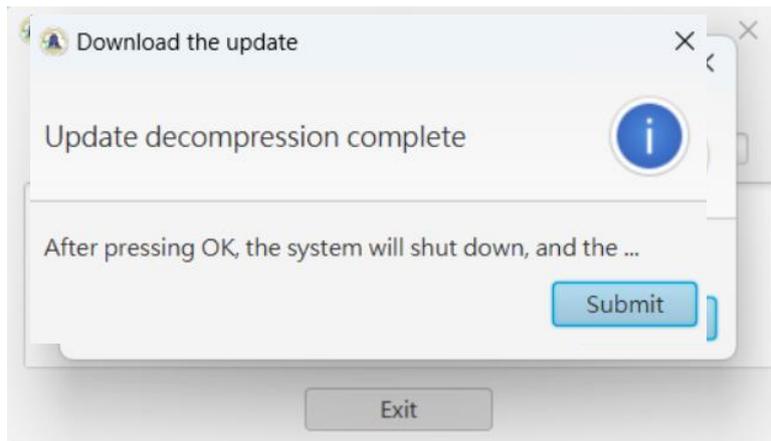
- (2) Click “Submit” to start downloading the update file. This may take a few minutes. If the download cannot be performed normally, a prompt window will appear indicating that the download of the update failed, please follow the prompts again.



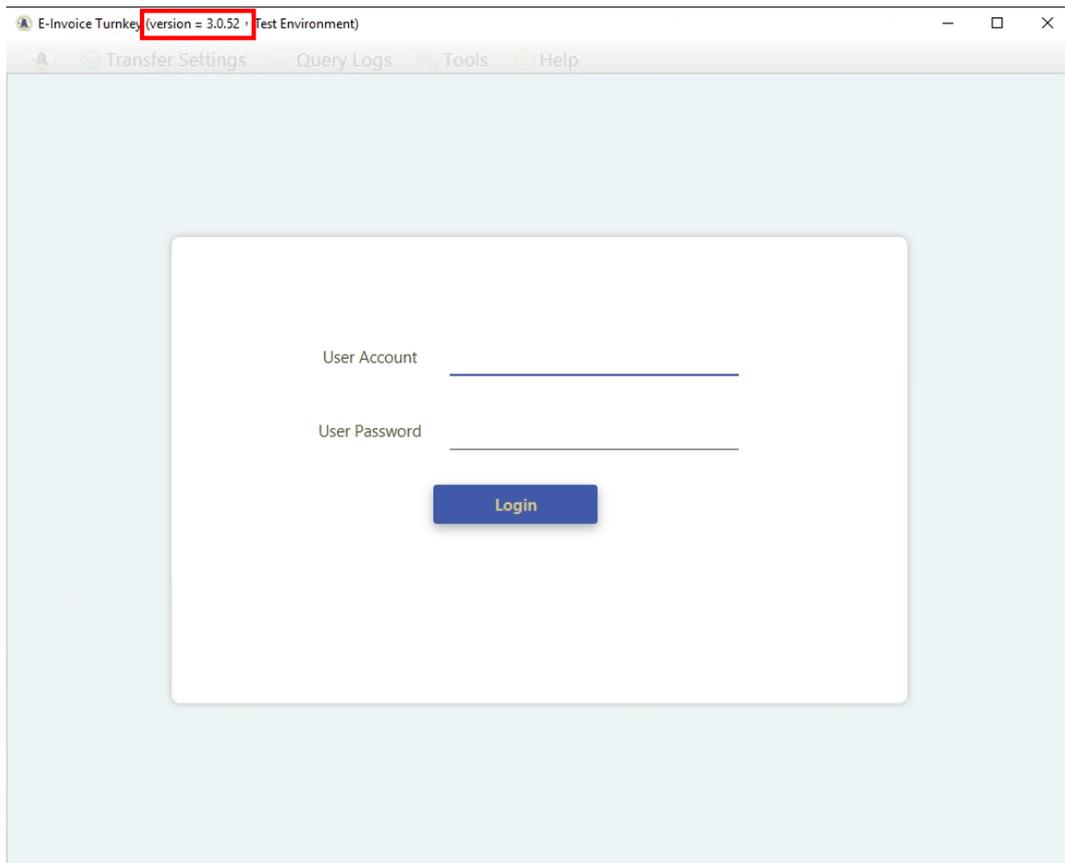
- (3) After the update file is downloaded normally, a reminder window for "OK Update" is displayed. Press "Submit" and the update file will be decompressed.



- (4) After the extraction is complete, the system will close the prompt window asking the user to re-execute Turnkey to complete the automatic update.



- (5) After performing the Turnkey update again, you can check whether the version above the Turnkey is updated.



3. Installing Turnkey in a Linux environment

(1) First unzip the Turnkey zip file (API_Linux_EINVturnkey_setup_X.X.X.tar.gz) to the directory where it is to be installed

(tar zxvf API_Linux_EINVturnkey_setup_X.X.X.tar.gz -d \$user directory). Copy the pre-downloaded JRE to the Turnkey working directory.

(2) Run ./run_ui.sh to start Turnkey.

■ Attention is required for the following when installing Turnkey in Linux:

- The Turnkey supports only Ubuntu 18.04 or higher, Redhat ES 7 or higher, and 64-bit versions.

- Xwindow and Chinese font suite are required to display Chinese characters correctly.
- There is no graphical interface, please perform `run_cmd.sh` for text mode operation.
- Check that OpenJDK is ver.17.
- Run Script at the Turnkey installation directory. Do not put it in the profile path or the proam will not run.

4. Updating Turnkey in a Linux environment

- (1) The Turnkey will check for any updates every time it is started, and starts the downloading if there is.
- (2) The update file download directory is `EINVUPGRADE` under the `TURNKEY` decompression directory (this directory is the update file download directory and will only contain the current update file). After the download is completed, `unzip` will be automatically executed.
- (3) After the decompression is completed, the system will automatically shut down, and the user will restart the Turnkey program to trigger the update process. Some update packages will change user settings, and the update will back up `einvUserConfig.xml` to `einvUserConfig.xml.bak`.

5. Installing Turnkey in a FreeBSD environment

- (1) First `unzip` the Turnkey zip file (`API_Linux_EINVturnkey_setup_X.X.X.tar.gz`) to the directory where it is to be installed
`(tar zxvf API_Linux_EINVturnkey_setup_X.X.X.tar.gz -d $user directory)`.
- (2) Run `./run_cmd.sh` to start Turnkey.
 - Attention is required for the following when installing Turnkey in

Linux:

- Only FreeBSD 12.2 and above are supported, and x86-64 platforms are supported.
- If you need to use the graphical interface, you need to use Xwindow and Chinese this episode package to display the Chinese normally, and execute the run_ui.sh to open the Turnkey application with the graphical interface
- There is no graphical interface, please perform run_cmd.sh for text mode operation.
- Check that OpenJDK is ver.17.
- Run Script at the Turnkey installation directory. Do not put it in the profile path or the proam will not run.

6. Updating Turnkey in a FreeBSD environment

- (1) The Turnkey will check for any updates every time it is started, and starts the downloading if there is.
- (2) The update file download directory is EINVUPGRADE under the TURNKEY decompression directory (this directory is the update file download directory, and only the current update file will be there). After the download is completed, unzip will be automatically executed.
- (3) After the decompression is completed, the system will automatically shut down, and the user will restart the Turnkey program to trigger the update process. Some update packages will change user settings, and the update will back up einvUserConfig.xml to einvUserConfig.xml.bak.

7. Start Turnkey

(1) Start the Turnkey GUI

- a. A desktop icon of the “E-Invoice customer end connection

program” is provided on the desktop once the Turnkey is installed in Windows. Or, there is a link to start the program by going to “Start> Programs> E-Invoice customer end connection program. Click on the icon or the link to start the Turnkey homepage; the corresponding start program scripts are located in the Turnkey installation directory, as shown below:

- EINVTurnkey.cmd: to run Turnkey.
- EINVTurnkeyMonitor.cmd: to run the Turnkey monitor
- EINVTurnkeyCmd.cmd: to run Turnkey in text pattern
- EINVTurnkeyMonitorCmd.cmd: to run Turnkey monitor in text patterns

b. Start the script required to run Turnkey in Linux, as described below:

- run_ui.sh: to run Turnkey
- run_monitor.sh: to run the Turnkey monitor
- run_cmd.sh: to run Turnkey in text pattern
- run_monitor_cmd.sh: to run Turnkey monitor in text patterns

(2) The background starts the Turnkey schedule

If the schedule settings of Turnkey have been completed, you can start or stop the Turnkey schedule operation through the executable files and scripts in the Turnkey installation directory. The instructions are as follows:

■ Windows environment:

- run_start.cmd : The background starts the scheduled job script

- `run_stop.cmd` : The background terminates the scheduled job script

■ Linux environment:

- `run_start.sh` : The background starts the scheduled job
- `run_stop.sh` : The background terminates the scheduled job

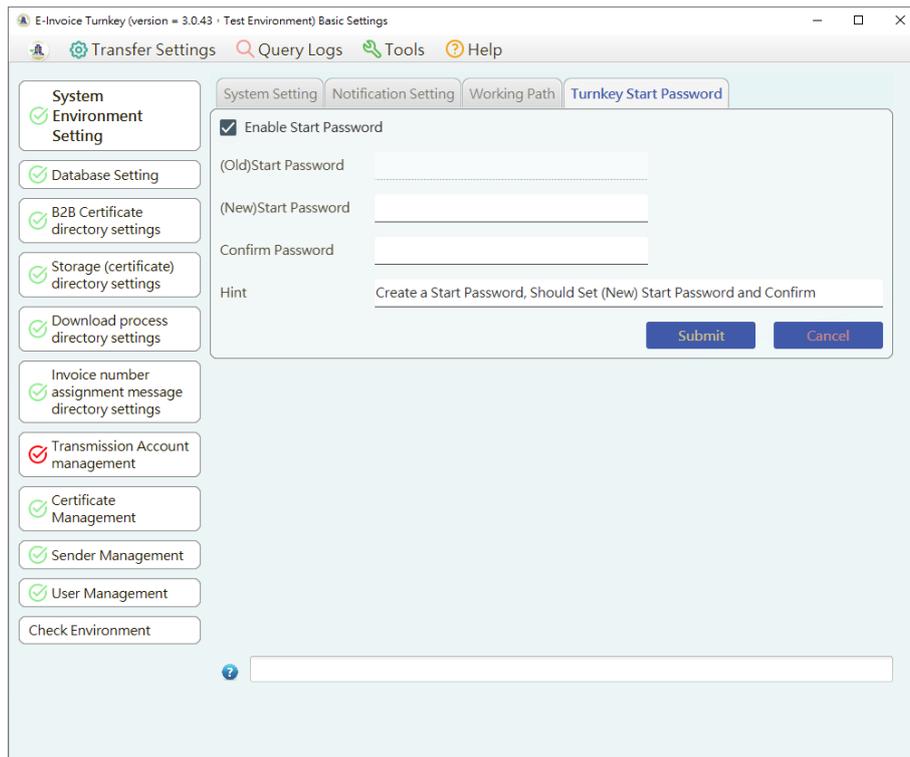
8. Advanced environment settings

A more secure way of settings is provided in the “Environment settings” page for password protection, as described below.

(1) Activate the use password

This function provides the highest level of security. When this is activated, all the confidential information related to Turnkey settings, such as database passwords, certificate passwords and transmission passwords, are encoded and stored with the activation password defined by the user, and this activation password does not exist in any file or database. No one can use Turnkey or access the original confidential information by cracking the coding principles except the user who defined the password.

On the "System Environment Settings" screen, click the "Activation Password" tab, and the following screen will appear asking the user to enter the activation password.



To change the activation password later, can change the startup password under the "Transfer Settings> Basic Settings> System Environment Settings> Startup Password" functions.

Once the activation password is activated, the user will be asked to enter this password before being allowed to access any Turnkey page or run any patch program. This function cannot be cancelled once it is activated. The user has to reset the activation password if he forgets, and redefine the database passwords, certificate passwords and transmission passwords. Therefore, the user is strongly advised not to forget this activation password.

III. Overall Turnkey Operation Processes and Description

(I) Overall Turnkey operation processes and description

The Turnkey is a program tool with which to upload uniform invoices. The integration of this program with the internal system of business entity is required. Generally, a company will have to have a uniform invoice upload system to be integrated with the Turnkey, and this system is responsible for processing the errors made by the Turnkey during the invoice uploading. There are two types of error the Turnkey can make while uploading invoices, the Turnkey end errors and the grand platform end errors, as described below:

A. The key point of a Turnkey end error is whether the format of invoice and allowance form meets the MIG requirements.

B. The errors replied by ProcessResult are the grand platform end errors. The key is whether the uploading sequence follows the invoice lifecycle.

(1) The overall Turnkey operation processes and description are provided as follows:

A. A business entity should pay attention to the following when generating a uniform invoice:

(A) A check on the invoice fields shall be established when an invoice is established. A fool-proof mechanism is required to meet the MIG requirements and reduce the Turnkey end errors to zero.

(B) The establishment of an invoice requires a mechanism to prevent repeated invoices and alphabetic letters misuse.

- (C) Two things about the common carrier require user's attention:
 - a. Cell phone barcode carrier category:3J0002; hidden code for cell phone barcode carrier: the cell phone barcode always starts with a slash "/" and the alphabets are always in capital case.
 - b. Citizen digital certificate barcode carrier category: CQ0001; the hidden code for the Citizen digital certificate barcode carrier always starts with two alphabets.

- B. A list comparison mechanism is required to prevent missed uploads: A comparison of the numbers of invoices generated and received between the invoice uploading system and the invoice generation system at the business entity end shall be established to prevent invoices not uploaded.

- C. Business entity invoice uploading system: a mechanism shall be established to check the MIG fields to prevent the failure of fool-proof mechanism due to accidental modification when the business entity attempts to correct a problem in the invoice system. The notification mechanism shall be triggered immediately upon the failure of MIG field check here, allowing the modification of business invoice generation system and reducing the Turnkey end errors due to the negligence during the adding and deleting operations at the invoice generation system.

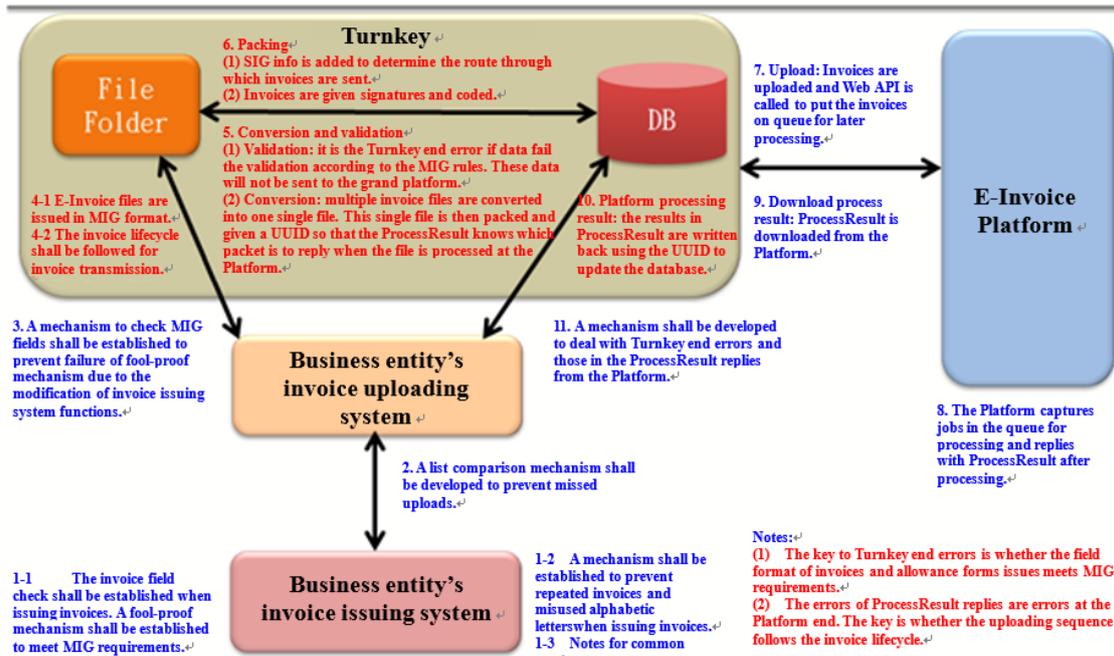
- D. How to upload invoices using the business entity invoice uploading system:
 - (A) Generate an E-Invoice file in the MIG format.
 - (B) The invoice shall be transmitted according to the invoice lifecycle, which will be explained later.

- E. Turnkey conversion and verification:
 - (A) Verification: Data verification is carried out in accordance with MIG regulations. If the data is wrong on the Turnkey side, it will not be sent to the big platform.
 - (B) Convert: Convert multiple invoice files into one invoice file, package it into 1 package and determine the UUID, so that after the platform is processed in the future, the ProcessResult will know where to respond. A package of processing results.
- F. Turnkey encapsulation:
 - (A) The SIG information is added to determine the route through which to send an invoice.
 - (B) Invoice signing and coding are performed.
- G. Turnkey upload: the invoice is uploaded to FTP server, the Web Service is called to transfer to Queue for subsequent processing.
- H. The grand platform captures jobs from the Queue and throws them to ProcessResult after they are processed.
- I. Turnkey downloads processing results: the ProcessResult replied by The Platform is downloaded.
- J. Turnkey processes the grand platform processing results: use UUID to write back the ProcessResult result and update the database status.
- K. The business entity invoice uploading system deals with two types of Turnkey errors: a processing mechanism is required for the Turnkey end errors or those responded by the ProcessResult at the

grand platform.

L. The structure of the overall Turnkey operation processes and description is provided below.

Turnkey operation progress and description



(II) Invoice lifecycle for B2B exchange invoices

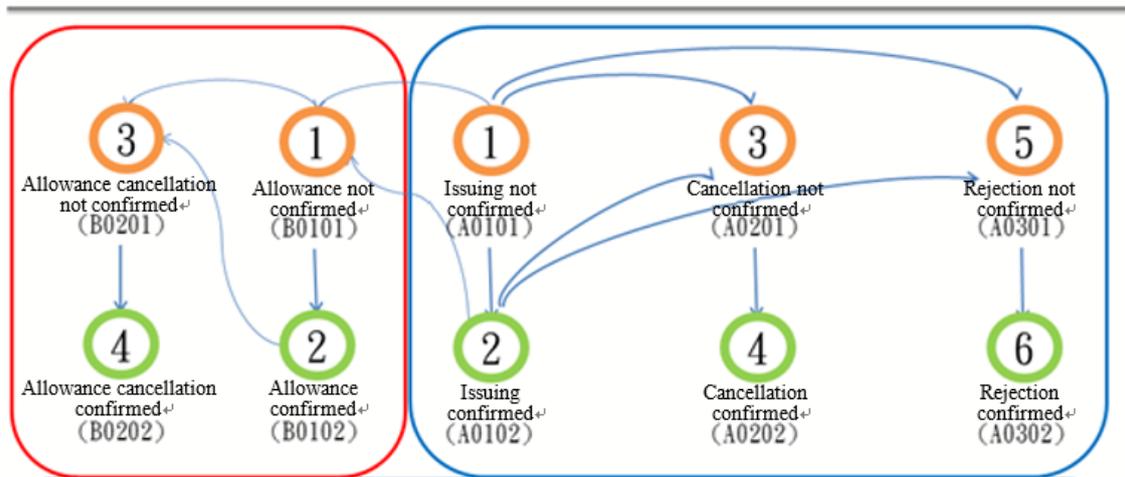
The invoice lifecycle for B2B exchange invoices is described as follows:

- States ①~⑥ have to be aligned from the smallest to the largest. ①③⑤ are not confirmed and become ②④⑥ respectively after confirmation; only ③→④ is allowed and ②→④ is not. As such, only ⑤→⑥ is allowed and ④→⑥ is not. ①② can transform to ③⑤, but ⑤ cannot transform back to ②.
- ③ is cancelled by the vendor, and ⑤ by buyer (invoice returned but not confirmed). Whichever cancels the invoice, only one confirmation is

required. Therefore, ③→⑤ is not allowed, which is an exception.

- The allowance states ①~④ have to be aligned from the smallest to the largest. ①③ are not confirmed and become ②④, respectively after confirmation; only ③→④ is allowed and ②→④ is not, neither is ①→④.

B2B exchange invoice lifecycle



(III) Invoice lifecycle for Certificate invoices

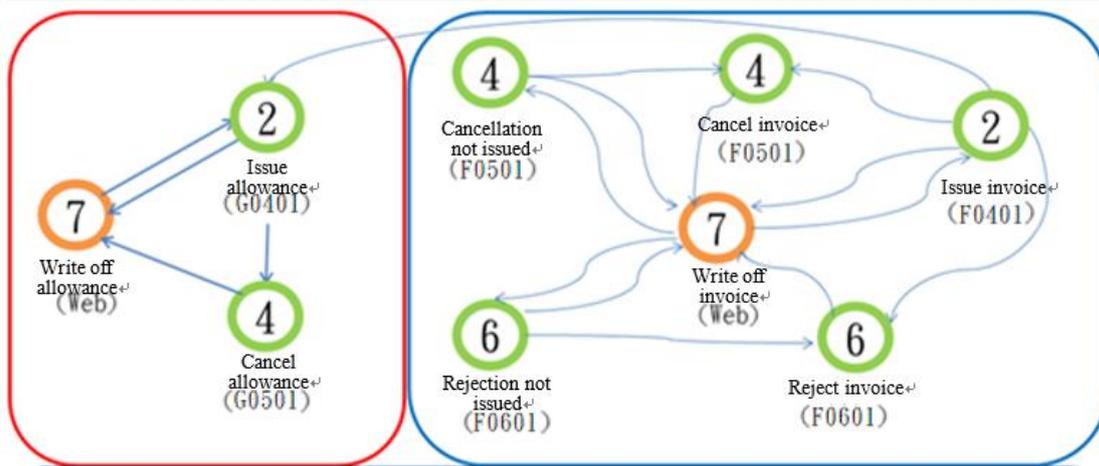
The invoice lifecycle for B2B certificate invoices is described as follows:

- States ②④⑥ have to be aligned from the smallest to the largest. ② is an invoice issued by the vendor; ④ is cancelled by the vendor and ⑥ is cancelled by the buyer (returned invoice). Only the cancellation by vendor or buyer is required. States ②④⑥ can change to ⑦ directly. Once changed into ⑦, states ②④⑥ can change from the smallest to the largest.
- Allowance states ②④ have to change from the smaller to the larger. ② is allowance made by the vendor, and ④ is the cancelled allowance

by vendor. States ②④ can change directly into ⑦. Once changed into ⑦, states ②④ can change from the smaller to the larger.

- ⑦ cancelled allowance (web) or written-off invoice (web) is provided only for system anomalies. This is an exception and used only when necessary.
- “Exchange” is required before B2B certificate invoices. There are systematic and unsystematic exchanges.

Certificate invoice lifecycle



IV. Turnkey connection test

(I) Description of connection test

1. Turnkey installer and associated documents

The Turnkey installer and associated documents are located at the E-Invoice Platform of Ministry of Finance (<https://www.einvoice.nat.gov.tw>). Log in the grand platform. Select business entity in Navigation. Click on **【Turnkey】** in the Quick Access to start downloading.

2. Connection test IPs and host name

The connection IPs and host names for the center end of the E-Invoice Platform (referred to as “the center end” hereafter) are listed below. To use the Turkey for connection, select the execution environment in the Turnkey system environment settings based on the purpose (connection test or official uploading) in order to prevent test data or official data uploaded to the wrong platform.

E-Invoice Platform		Official environment	Test environment
SFTP	Host Name	sftp.einvoice.nat.gov.tw	tsftp.einvoice.nat.gov.tw
	IP	117.56.24.204	117.56.24.214
	Port	2222	2222
Web API	Host Name	gw.einvoice.nat.gov.tw	tgw.einvoice.nat.gov.tw
	IP	117.56.24.201	117.56.24.211
	Port	443(https)	443(https)
Turnkey Download	Host Name	www.einvoice.nat.gov.tw	
	Port	443(https)	

3. Connection test certificate and account name and password for transmission

- (1) To connect to the platform, the client end IP is required to open the firewall at the center end. In addition, the certificate of business entity or the Center as well as the account name and password for access to the center end are required before uploading invoices through the Turnkey.

Detailed descriptions and notes are provided below:

- (A) Connection test certificate: either the software or card certificate of the business entity will do. This certificate is used for signature for packet transmission rather than signature for individual invoices.
- (B) Account name and password for connection test: this account name and corresponding password are used for accessing the E-Invoice Platform. The default account name is the company's tax ID number. For multiple account names, they are distinguished by serial number. The password is generated randomly. The business entity may consult with the customer service of the platform through the customer service lines.

Business entities that are new to the Turnkey transmission are required to fill out the "E-Invoice service application" and submit the application with the required documents according to the instructions on the application form before the account name and password are granted for the test and official environments.

(II) Preparation for connection test

1. Installation of Turnkey and environment settings

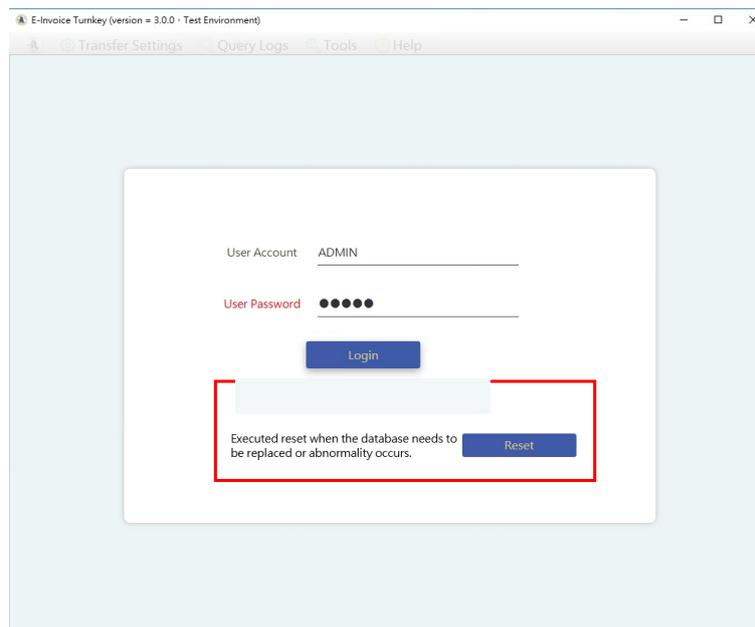
Please refer to "II. Installation and Settings" in this manual.

(III) Turnkey execution

When the Turnkey is started, it automatically checks for any updates and connection to database, and get the latest announcement message notification from the platform.

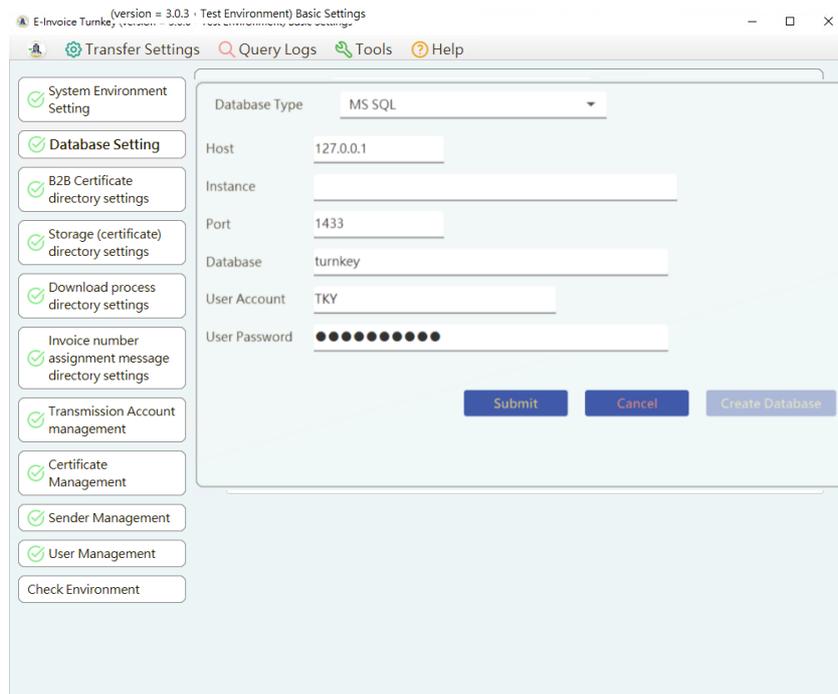
1. Database check

Upon starting, the Turnkey connects to the Turnkey database at the local end. An error message will be generated if connection fails. For example, for MS SQL database connection failure, the error message may look like this:



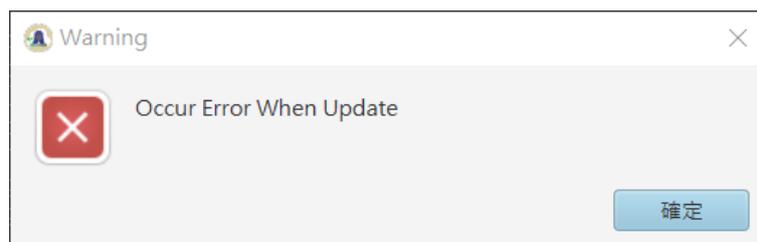
At this time, the user can first determine whether the database is started normally, and then enter the database connection software with the database account password used when installing Turnkey to ensure that the data table outline has been created. If the local database is

normal, you can run Turnkey again, enter through [Reset], reset the database connection information (MS-SQL's database entity is a non-required field, and the operator can choose to use [host + instance] or [host + port] for connection settings), and Turnkey will automatically check whether the database connection is normal after the update.



2. Automatic update check

The automatic update check mechanism will connect to the center end automatically with the transmission account name and password, and check that the Turnkey version is current. For connection failure, a message will be generated, but the Turnkey can still be started.



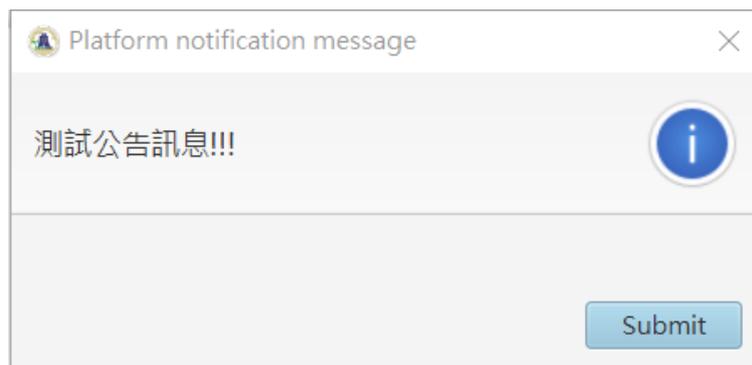
3. Turnkey UI login account name and password

A default Turnkey account name and corresponding password will be provided when installing the Turnkey data table schema. The account name/password is ADMIN/ADMIN. After logging in the Turnkey, the account names and passwords for administrators and users can be developed through Transfer settings > Basic settings > User management.

This account name is used to log in the Turnkey homepage and for Turnkey function authorization control. Please note that this is different from the transmission account name in the Turnkey in terms of both meaning and function. Do not confuse one with the other.

4. The latest announcement information of the platform

After the Turnkey program is launched, it will automatically get the latest announcement information to the platform, and if the user has enabled the setting of sending email notifications when system event records occur, the system will also actively send mail to notify.

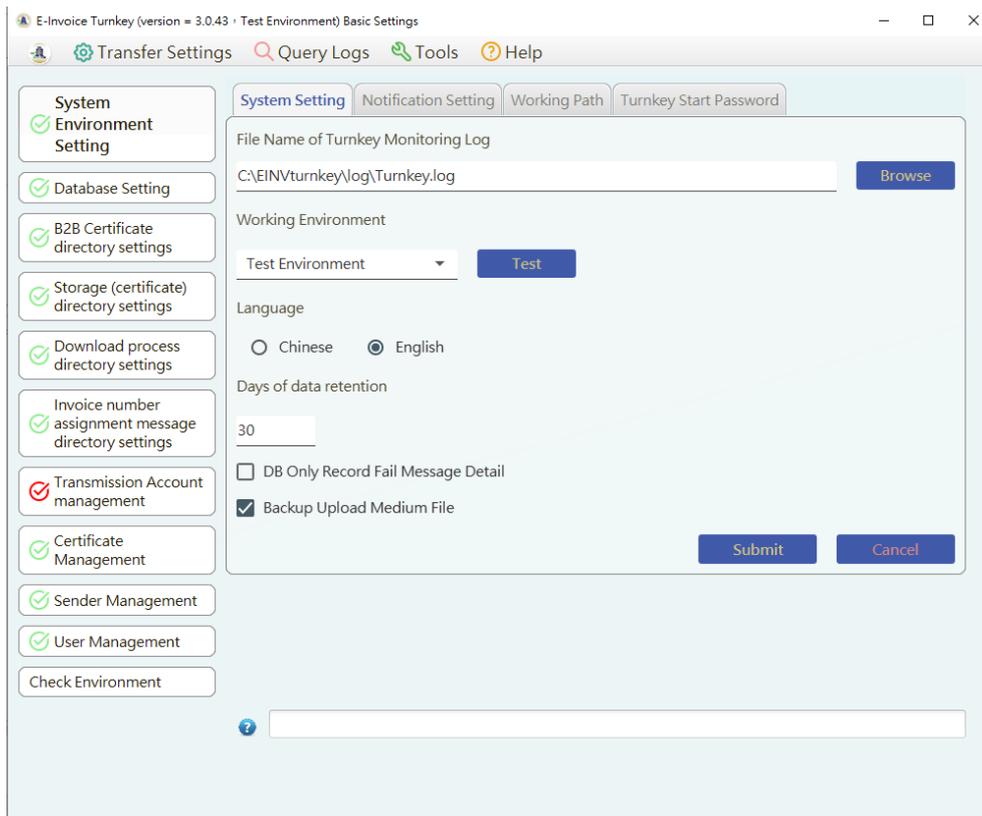


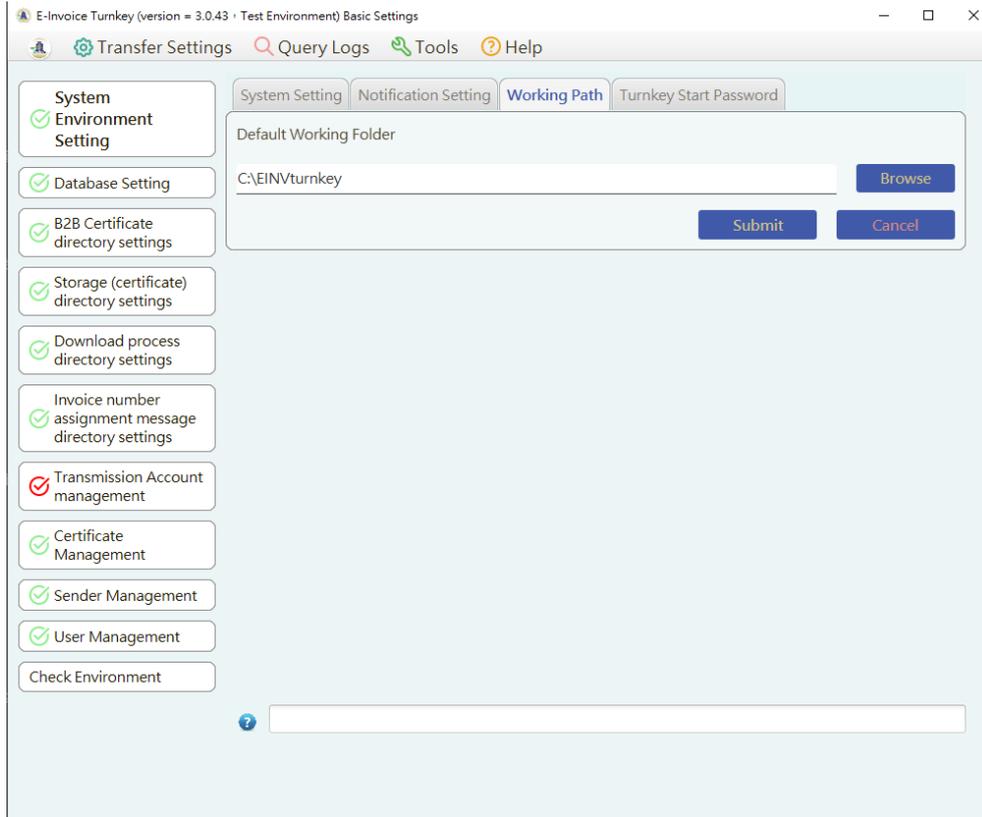
(IV) Turnkey settings

As entering the Turnkey homepage, the first thing is to define the connection parameters and file locations, as described below.

1. Basic Settings> System environment settings

When entering the Turnkey homepage for the first time, the first thing to do is to set up the system execution environment and define that the Turnkey is connected to test or official environment. Set the working directory, define the working path related to this Turnkey, the default is the installation path at the beginning, the setting screen is as follows





2. Basic Settings > Transmission account name management

The transmission account name and password are provided to allow the Turnkey connection center end to authenticate the user. Once a user is given an account name and corresponding password for Turnkey transmission according to IV.1 Connection test description, the given account name and password have to be defined using this function before the services provided at the center end become available.

Refer to “V.14 Transmission account name management” in this Manual for function descriptions and screens in detail.

3. Basic Settings > Certificate management

Before using Turnkey for data transmission, Turnkey will add a signature to the data using the certificate of the business entity or the value-added third party. Therefore, the information of certificate and its password have to be defined in the Turnkey first.

The Turnkey accepts software or card certificate. The certificate has to be registered in the E-Invoice Platform before it can be used. For a card certificate, only one piece of certificate data can be defined, and the card has to remain in the card reader while the certificate is being registered and scheduling data is being uploaded; or, there will be errors when adding signatures.

Refer to “V.9 Certificate management” in this Manual for function descriptions and screens in detail.

4. Tools > Search for routing codes

For every business entity and value-adding center working with E-Invoice certificate or exchange, there is one or multiple corresponding codes in the E-Invoice Platform, and this code is called the route code. The relationship between the tax ID number of the one uploading data through Turnkey and this routing code (sender management) allows the platform to identify which business entity or value-adding center is the source of transmission when receiving a data. The relationship between the tax ID number of the receiver and this routing code (receiver management) allows the platform to know the system of which business entity or value-adding center to forward the data received when receiving data from B2B exchange.

Refer to “V.23 Query receiver routing code” of this Manual for function descriptions and screens in detail.

5. Basic Settings > Sender management

When transmitting the data from a business entity (tax ID number), this function identifies which transmission account name to use for uploading, which certificate for the signature of this data, and which value-adding center or business entity is the receiver.

Refer to “V.16 Sender management” of this Manual for function descriptions and screens in detail.

6. Transfer Settings > Receiver Settings

For B2B data exchange, this function identifies through which value-adding center or business entity the data receiver receives the data.

Refer to “V.19 Receiver management” of this Manual for function descriptions and screens in detail.

7. Basic Settings > Directory settings

(1) The directory settings consist of:

A. Exchange directory settings

L. Certificate directory settings

■ B2B certificate directory settings

■ B2C certificate directory settings

M. Download process directory settings

N. Invoice matching number information (B2P) directory settings

The file sending/receiving allows for the settings of the directories where data to be uploaded to the center end and those downloaded from the center end are saved and processed, as well as the data formats used for data transmission and receiving.

Refer to “V.9 Certificate directory settings”, “V.8 B2B exchange directory settings” , “V.10 B2B certificate directory settings” , “V.11 B2C certificate directory settings” , “V.12 Download Process Directory Settings” and “V.13 Invoice number assignment message (B2P) directory settings”, and relevant directory settings of this Manual for

function descriptions and screens in detail.

(V) E-Invoice file transmission

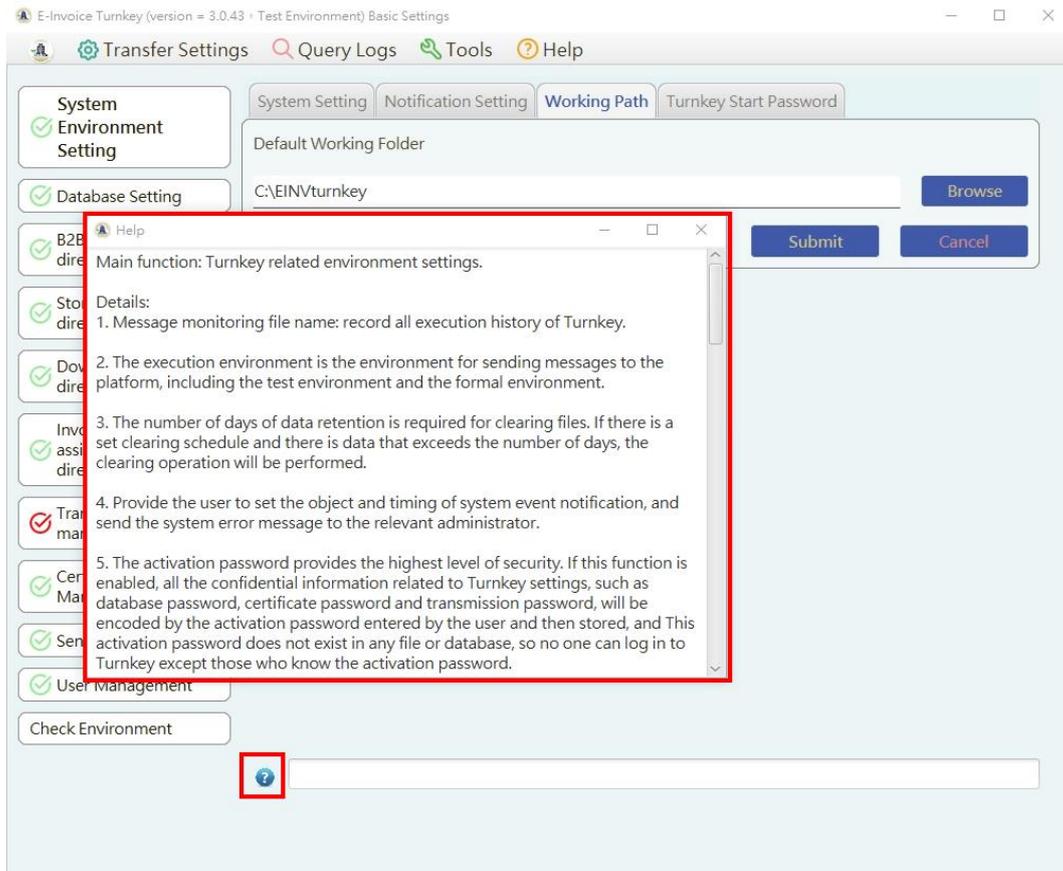
The MIG data in a compliant format is saved in the directories of B2B exchange, and B2S certificate once the Turnkey is set up, and it is possible to test that the invoice data are successfully transmitted by using **【Upload now】** and **【Download now】** in Transfer Settings > Scheduling settings. It is also possible to view the results of data transmission and receiving by going to Transaction log search > View message logs.

Refer to “V.2 Scheduling settings” and “V.20 View message logs” for function descriptions and screens in detail.

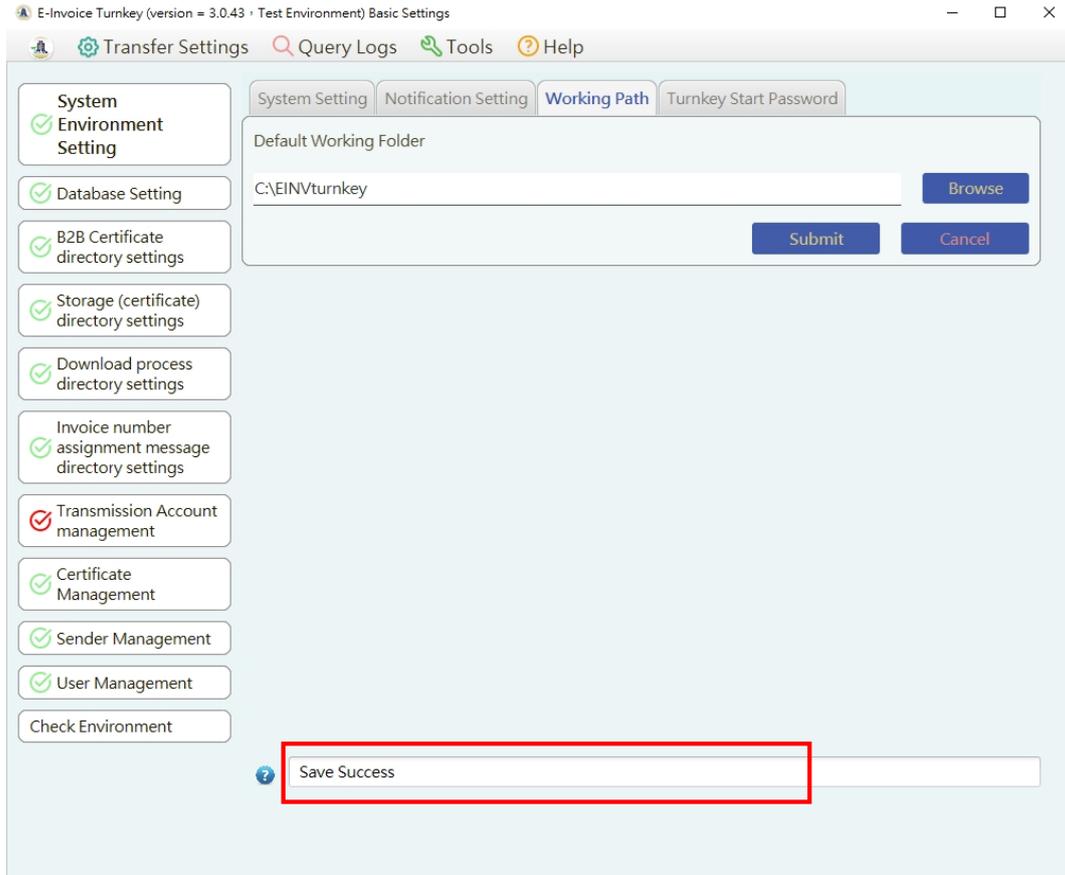
V. Screen Operations

(I) Common function

- (1) Instruction button: There will be a blue question mark button at the bottom of each operation screen, click and open the instruction window to display the instructions for the function.



- (2) Execution status bar: After the function button of each operation screen is pressed, the execution status or operation prompt message of the system will be displayed in the status bar, providing users with a clearer understanding of the current execution status.



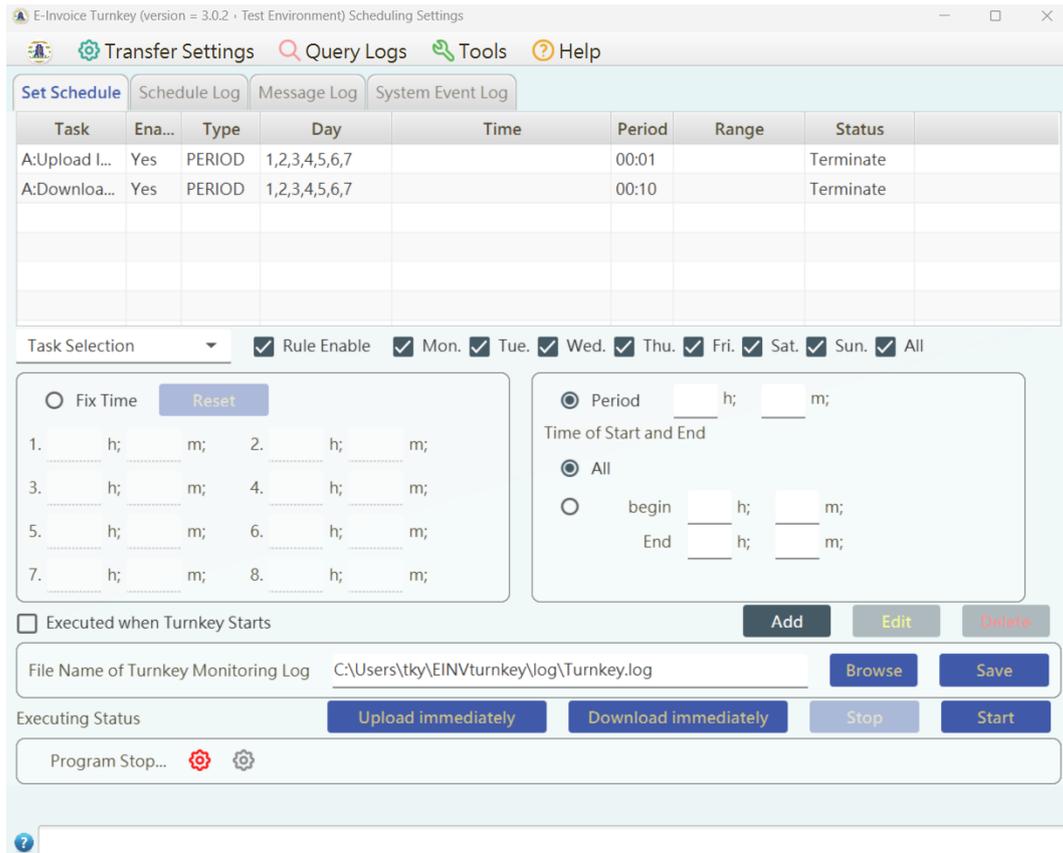
(II) Scheduling settings

1. Function descriptions

Path: Transfer settings > Scheduling settings

- (1) The “scheduling settings” allow users to define the time or interval of transmitting and receiving invoice data. Basic information such as “certificate management”, “account management” and “sender management”, “certificate and exchange directories”, and “download process directories”, have to be defined before this function is available. See the following sections for how to define the information.
- (2) The schedule setting screen includes four tabs: **【Set Schedule】**, **【Schedule Record】**, **【Message Record】**, and **【Event History】**.

- (3) **【Message Record】** For detailed function description and screen, please refer to this manual “V.20 View message logs”.
- (4) **【Event Record】** For detailed function description and screen, please refer to this manual “V.21 View event logs”.
- (5) This section explains only the page used for this function.



2. Operation:

- (1) Open the setting page: **【Transfer settings】**→**【Scheduling settings】**.
- (2) Add operation mode:

Users can choose to set **【To perform tasks】** and check **【Activity Rules】** in the schedule setting block, the task part, currently divided into individual tasks, integration tasks and other tasks, after selection, set the running time of the task according to the user's needs (scheduling week, schedule time, schedule interval or schedule

range), press **【Add】** , you can add a new task.

(3) Edit operation mode:

Users can select a data in the scheduling task list on the setting schedule page and press **【Edit】** to edit the schedule.

(4) Delete operation mode:

When the user selects a data in the scheduled task list on the setting schedule page, and presses **【Delete】** , the system will ask the user to "confirm the deletion", and if you press **【Submit】** , the schedule will be deleted from the database.

(5) Select a task to perform:

- A. **【U: Upload conversion】** : by appointing the source message version and message format (XML), the Turnkey will help convert the message to the version and format that make the message appropriate to upload to the E-Invoice Platform.
- B. **【U: Upload pack】** : The result of **【U: Upload conversion】** is turned into an invoice packet and signature is provided for the message.
- C. **【U: Transmit file】** : The result of **【U: Upload pack】** is transmitted to the E-Invoice Platform.
- D. **【D: Receive file】** : A message is received from the E-Invoice Platform.
- E. **【D: Download unpack】** : The message received using **【D: receive file】** is processed.
- F. **【D: Download conversion】** : The result of **【D: Download unpack】** is converted into the target message version and format appointed as to allow the user for subsequent processing.

(6) Overall task:

- A. **【A: Invoice upload】** : to make the tasks of **【U: Upload conversion】** , **【U:Upload pack】** and **【U: Transmit file】** into a bundle.
- B. **【A: Invoice download】** : to make the tasks of **【D: Receive file】** **【D: Download unpack】** and **【D: Download conversion】** into a bundle.

(7) Other tasks:

- A. **【O: File clearing】** : when this task is activated, the upload and download histories and messages will be cleared up to the day set as the “days of retention” in the “System environment settings.”
- B. Once a task is selected, it has to be scheduled. Either **【Time】** or **【Interval】** can be selected. If Time is selected, there are 10 activation times available currently.
- C. If **【Interval】** is selected, it means how often to perform the task once. It is possible to perform the task at a specific time period, or select **【All】** to perform continuously. If the activation time is later than the deactivation time, it means overnight.
- D. Either **【Interval】** or **【Time】** can work with **【Day of Week】** . The task will not be performed if **【Interval】** is selected, it is overnight and the day of week is not defined.
- E. The list of defined tasks and the implementation of overall program are shown as the bottom of the page.
- F. Message monitoring file name configuration:
- G. Provide the name and location of the file where the execution record

is stored by the user in **【Schedule Settings】** ..

- A. **【Save】** is used to save the settings of **【Automatic execution when system is started】** and **【Message monitoring filename】** .

(8) Description of the transmission function button:

- A. **【Activate】** is used to activate the Turnkey schedule to process messages. This page has to stay open while the tasks are being performed.
- B. **【Stop】** is used to stop the Turnkey schedule.
- C. **【Upload immediately】** uploads invoices and data immediately for only once.
- D. **【Download immediately】** downloads invoices and data immediately for only once.

(9) Execution Status Description:

The LOG provides the status of system schedules and operations in real time and what tasks are being performed.

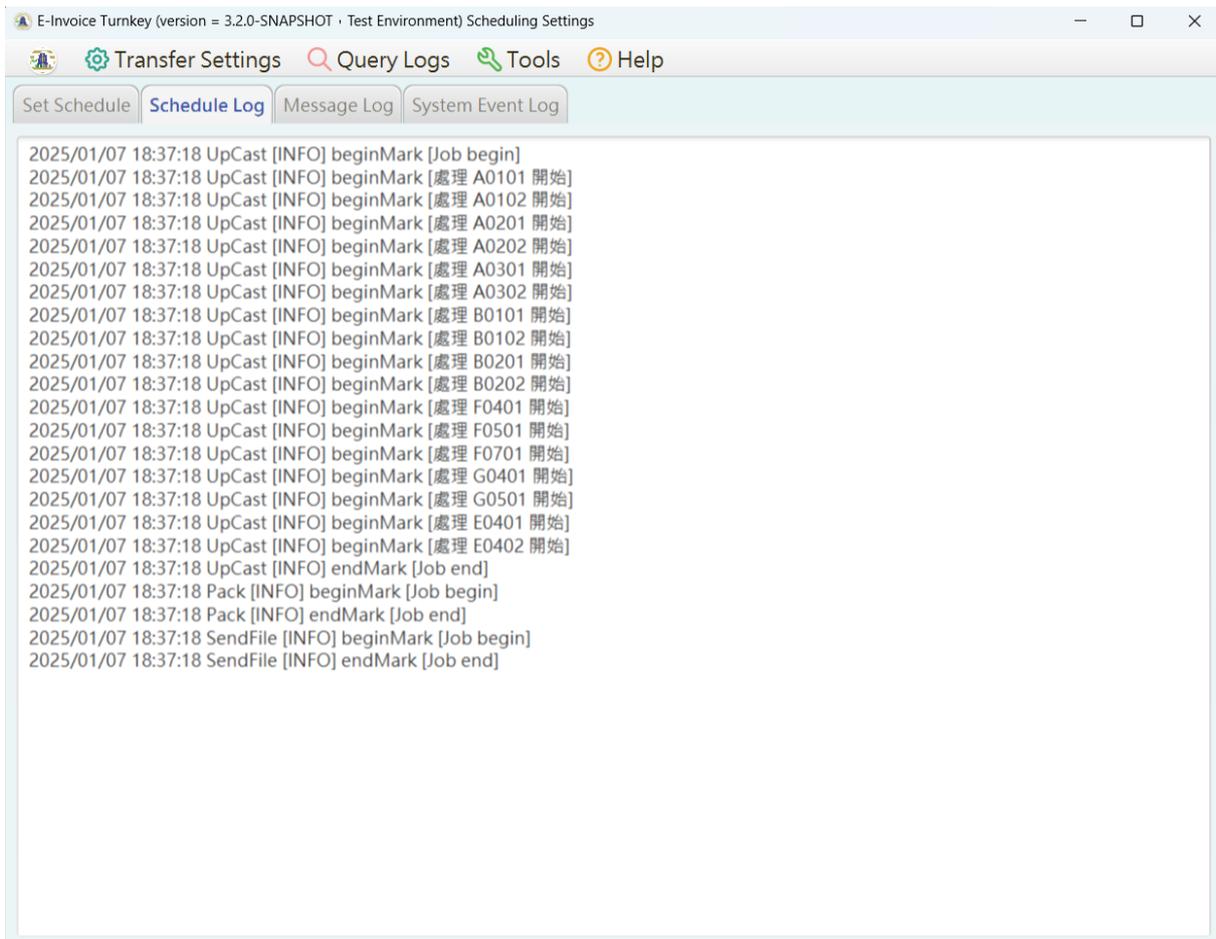
- 3. Note: When the scheduling settings are activated, the card reader and the card have to be ready to start the program if the certificate settings contain the registration card certificate.

(III) Schedule Logs

1. Function descriptions

- (1) Path: Transfer Settings > Scheduling settings

This section is only for the **【Schedule Logs】** function screen to explain.



2. Operation:

- (1) After starting the schedule, the system automatically presents the relevant journey records on this screen. Provide real-time display of system scheduling and operation status and execution of work content..
- (2) In addition to being displayed on the screen, it is also written to the message monitoring log file, and the settings of the message monitoring log file are set in **【Transfer Settings】>【basic settings】>【system environment settings】>【system settings】**.

(IV) System Environment Settings - System Settings

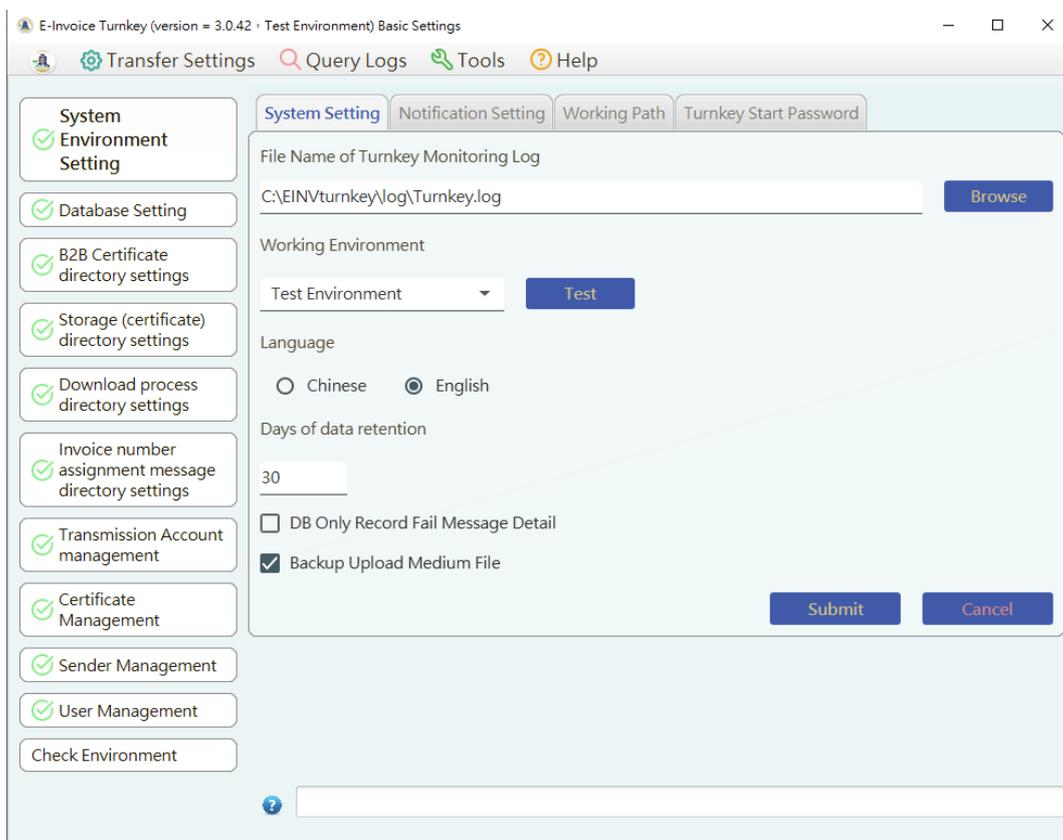
1. Function descriptions

(1) Path: Transfer Settings > Basic Settings > System Environment Settings.

A. System environment settings allow users to configure the Turnkey system. It contains four tabs: [System Settings], [Notification Settings], [Working Directory] and [Startup Password].

B. Please refer to the following sections for the setting method. This section only explains the [System Settings] function screen.

C. The [System Settings] function allows users to set [Message Monitoring File Name], [Execution Environment], [Language Settings], [Data Retention Days], etc.



(2) Operation:

A. **【 Message Monitoring File Name 】** provides the name and location of the file where the execution record set by the user in the **【 Schedule Settings 】** is stored..

- B. **【Execution Environment】** provide an environment for users to choose their preferred e-invoicing platform. There are two options: test environment and production environment. The execution environment set by the user will appear on the title bar of the operation window, and you should pay attention to whether this environment is set correctly before using it to avoid mistransmitting invoices to the official or test environment.



- C. **【Language Settings】** Provide selectable Chinese version or English version.
- D. **【Data retention days】** Provide the setting to delete data older than a few days when the clearing task in the schedule settings is executed.
- E. **【Log only record job failure details】** Enable this option, the system will not record each step of invoice upload and download and its related information, only record error events, default is not enabled.
- F. **【Enable upload backup】** Backup processing is performed when

the invoice is uploaded, which is enabled by default.

G. When the user presses **【Submit】** , the data will be saved to the parameter file (not the database).

H. Press **【Cancel】** to restore the preset value.

(V) System Environment Settings - Notification Settings

1. Function descriptions

(1) Path: Transfer Settings > Basic Settings > System Environment Settings.

The **【Notification Settings】** function can provide users to set the object and time of system event notification, and send system error messages or platform announcements to relevant administrators.

The screenshot shows the 'E-Invoice Turnkey (version = 3.0.42 · Test Environment) Basic Settings' window. The 'Notification Setting' tab is active. On the left, a sidebar lists various settings, with 'System Environment Setting' selected. The main area contains the following fields and controls:

- System Setting** (selected tab)
- File Name of Turnkey Monitoring Log**: Text input field containing 'C:\EINVturnkey\log\Turnkey.log' and a 'Browse' button.
- Working Environment**: A dropdown menu set to 'Test Environment' and a 'Test' button.
- Language**: Radio buttons for 'Chinese' and 'English' (selected).
- Days of data retention**: Text input field containing '30'.
- DB Only Record Fail Message Detail**: Unchecked checkbox.
- Backup Upload Medium File**: Checked checkbox.
- Submit** and **Cancel** buttons.

At the bottom, there is a search bar with a question mark icon.

2. Operation:

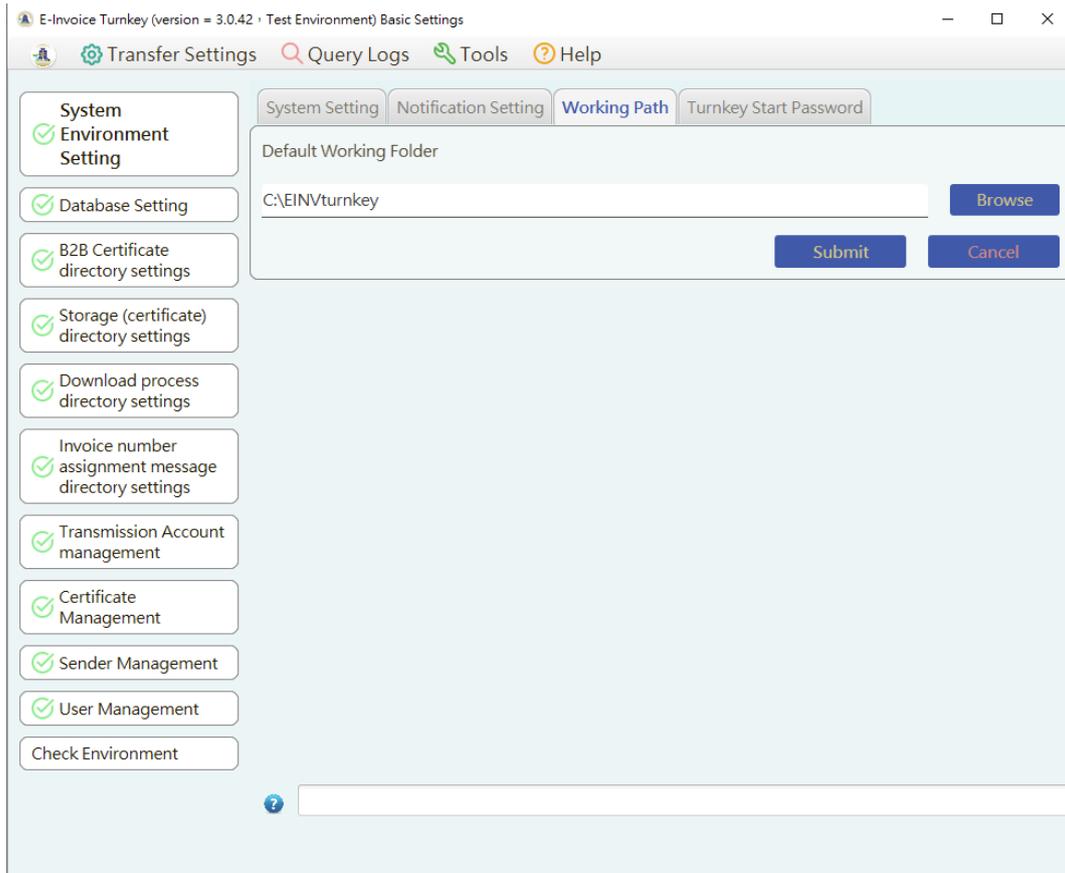
- (1) **【 Turnkey Code 】** Users can name the Turnkey application codename, if there are multiple Turnkeys installed, they can set different names for the monitoring program to identify Turnkey.
- (2) **【Send email notification when system event records occur】** You can set the email address to be sent when the event record occurs (multiple groups of recipient email addresses can be separated by semicolons, and the second group of future emails will be sent as copies), sender and mail server used.
- (3) **【 Use account password 】** If the email server has an account password, check it, if not, it is not required.
- (4) **【Notification Cycle】** Set how often to check if an event occurs and need to send an email.
- (5) **【Use default text】** In addition to the notification of the event, the content of the configurable email should also include those texts, such as the extension that can be written to the system administrator, so that the person who receives the letter can contact the problem handling personnel.
- (6) **【Notification Record History】** When there is a startup notification, the relevant process will be recorded in this log file.
- (7) Press **【Submit】** to save the settings.
- (8) Press **【Cancel】** to restore the preset value.

(VI) System Environment Settings - Working Directory

1. Function descriptions

(1) Path: Transfer Settings > Basic Settings > System Environment Settings.

【Working Directory】function provides the main directory path of the working environment that the user must use to set the Turnkey executor.



2. Operation:

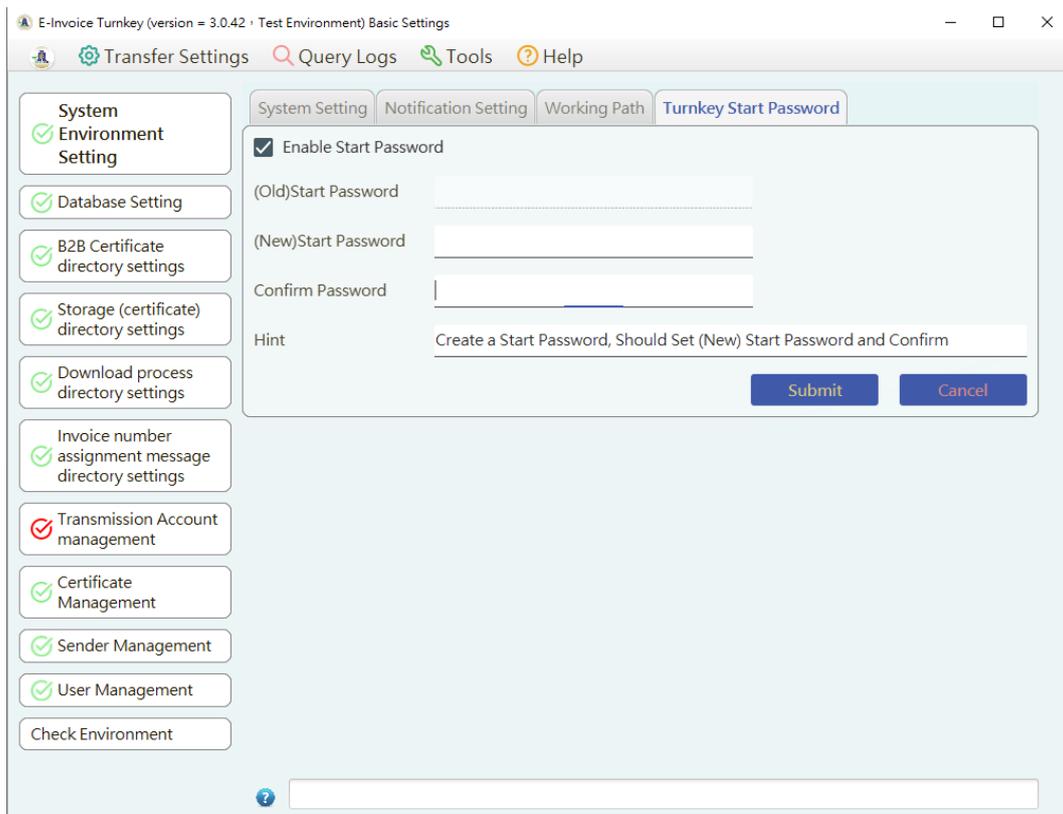
During system installation, the default installation path will be given as the default directory, users can adjust the preset working directory according to their needs, and after pressing 【OK】 , the data will be stored in the parameter file.

(VII) System Environment Settings - Enable Password

1. Function descriptions

- (1) Path: Transfer Settings > Basic Settings > System Environment Settings.

The **【Enable Password】** function provides a user to set the login to the Turnkey system no longer use the account secret set by **【User Management】** , but instead use the enabled password. The startup password provides the highest level of security, if this function is enabled, all Turnkey settings related confidential information, such as database passwords, credential passwords and transmission passwords, will be coded by the user's own input startup password and then stored, and this startup password will not exist in any file or database.



2. Operation:

- (1) Select **【Use Startup Password】** , and enter **【(Original) Startup Password】**, **【(New)Start Password】**, **【Confirm Startup Password】**, **【Prompt】** , press **【OK】** , the data will be stored to the parameter file.
- (2) The next time Turnkey is started, you must enter the **【Startup Password】** and press **【Login】** to enter the Turnkey system.
- (3) If you forget the startup password, you can use **【Reset Startup Password】** when starting Turnkey, press **【Yes】**, and enter the reset startup password screen.
- (4) Enter **【Reset Startup Password】** , **【Confirm Startup Password】** , **【Require Database Password】** , and press **【OK】** , the data will be stored in the parameter file.
- (5) Once you are on the Turnkey screen, remember to reset the credential password and transmit the password.
- (6) If you do not use the startup password, please enter **【Original】** Start Password, and remove the check **【Use Startup Password】** , press **【OK】** , the data will be stored to the parameter file.
- (7) Press **【Cancel】** to restore the preset value.

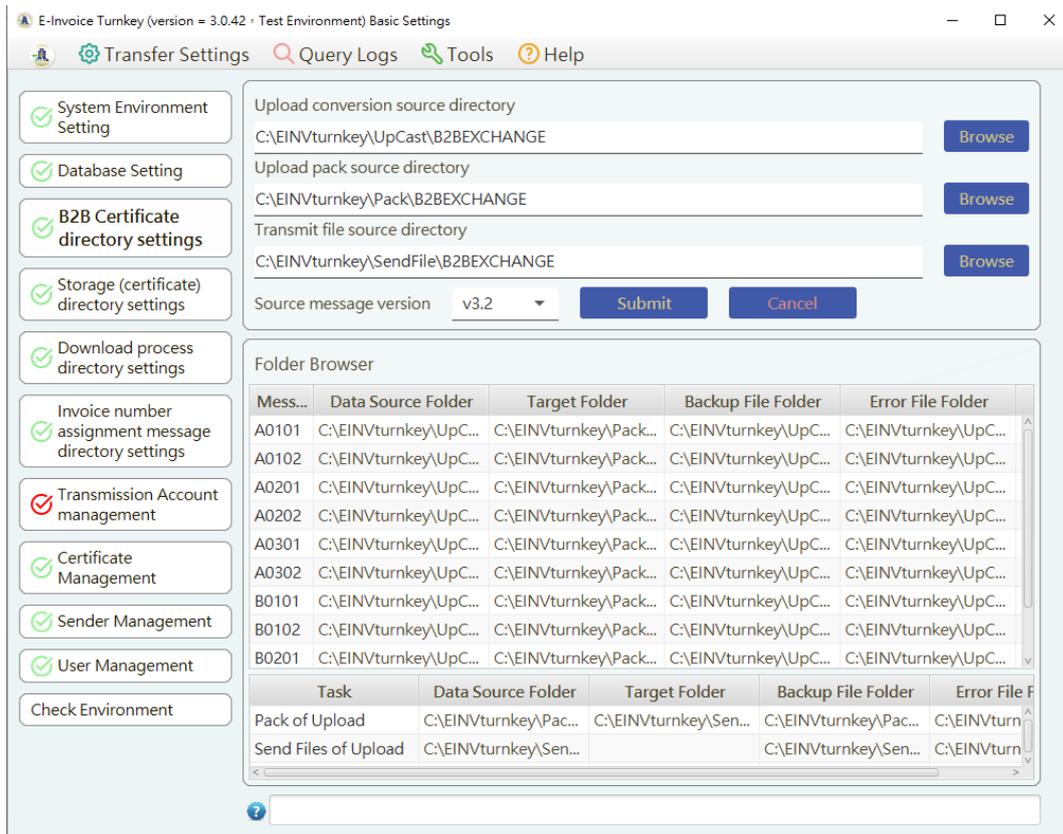
(VIII)B2B exchange directory descriptions

1. Function descriptions

- (1) Path: Transfer Settings > Basic Settings > B2B exchange directory settings

This provides the information required for scheduling for **【B2B exchange directory settings】** , and contains directories for **【Upload**

conversion】 , 【Upload pack】 and 【Transmit file】 .

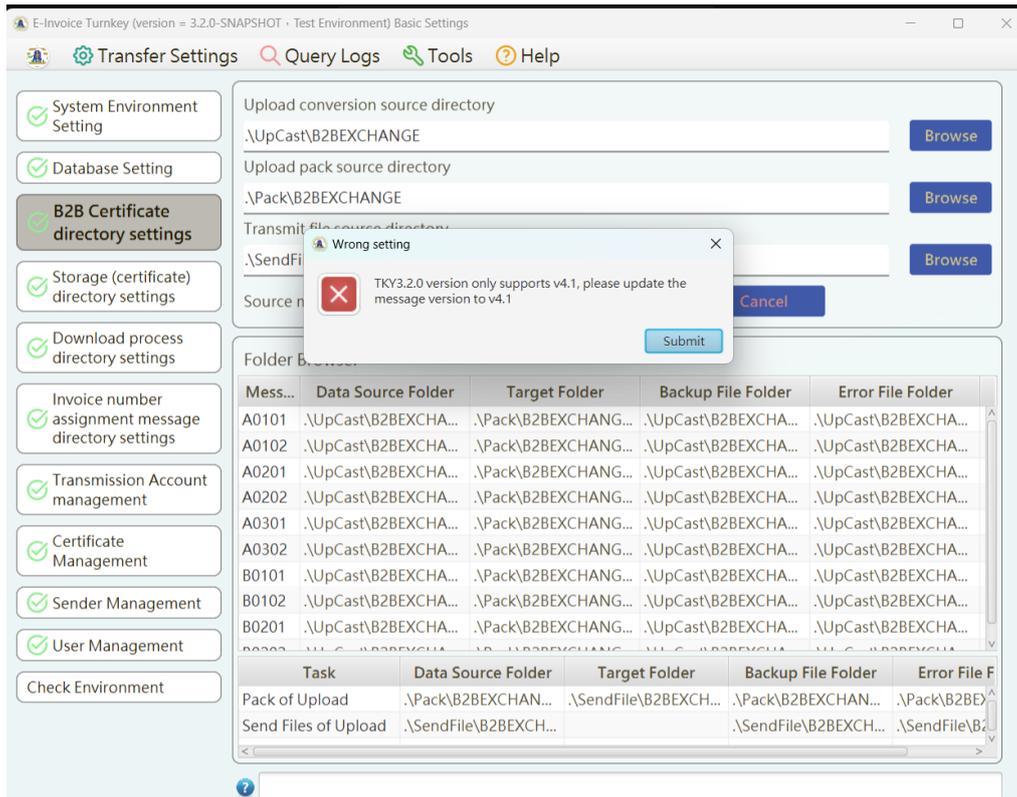


2. Operations

- (1) Open the setting page: 【Transfer Settings】 → 【B2B exchange directory settings】 .
- (2) If no data is available in DB, the default data is provided on screen, as shown in the figure.
- (3) Upload conversion source directory: this is required and user may enter the directory or select one by clicking on 【Browse】 .
- (4) Upload pack source directory: this is required and user may enter the directory or select one by clicking on 【Browse】 .
- (5) Transmit file source directory: this is required and user may enter the

directory or select one by clicking on **【Browse】** .

- (6) Source message version: Set the message version of the B2B exchange directory. Turnkey before version 3.1.3 only supports all XML formats below MIG V4.0, and version 3.2.0 only supports XML formats above MIG V4.1.
- (7) The format of the files placed in the source directory for uploading shall comply with the settings in “Source message version / format / coding”, or there will be a parsing error.
- (8) Directory list 1: shows the directory list for **【Upload conversion】** . Depending on the version, it shows the message type, source directories and destination directories for **【B2B exchange directory settings】** . The messages shall be placed at the designated location for the tasks.
- (9) Directory list 2: shows the directory list for **【Upload pack】** and **【Transmit file】** .
- (10) **【OK】** : the system saves the data in the database.
- (11) **【Cancel】** : resets to default values.
- (12) After updating to Turnkey version 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following error will appear.

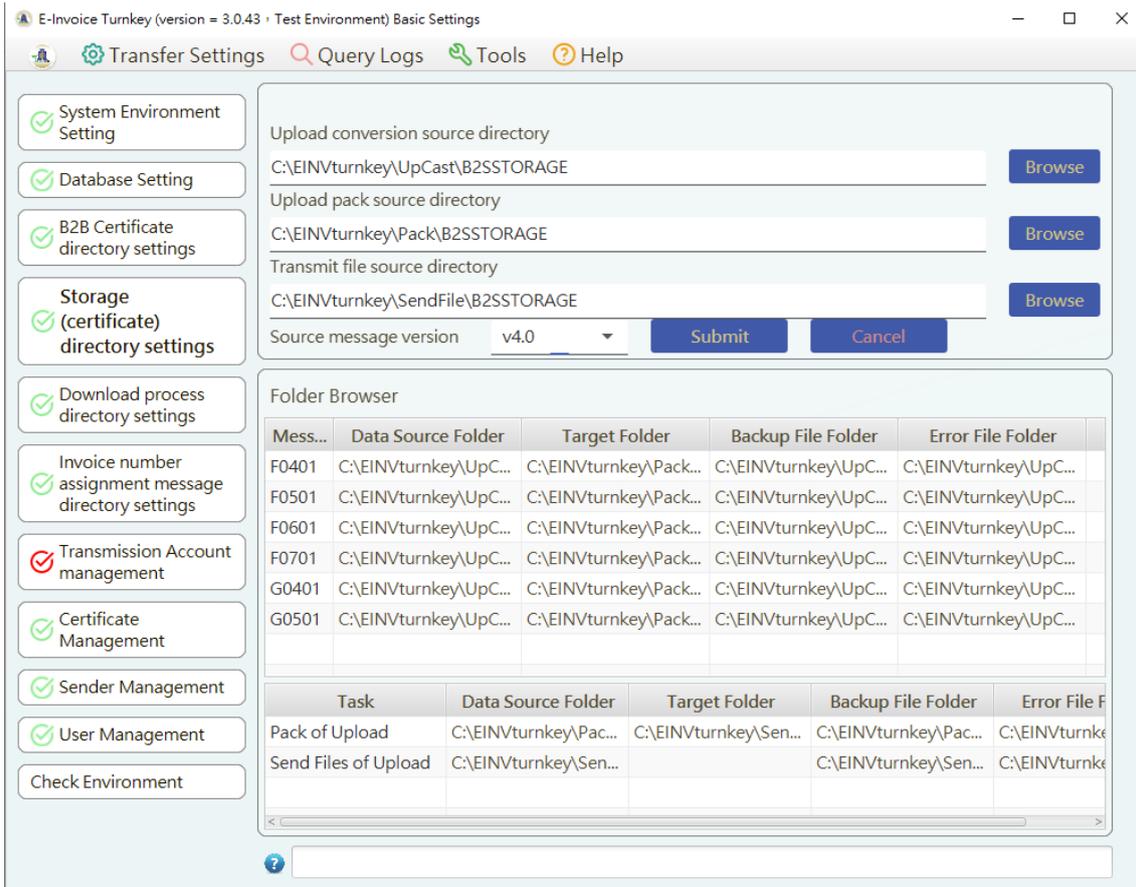


(IX) B2S Certificate directory settings

1. Function descriptions

- (1) Path: Transfer Settings > Basic Settings > Certificate directory settings

MIGv4.0、MIGv4.1 has consolidated the B2S certificate message specifications, if it is an old version of MIG, please refer to this manual "V, 10, Deposit Directory (B2B) Settings" and "V,11, Deposit Directory (B2C) Settings" Set B2B Deposit and B2C Deposits". This function provides the information required for scheduling for **【B2S Certificate directory settings】** and contains directories for **【Upload conversion】**,**【Upload pack】**and **【Transmit file】**. Refer to “VI.2 Turnkey working directory descriptions” of this Manual for what each of the directories is for.



2. Operations

- (1) Open the setting page: **【Transfer Settings】** → **【Basic Settings】**
→ **【B2B Exchange Directory Settings】** ..
- (2) If no data is available in DB, the default data is provided on screen, as shown in the figure.
- (3) Upload conversion source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (4) Upload pack source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (5) Transmit file source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .

- (6) Source message version: Set the message version and format of the uploaded certificate data. Turnkey version 3.2.0 only supports XML format after MIG V4.1.
- (7) The format of the files placed in the source directory for uploading shall comply with the settings in “Source message version/format/coding”, or there will be a parsing error.
- (8) Directory list 1: shows the directory list for **【 Upload conversion】**. Depending on the version, it shows the message type, source directories and destination directories for **【B2B certificate directory settings】**. The messages shall be placed at the designated location for the tasks.
- (9) Directory list 2: shows the directory list for **【Upload pack】** and **【Transmit file】**.
- (10) **【OK】** : the system saves the data in the database.
- (11) **【Cancel】** : resets to default values.
- (12) Refer to “VII.2 Turnkey working directory descriptions” of this Manual for the meaning and purpose of each directory

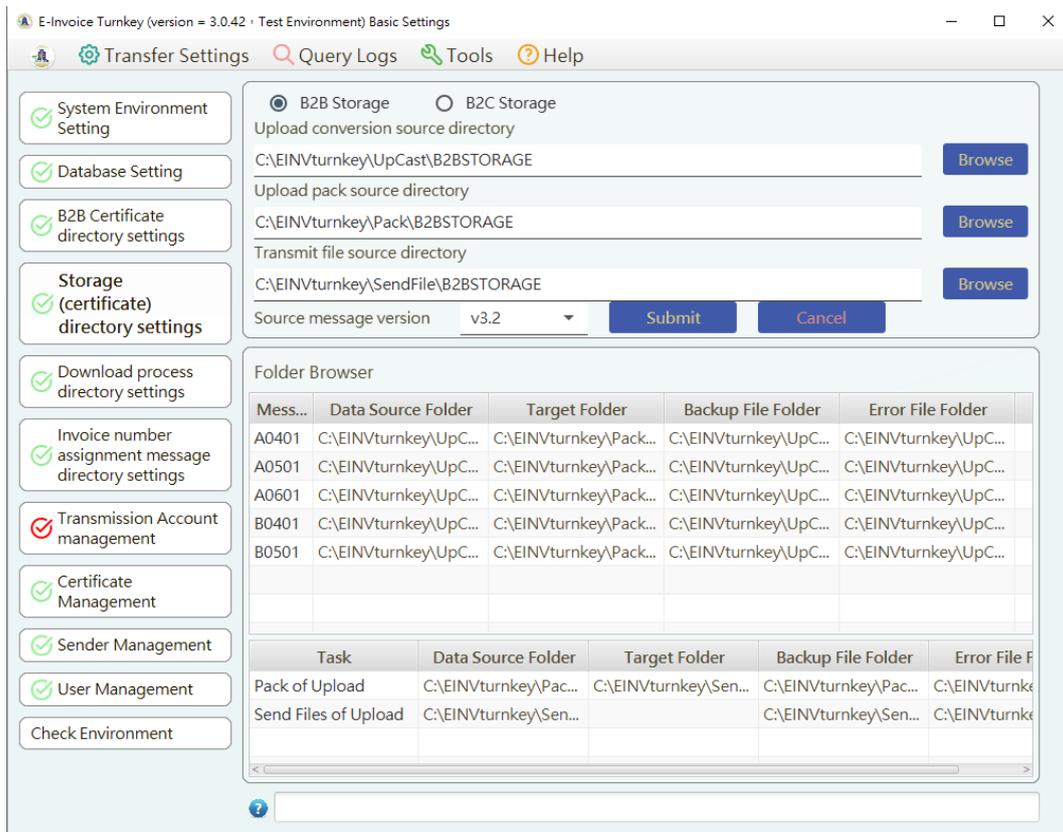
(X) B2B certificate directory settings

1. Function descriptions

- (1) Path: Transfer Settings> Basic Settings > B2B certificate directory settings

This function provides the information required for scheduling for **【B2B certificate directory settings】** and contains directories for **【Upload conversion】**, **【Upload pack】** and **【Transmit file】**. Refer to “VI.2 Turnkey working directory descriptions” of this Manual for

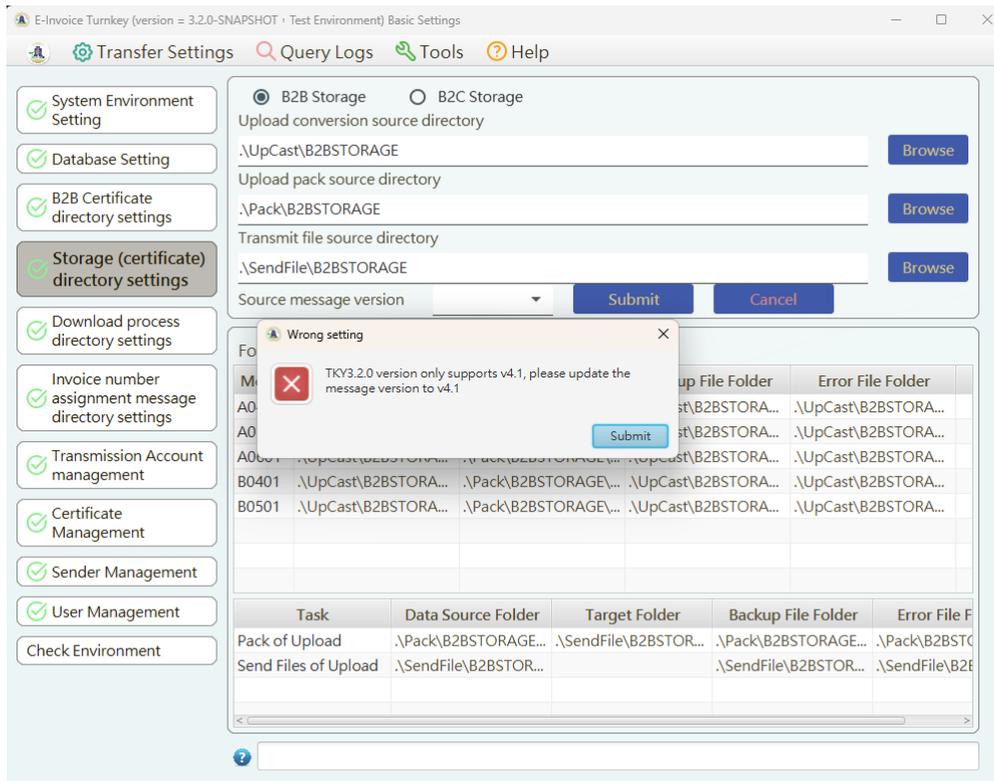
what each of the directories is for.



2. Operations

- (1) Open the setting page: **【Transfer Settings】** → **【Basic Settings】** → **【B2B Certificate Directory Settings】** .
- (2) If no data is available in DB, the default data is provided on screen, as shown in the figure.
- (3) Upload conversion source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (4) Upload pack source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (5) Transmit file source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .

- (6) Source message version: Versions after Turnkey 3.2.0 do not support setting up certificates for versions prior to v4.0.
- (7) The format of the files placed in the source directory for uploading shall comply with the settings in “Source message version/format/coding”, or there will be a parsing error.
- (8) Directory list 1: shows the directory list for **【 Upload conversion】** .Depending on the version, it shows the message type, source directories and destination directories for **【B2B certificate directory settings】** .The messages shall be placed at the designated location for the tasks.
- (9) Directory list 2: shows the directory list for **【Upload pack】** and **【Transmit file】** .
- (10) **【OK】** : the system saves the data in the database, if the B2C certificate directory setting has not been completed, a prompt window will pop up to remind the user to set it.
- (11) **【Cancel】** : resets to default values.
- (12) Refer to “VII.2 Turnkey working directory descriptions” of this Manual for the meaning and purpose of each directory
- (13) After updating to Turnkey version 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following error will appear.

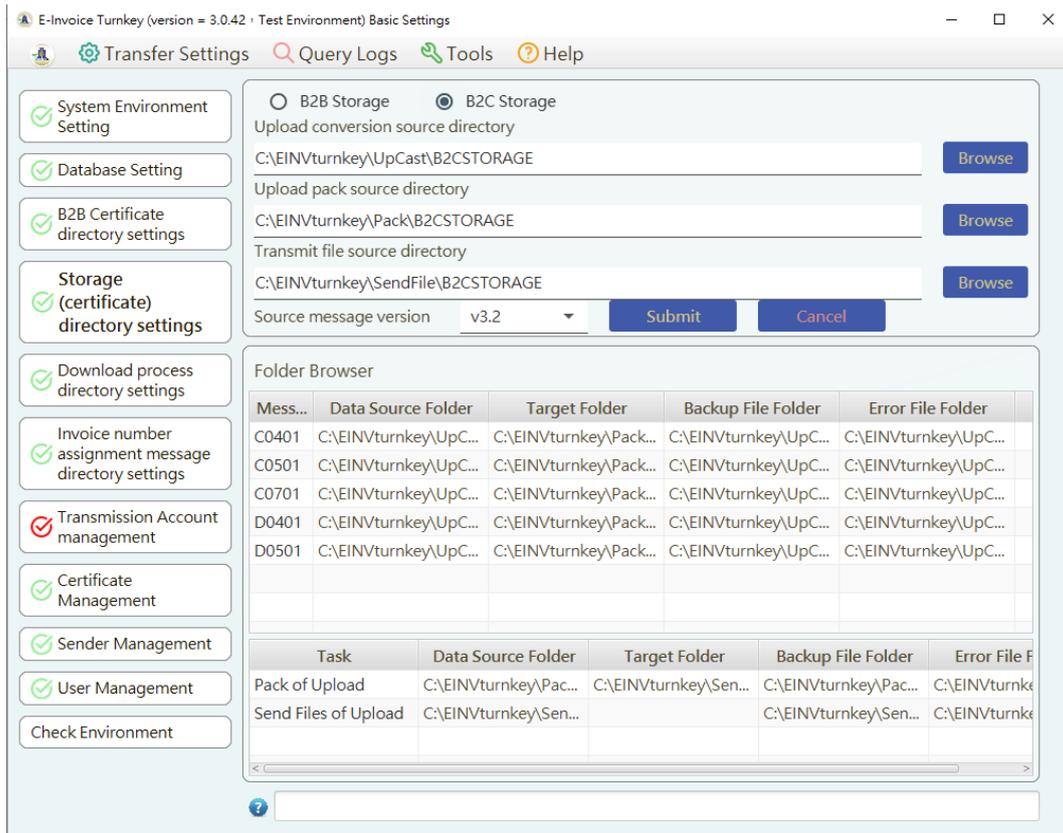


(XI) B2C certificate directory settings

1. Function descriptions

- (1) Path: Transfer Settings > Basic Settings > B2C certificate directory settings

This provides the information required for scheduling for **【B2C certificate directory settings】**, and contains directories for **【Upload conversion】**, **【Upload pack】** and **【Transmit file】**.



2. Operations

- (1) Open the setting page: **【Transfer Settings】** → **【Basic Settings】** → **【B2C Certificate Directory Settings】** .
- (2) If no data is available in DB, the default data is provided on screen, as shown in the figure.
- (3) Upload conversion source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (4) Upload pack source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (5) Transmit file source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (6) Source message version: Versions after Turnkey 3.2.0 do not support

setting up certificates for versions prior to v4.0.

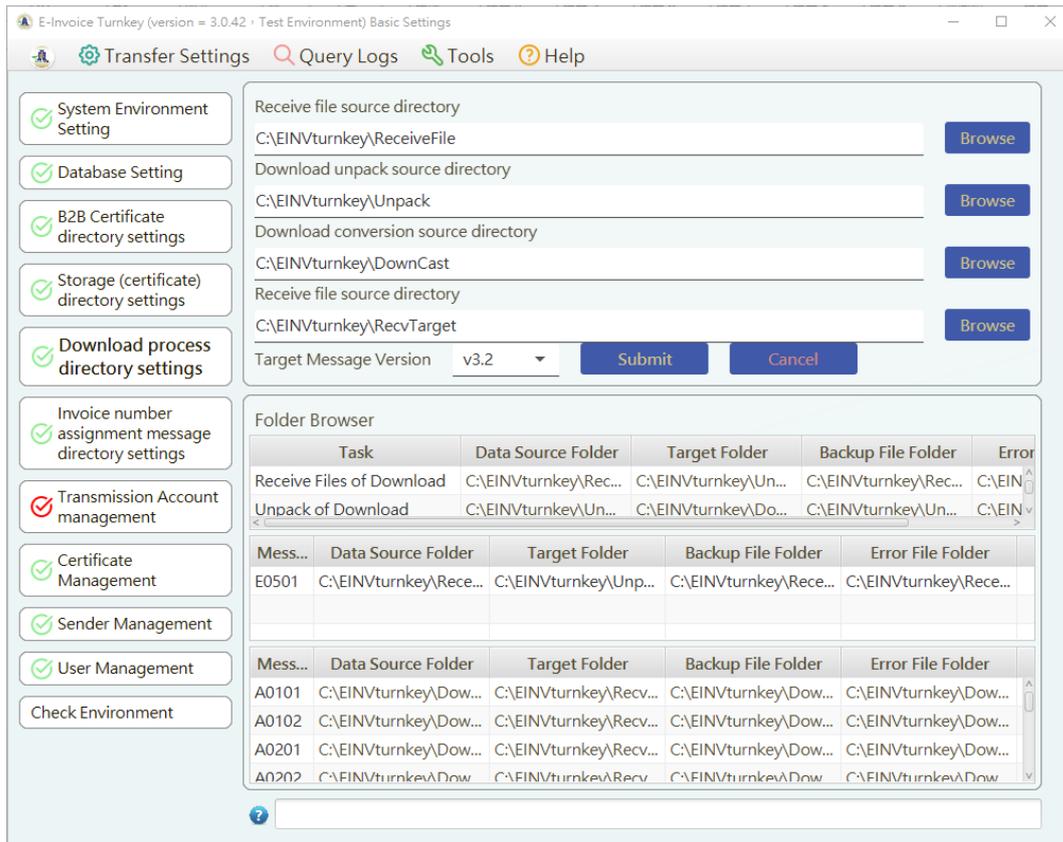
- (7) The format of the files placed in the source directory for uploading shall comply with the settings in “Source message version / format / coding”, or there will be a parsing error.
- (8) Directory list 1: shows the directory list for **【Upload conversion】** . Depending on the version, it shows the message type, source directories and destination directories for **【B2C certificate directory settings】** . The messages shall be placed at the designated location for the tasks.
- (9) Directory list 2: shows the directory list for **【Upload pack】** and **【Transmit file】** .
- (10) **【OK】** : the system saves the data in the database, if the B2B certificate directory setting has not been completed, a prompt window will pop up to remind the user to set it.
- (11) **【Cancel】** : resets to default values.

(XII) Download process directory settings

1. Function descriptions

- (1) Path: Transfer Settings > Basic Settings > Download process directory settings

This provides the information required for scheduling for **【Download process directory settings】** , and contains directories for **【Download conversion】**,**【Download unpack】**and **【Receive file】**.



2. Operations

- (1) Open the setting page: **【Transfer Settings】** → **【Basic Settings】** → **【Download process directory settings】** .
- (2) If no data is available in DB, the default data is provided on screen, as shown in the figure.
- (3) Download conversion source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (4) Download unpack source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (5) Receive file source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (6) Receive file source directory: this is required and user may enter the

directory or select one by clicking on **【Browse】** .

- (7) Source message version: Set the message version and format of the received data. Before Turnkey version 3.1.3, it only supports XML formats below MIG V4.0. After version 3.2.0, it can support all XML formats.
- (8) The format of the files placed in the source directory for uploading shall comply with the settings in “Source message version / format / coding”, or there will be a parsing error.
- (9) Directory list 1: shows the directory list for **【Download conversion】**. It lists the storage directories corresponding to the types of messages received and processed. The user shall collect the messages at the designated location for the tasks.
- (10) Directory list 2: Displays the directory overview of **【Common Communication Download】** , and its directory structure is: source directory (\ReceiveFile\SRC), destination directory (\Unpack\BAK), backup directory (\ReceiveFile\BAK), error storage directory (\ReceiveFile\ERR).
 - A. E0501 InvoiceAssignNo (Source information version v3.x or later is applicable)
 - B. E0502 Input Invoice Message for Platform Certification (Source information version v4.1 or later is applicable)
 - C. E0503 Input Allowance Message for Platform Certification (Source information version v4.1 or later is applicable)
 - D. E0504 AwardList (MIG V4.0 adds messages, so it can only be used when switching the source message version to v4.0)

(11) Directory list 3: Displays the catalog overview of **【Download Unpacking】** and **【Receiving Files】** .

(12) **【OK】** : the system saves the data in the database.

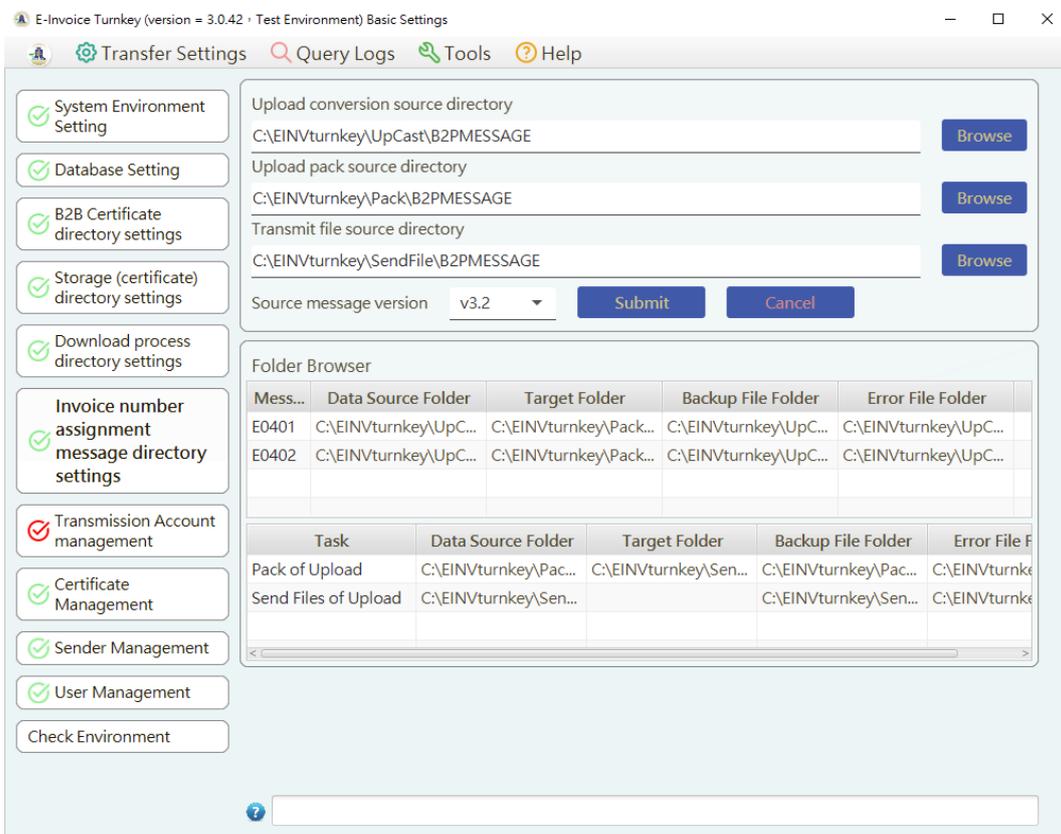
(13) **【Cancel】** : resets to default values.

(XIII) Invoice number assignment message (B2P) directory settings

1. Function descriptions

(1) Path: Transfer Settings > Invoice number assignment message directory settings

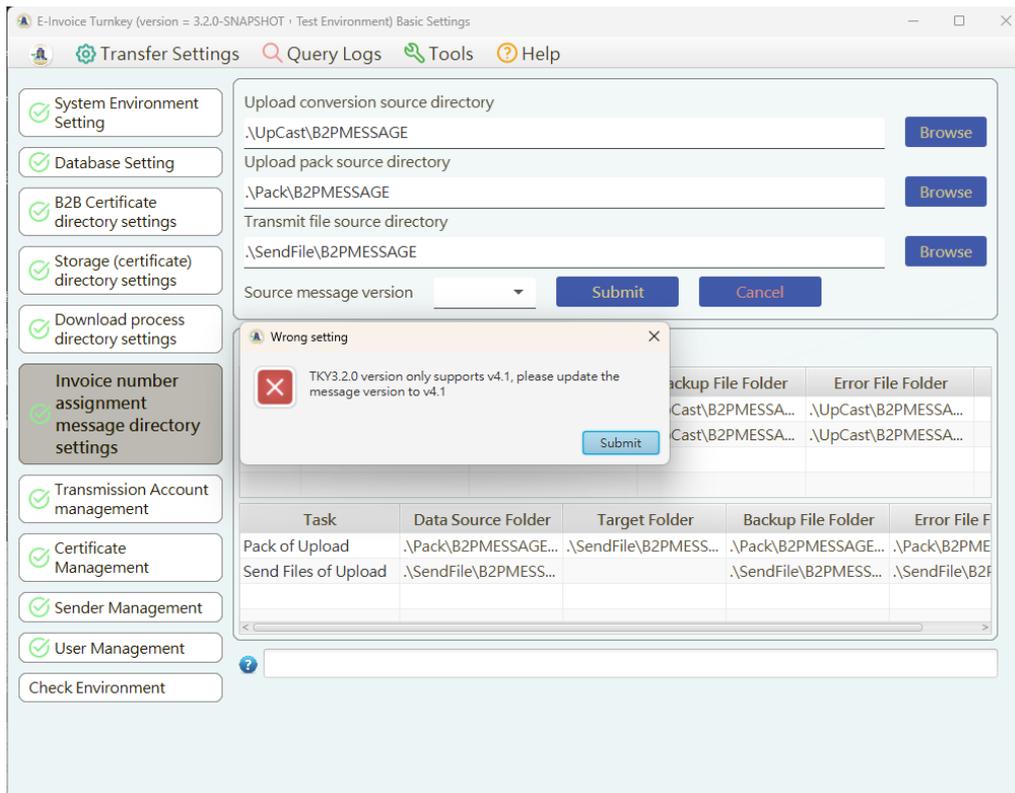
This provides the information required for scheduling for **【Invoice number assignment message directory settings】** , and contains directories for **【Upload conversion】** , **【Upload pack】** and **【Transmit file】** .



2. Operations

- (1) Open the setting page: **【Transfer Settings】** → **【Invoice number assignment message directory settings】** .
- (2) If no data is available in DB, the default data is provided on screen, as shown in the figure.
- (3) Upload conversion source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (4) Upload pack source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (5) Transmit file source directory: this is required and user may enter the directory or select one by clicking on **【Browse】** .
- (6) Source message version/format: the message version and format are defined here for B2P data to be uploaded. Turnkey version 3.2.0 only supports XML format after MIG V4.1
- (7) Source code: the XML format accepts only the UTF-8 codes. The format of the files placed in the source directory for uploading shall comply with the settings in “Source message version / format / coding”, or there will be a parsing error.
- (8) Directory list 1: shows the directory list for **【Upload conversion】** . Depending on the version, it shows the message type, source directories and destination directories for **【 Invoice number assignment message directory settings】** . The messages shall be placed at the designated location for the tasks.
- (9) Directory list 2: shows the directory list for **【Upload pack】** and **【Transmit file】** .

- (10) **【OK】** : the system saves the data in the database.
- (11) **【Cancel】** : resets to default values.
- (12) After updating to Turnkey version 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following error will appear.



(XIV)Transmission account management

1. Function descriptions

- (1) Path: Transfer Settings > Basic Settings > Transmission account Management

This function allows for user’s management of transmission account settings. This transmission account and its associated password are provided by the E-Invoice Platform for authentication when connecting to the platform. Multiple sets of accounts and passwords are possible in the case that the Turnkey is set up for

2. Operations

(1) Open the setting page: **【Transfer Settings】** → **【Basic Settings】** → **【Certificate Management】** .

(2) The system shows the list of transmission accounts.

(3) Add operation mode:

When the user enters **【Transfer Account】** and **【Transfer Password】** on the transmission account list page, and presses **【Add】**, a group of transmission accounts will be created. When the addition is completed, next to the transmission account management on the left guided function bar, it will appear whether the account has been set (green check: transmission account has been set, red edit file: transmission account has not been set). When adding, the system will also It will automatically confirm through the WEB API whether the account and password are set on the platform. If the account and password are checked incorrectly, a prompt message will be displayed.

(4) Edit operation mode:

Users can select a data in a table on the transfer account list page and press **【Edit】** to edit the data.

A. The transmission account and password are required fields, and after the user presses **【Submit】** on the transmission account setting page, the password of the information is encrypted and stored in the database, and automatically confirm through the WEB API whether the account and password are set on the platform. If the account and password are checked incorrectly, a prompt message will be displayed.

I. When the user presses **【Cancel】** on the transmission account setting page, the system will determine whether the information has been modified, ask the user whether it is saved, and leave the setting page if not.

(5) Delete operation mode:

When the user selects a piece of information in the table on the transfer account list page, and clicks **【Delete】**, the user will be asked to "confirm the deletion", and if you press **【OK】**, the data will be deleted from the database.

3. Note

An application has to be submitted to the E-Invoice Platform for the transmission account and associated password. Refer to "E-Invoice Platform service application form.doc" for the application process.

(XV) Certificate management

1. Function descriptions

(1) Path: Transfer Settings > Basic Settings > Certificate management

This function allows users for the certificate management settings. Certificates defined here are used for signatures for data uploads. If this Turnkey allows for data uploads and exchanges for multiple business entities (tax ID numbers), it is allowed to define multiple certificates for the signatures of corresponding data from different sources.

Turnkey allows for the settings and use of multiple software certificates and card certificates. However, attention is required as it is necessary to appoint which card certificate to be used at the moment of using the Turnkey if multiple card certificates are defined

2. Operations

- (1) Open the setting page: **【Transfer Settings】** → **【Basic Settings】** → **【Certificate management】** .
- (2) It provides the list of all certificates.
- (3) Add operation mode:
- (4) Users can directly fill in the credential information in the credential settings field and press **【Add】** to add a new voucher.
- (5) Edit operation mode:

When the user selects a piece of data in a table on the voucher list page and presses **【Edit】** , the certificate information can be brought into the certificate setting field, and the user can edit the information.

- A. After entering the password field with a clear code, the system encodes the password and then saves it, and the user can also use the **【Tools】** → **【Password Encryption】** function in advance, first obtain the ciphertext and enter it into this field, and check "Already an encrypted password" when entering.
- J. Voucher types are divided into Card and PFX (Software Certificate). If the credential type is Card, the credential path is not allowed to be edited. (as shown below).

Certificate Setting

Certificate Id (recommended to be a 4-digit number, and the value is determined by the user)

Certificate Password Password Already Encrypted

Type of Certificate

Card ▼

Path of Certificate File

- K. When the user presses **【OK】** on the credential setting page, except for the credential path when the credential type is Card, the remaining fields must not be empty, encrypt the credential password of the information and store it in the database, and copy the credential to the default directory with the file name: \$credential code_ \$original file name.
- L. When the user presses **【Cancel】** on the voucher setting page, the system will determine whether the information has been modified, ask whether it is saved, and leave the setting page if not.
- M. When the user selects a piece of information in a table on the certificate list page and presses **【Delete】**, the data is deleted from the data.
- N. If it is a card voucher, you need to insert the card and enter the correct password when registering the voucher, and the system will verify whether the password is correct.
- (6) Delete operation mode:

When the user selects a piece of data in the certificate list list on the credential management page and clicks **【Delete】**, the user will

be asked to "confirm the deletion", and if you press **【OK】**, the data will be deleted from the database.

3. Note:

The certificate used for data signature here has to be registered with the E-Invoice Platform before it can be used for this purpose. Or, the data uploaded will be rejected because of the "Signature authentication failed" error.

(XVI)Sender management

1. Function descriptions

(1) Path: Transfer Settings > Basic Settings > Sender management

This function allows the user for the maintenance of the message sender list. A sender refers to a business entity or value-added center uploading data through this Turnkey. For every sender, the certificate defined in the certificate management will be used for signature in the message sent, and data is uploaded to the E-Invoice Platform and the data that the platform wants to route to the sender is downloaded through the transmission account.

E-Invoice Turnkey (version = 3.0.42 · Test Environment) Basic Settings

Transfer Settings Query Logs Tools Help

- System Environment Setting
- Database Setting
- B2B Certificate directory settings
- Storage (certificate) directory settings
- Download process directory settings
- Invoice number assignment message directory settings
- Transmission Account management
- Certificate Management
- Sender Management**
- User Management
- Check Environment

List of Sender Config

Sender Tax ...	Sender Cert...	Description...	Transmissio...	Transmissi...	Description...	Sender Agent
04133002	3002		PA001005	04133002	04133002 - ...	No
90000017	0017	TEST	PE001038	90000017	90000017 - ...	No

Setting of Sender

Sender Tax ID Number: Sender Certificate Id:

Description of Sender Tax ID Number:

Transmission Account:

Transmission Routing Code:

Description of Transmission Routing:

Sender Agent

Setting of Sender

Sender Tax ID Number: Sender Certificate Id:

Description of Sender Tax ID Number:

Transmission Account:

Transmission Routing Code:

Description of Transmission Routing:

Sender Agent

Routing Code	Description of Transmission Routing Code
EINVCT01	03722305 - 財政部財稅資料中心 (B2B營業人)
PS000001	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)
PS000002	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)
PS000003	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)
PS000009	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)
PS000011	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)
PS000012	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)
PS000014	00007102 - 測試有限公司 (B2B營業人,買方加值中心,獨立第三者加值中心)

2. Operations

(1) Users must set the legal certificate in **【Voucher Settings】** and set the transmission account and password issued by the electronic invoice platform in **【Transmission Account Settings】** before they can select in **【Sender Settings】**.

(2) Add operation mode:

Users can fill in all the necessary fields in the sending settings and press the **【Add】** button in **【Sending Settings】** to add a new sending information.

A. Except for the sender description, all fields are necessary values, after entering **【Sender Compilation】**, **【Sender Voucher】**, **【Transmission Account】**, users can use the **【Query Bypass Code】** function to query **【Transmission Wrap Code】** and **【Transmission Wrap Description】**, when the query result is displayed, it will appear in the form of a list.

O. Please refer to the **【Query Bypass Code】** screen, where the user needs to select a record, press the **【OK】** button of **【Query Routing Code】**, and fill in the selected **【Transmission Bypass**

Code】 and 【Transmission Wrap Description】 into 【Sender Settings】 .

P. Edit operation mode:

The user selects the information in the table on the sender list page and presses "Edit" to edit the data set by the sender.

- When the user presses 【Cancel】 on the sending settings page, the system will determine whether the data has been modified, ask the user whether to save it, and leave the setting page if not.

(3) Delete operation mode:

When the user presses 【Cancel】 on the sending settings page, the system will determine whether the data has been modified, ask the user whether to save it, and leave the setting page if not.

- (4) 【Deposit Agent】 If the value-added center and the head office upload invoices on their behalf, you should check this field, when the system uploads the information and finds that there is no set business person in Turnkey, the sender voucher and account information of the "Deposit Agent" will be used by default to sign and transmit the invoice information to the center. However, if the B2B exchange invoice is transmitted, the operator must cooperate with the integrated service platform operator to set the receipt method to be received by the value-added center/head office, and the value-added center/head office can only transmit it after confirming the authorization.

3. Note

An application shall be submitted to the E-Invoice Platform for a sender account and the corresponding route code. Refer to the “E-Invoice

2. Operations

(1) Add operation mode:

Users can enter **【User Account】**, **【User Password】**, **【User Role】** in user settings, and press the **【Add】** button to create a group of user accounts.

(2) Edit operation mode:

If the user needs to change the password or role, he can first select the information to be changed in the user list table, press the **【Edit】** button to edit, After the password field is entered again, the system will encode the password and then save it, or you can use the **【Tools】** → **【Password Encryption】** function in advance, obtain the ciphertext and enter it into this field, and check "Password Already Encrypted" when entering, and press **【Confirm】** when the modification is completed.

■ When the user presses **【Cancel】** on the user settings page, the system will determine whether the data has been modified, ask the user whether to save it, and leave the setting page if not.

(3) Delete operation mode:

When the user selects a piece of data in the table in the user list, press **【Delete】**, the user will be asked to "confirm the deletion", and if you press **【OK】**, the data will be deleted from the database.

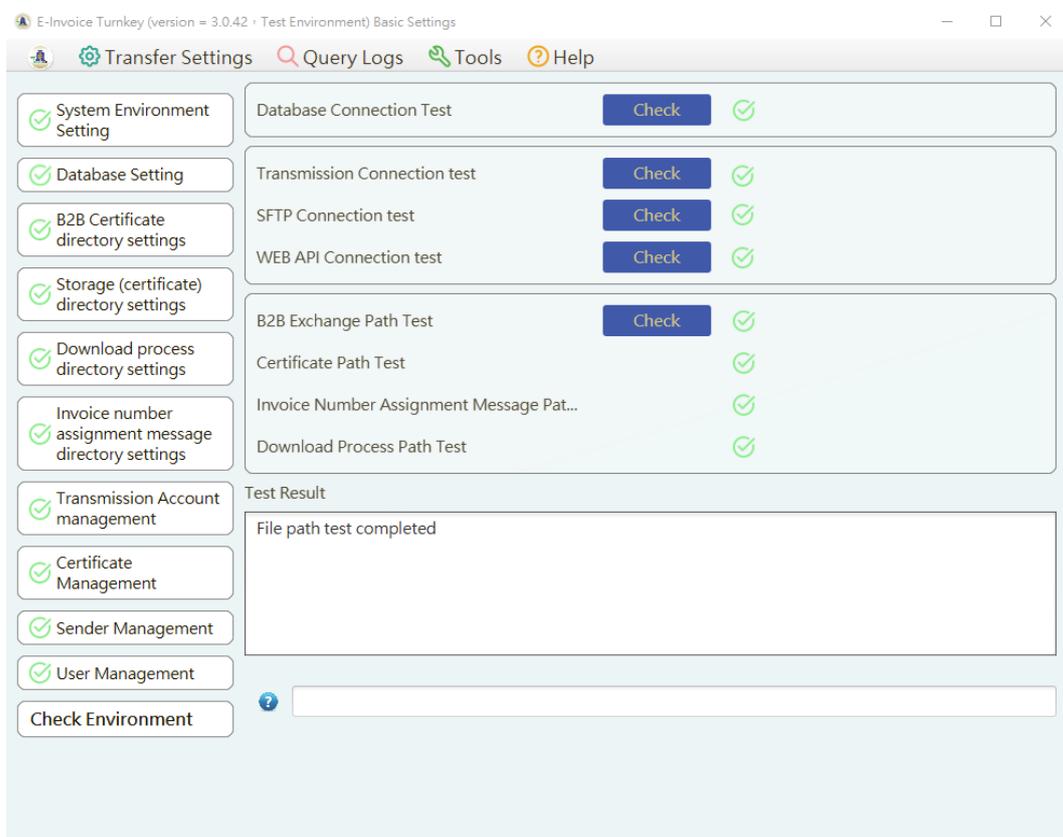
(XVIII) Environment detection

1. Function descriptions

(1) Path: Transfer Settings > Basic Settings > Environment detection

This function provides that before users use the Turnkey method

to transmit data, they must check the environment settings to ensure the correctness of invoice transmission



2. Operations

- (1) **【Database Connection Test】** Detects the database connection and provides users to confirm whether the connection to the database is successful.
- (2) **【Transmission Account Connection Test】** , **【SFTP Connection Test】** , **【WEB API Connection Test】** detect the connection of the electronic invoice platform and provide users with confirmation of whether the connection with the central platform is successful.
 - A. **【Transmission Account Connection Test】** : The system will use the transmission account and password set by the user in the transfer account management page to confirm with the central

platform whether the account is correct.

Q. **【SFTP Connection Test】** : The system uses the transfer account and password to test the SFTP connection to the official environment or test environment selected by the user.

R. **【WEB API Connection Test】** : The system tests the API connection URL of the official environment or test environment of the central platform.

(3) **【B2B Exchange Directory Test】** , **【Deposit Catalog Test】** , **【Invoice Matching Message Catalog Test】** , **【Download Process Catalog Test】** detect the transmission file directory, and provide users to confirm whether the directory exists.

(4) Under the item to be tested, press the **【Test】** button, if it is successful, a green tick will appear behind, and if it fails, a red X will appear, and the result of the test will also be notified in the **【Test Result】** field below

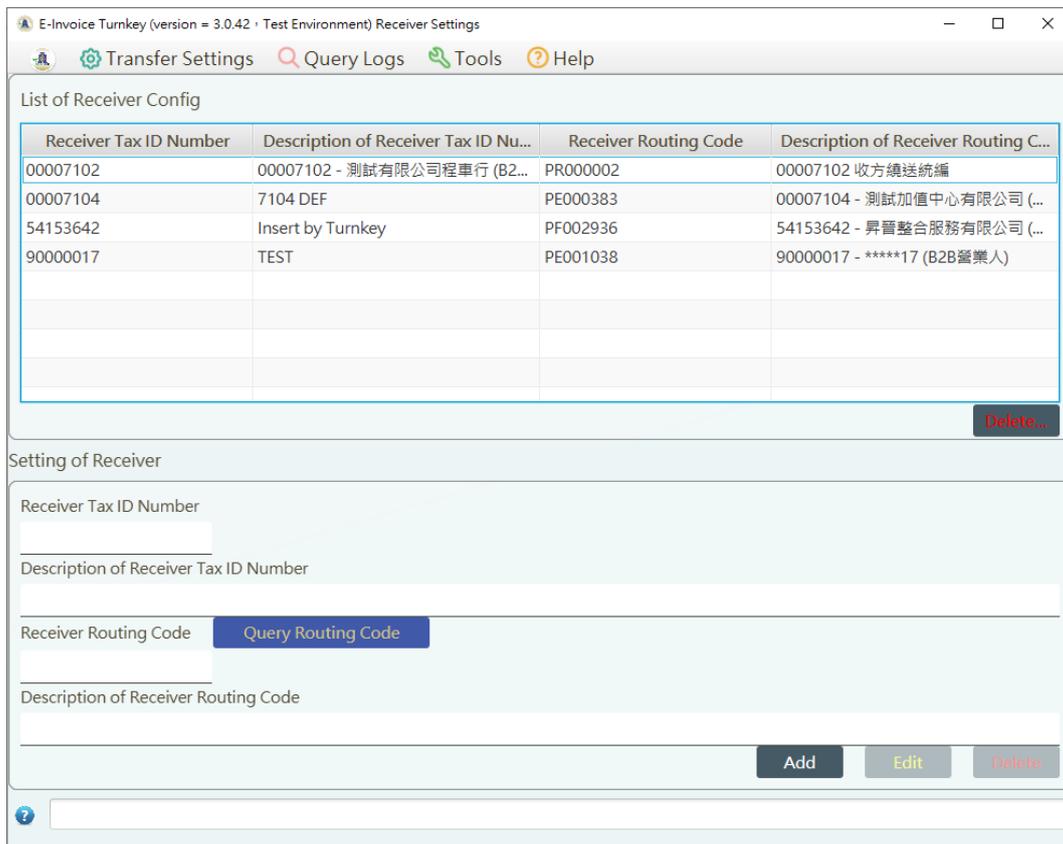
(XIX)Receiver settings

1. Function descriptions

(1) Path: Transfer Settings > Receiver Settings

This function provides users with the information exchanged by maintaining B2B and the uniform number of the data recipient corresponds to the routing code of the receiving method. When uploading invoice information, the sender should set up a routing code registered by the recipient on the integrated service platform here. However, this system also provides the function of automatic setting; When the recipient of the B2B exchange invoice is not set, the system will automatically go to the integration service platform

to query the recipient's shipping code and write back this setting.



2. Operations

(1) Add operation mode:

After the user enters all the necessary fields for recipient settings on the recipient settings page, pressing **【Add】** will create a set of recipient setting information.

- A. All fields are required except the recipient description. The user sets the **【Recipient Compilation】** of the data recipient operator at the time of B2B exchange, and uses the **【Query Wrap Code】** function to query the **【Receiving Wrap Code】** and **【Receiving Wrap Description】** of the value-added center responsible for receiving data. The query result will appear in the form of a list, the user needs to select a record on this screen, press the **【OK】** button of **【Query**

Wrap Code】 , and fill in the selected 【Receive Wrap Code】 and 【Receive Wrap Description】 into 【Recipient Settings】 .

S. After filling in all the necessary fields, press the OK button in 【Recipient Settings】 to add a new record.

(2) Edit operation mode:

The user selects a piece of information in the table in the recipient list and presses 【Edit】 to edit the data.

A. When the user presses 【OK】 on the recipient settings page, the data completed by the change will be stored in the database.

T. When the user presses 【Cancel】 on the recipient setting page, the system will determine whether the data has been modified, ask the user whether to save it, and leave the setting page if not.

(3) Delete operation mode:

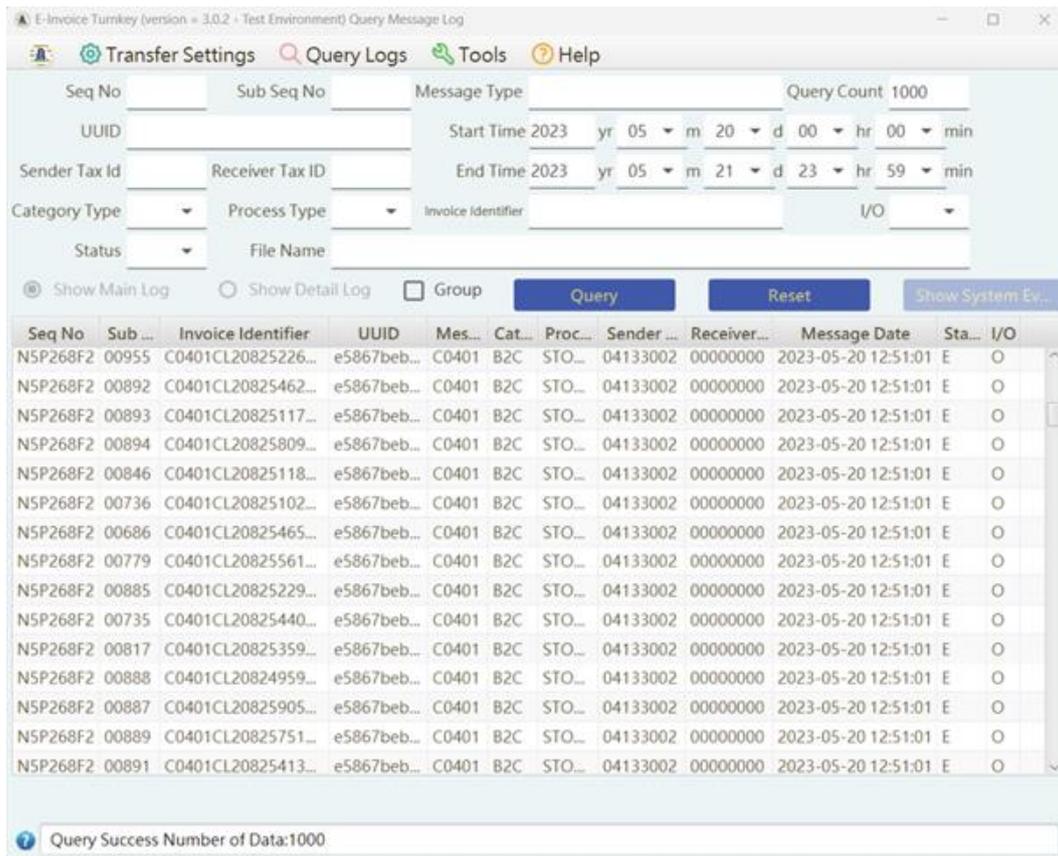
The user selects a piece of data in the table in the recipient list, presses 【Delete】 , the system will ask the user to "confirm the deletion", if you press 【OK】 to delete the data from the database.

(XX) View message logs

1. Function descriptions

(1) Path: Transaction log search > View message logs

This function allows the user to search for any message log processed during Turnkey operations. It provides an easy-to-use interface that allows the user to search for the information about the process and status of the information processed.



2. Operations

- (1) Before viewing any message log, it is necessary to enter the search criteria. If none is provided, the event logs for the latest hour are shown. The default number of logs to be searched is 1,000 and the system provides the support for up to 9,999.
- (2) Click on **【 Search 】** after entering the search criteria and the information required is shown based on the criteria provided.
- (3) Click on **【 Reset 】** to reset all search criteria and results.
- (4) By default, the logs are sorted by message dates.
- (5) In the record of the query result, click the specific record you want to query, you can click **【 Show Master File 】**, the system defaults to display the master file, and if you want to view the details, you can switch the single selection button to display the details.

- (6) In the record of the query result, click on the specific record you want to query, and you can click **【Show Details】** to know the processing status of the information and the current file location.
- (7) Before querying, you can check **【Group】**, and the screen will display a processing status record for the same batch of stored invoice records.
- (8) For the message with status E (Error, Error), click **【Show Event Record】** to open the **【View Event Record Details】** screen to know the cause of the error in more detail. Learn more detailed error descriptions. For more information about event logging, see the next section.
- (9) Status: it tells the result of an invoice being uploaded or processed. The following provides what each of the statuses means.
 - A. P: Processing; upload or download again if the status stays at P constantly.
 - U. G: Data is uploaded or downloaded.
 - V. C: Data is uploaded and the certificate of the Platform acknowledgement or message of successful exchange/processing is received. The data to be uploaded has to be in this status to indicate that the data is uploaded successfully.
 - W. I: The data processing is interrupted and will resume automatically after the program is rerun or the error is removed.
 - X. E: A format or signature error occurs while the data is being uploaded, or an error from the E-Invoice Platform is received after the data is uploaded. For troubleshooting this error, refer to Chapter VIII and Appendix 1, the error message code table and

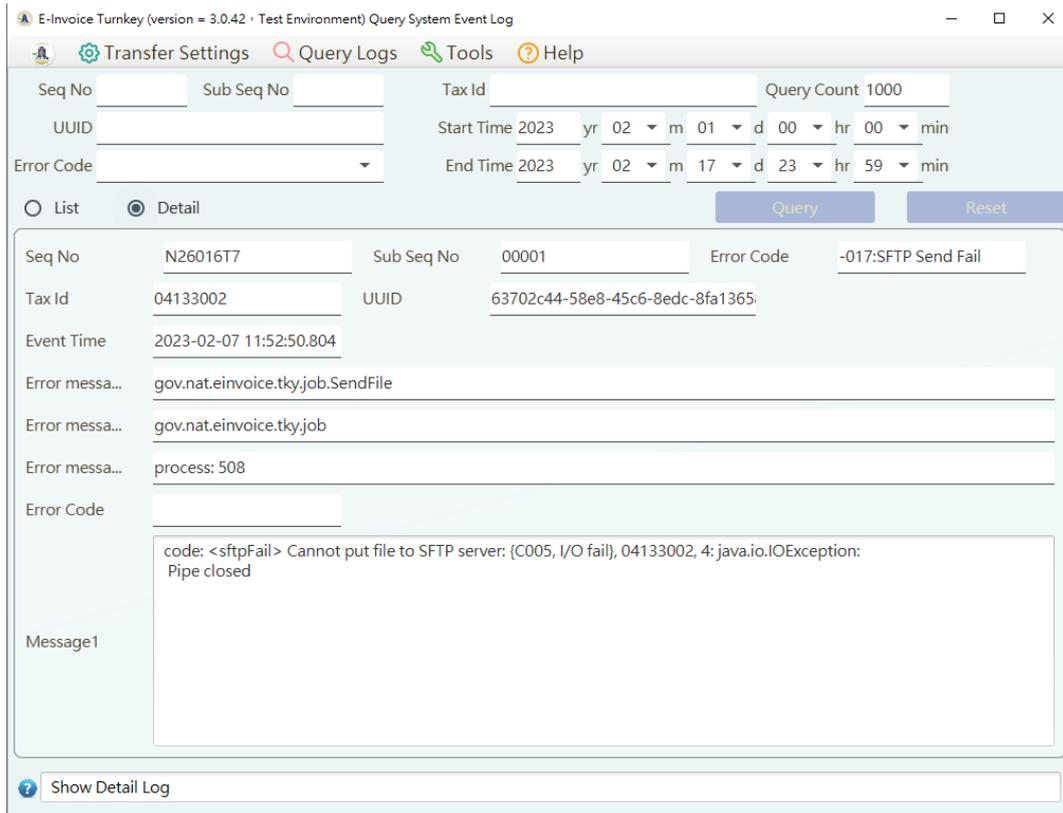


Figure 5-2 、 Detailed view of individual items of incident records

2. Operations

(1) View event log query (Reference Figure 1 View event log query function diagram)

A. Before viewing the event records, you need to enter the query conditions, if none of them are entered, the event records from 00:00 am to 23:59 of the previous day are displayed by default, and the default number of queries is 1000, and the maximum number of queries can be supported up to 9999.

Z. Click on **【Search】** after entering the search criteria and the information required is shown based on the criteria provided.

AA. Click on **【Reset】** to reset all search criteria and results.

BB. By default, the logs are sorted by event dates.

(2) View the individual item details of the event log (refer to Figure 2
View the single item details of the event log)

A. In the list of event record query results, after clicking the specific record of the details you want to query, you can toggle the single selection button **【Single Item Details】** to open the **【View Event Record Details】** screen to know the cause of the error in more detail.

(XXII) Message log statistics

1. Function descriptions

(1) Path: Transaction log search > Message log statistics

This function is similar to view message logs, except that the location of the file to which the search results are exported has to be entered before the search starts, and the system will export the search results in CSV format. In addition, the upper limit of 9,999 pieces of data does not apply to this statistical data, which allows business entities to check if the invoices are uploaded correctly.

2. Operation instructions

(1) Message log statistics

- A. Before recording statistical information, you need to enter the query conditions. If neither is entered, the event records from 00:00 a.m. of the previous day to 23:59 of the current day will be displayed by default.
- B. After inputting the query conditions, press the [Query] button to obtain the number of data items based on the input conditions.
- C. Press the [Reset] button to clear all query conditions and query results.
- D. Check the box to generate a report, select the file location and file name, and click the [Query] button to save the query data in the specified file in CSV format.

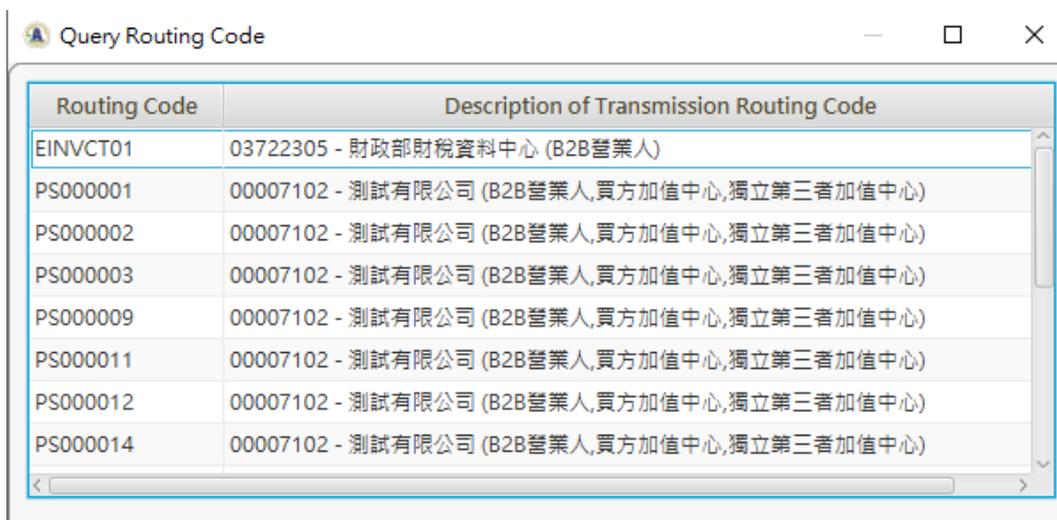
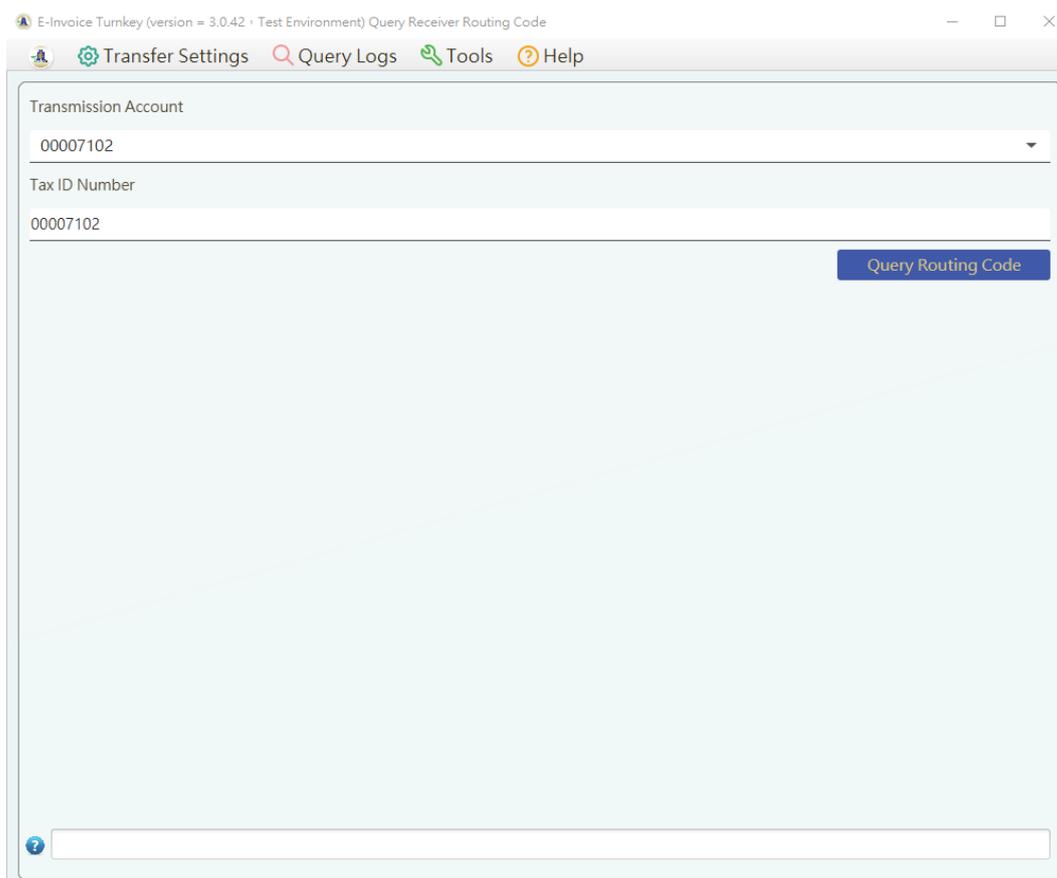
A	B	C	D	E	F	G	H	I	J	K	
送方統編	收方統編	訊息日期	發票類型	處理類型	訊息類	狀態	I/O	發票識別碼	唯一識別碼	檔案名稱	
1	54153642	90000017	20240906173605052	B2B	EXCHANGE	A0101	E	O	A0101PH5050240820240501	af8fdb04-3a2a-40e0-bf20-092ee24b2525	.\EINVUpCastB2B
2	54153642	90000017	20240906173605188	B2B	EXCHANGE	A0101	E	O	A0101PH5050240920240602	d4e8f807-4726-499b-ae0a-d3d8e561e3e6	.\EINVUpCastB2B
3	54153642	90000017	20240906173605304	B2B	STORAGE	A0401	E	O	A0401PH5050243020240525	af8c15d9-24c9-4650-8771-782b48b61c69	.\EINVUpCastB2B
4	54153642	90000017	20240906173605304	B2B	STORAGE	A0401	E	O	A0401PH5050242920240608	af8c15d9-24c9-4650-8771-782b48b61c69	.\EINVUpCastB2B
5	54153642	90000017	20240906173605304	B2B	STORAGE	A0401	E	O	A0401PH5050242820240506	af8c15d9-24c9-4650-8771-782b48b61c69	.\EINVUpCastB2B
6	54153642	90000098	20240906173942449	B2B	EXCHANGE	A0101	E	O	A0101PH5050240820240609	fe16e9ec-00fb-4b13-983c-c85a8ca00f25	.\EINVUpCastB2B
7	54153642	90000098	20240906173942486	B2B	EXCHANGE	A0101	E	O	A0101PH5050240920240514	a7f65518-e7a1-47ec-8158-e8e57bf69e2	.\EINVUpCastB2B
8	54153642	90000098	20240906173942545	B2B	STORAGE	A0401	E	O	A0401PH5050242920240502	136e3c1b-dfab-4bf1-b734-bab928dc2aff	.\EINVUpCastB2B
9	54153642	90000098	20240906173942545	B2B	STORAGE	A0401	E	O	A0401PH5050242820240520	136e3c1b-dfab-4bf1-b734-bab928dc2aff	.\EINVUpCastB2B
10	54153642	90000098	20240906175202255	B2B	EXCHANGE	A0101	E	O	A0101PH5050241020240515	d8eedb9f-71a8-421f-ae7a-edc384200103	.\EINVUpCastB2B
11	54153642	90000098	20240906175202375	B2B	EXCHANGE	A0101	E	O	A0101PH5050241120240505	0dd15f39-04f7-4e96-8711-0121b264578a	.\EINVUpCastB2B
12	54153642	90000098	20240906175202453	B2B	STORAGE	A0401	E	O	A0401PH5050243120240608	f496c367-b1ad-4250-86df-8b2eae626d8a	.\EINVUpCastB2B
13	54153642	90000098	20240906175202453	B2B	STORAGE	A0401	E	O	A0401PH5050243020240612	f496c367-b1ad-4250-86df-8b2eae626d8a	.\EINVUpCastB2B
14	54153642	90000098	20240906182520245	B2B	EXCHANGE	A0101	E	O	A0101PH5050241320240526	2c069272-8ff2-4496-9b7a-1d7ac39f5c7b	.\EINVUpCastB2B
15	54153642	90000098	20240906182520352	B2B	EXCHANGE	A0101	E	O	A0101PH5050241220240603	ff9c2f98-4e4b-4f48-96ec-156894ee32de	.\EINVUpCastB2B
16	54153642	90000098	20240906182520414	B2B	STORAGE	A0401	E	O	A0401PH5050243220240607	dfc9e6df-cb1c-4ee5-8ba9-9f22f75d7495	.\EINVUpCastB2B
17	54153642	90000098	20240906182520414	B2B	STORAGE	A0401	E	O	A0401PH5050243320240510	dfc9e6df-cb1c-4ee5-8ba9-9f22f75d7495	.\EINVUpCastB2B
18	54153642	90000098	20240906183623798	B2B	EXCHANGE	A0101	G	O	A0101PH5050241320240526	eb7e2f4d-e964-47c1-abff-6c6bd7f4b4a5	.\EINVUpCastB2B
19	54153642	90000098	20240906183623928	B2B	EXCHANGE	A0101	G	O	A0101PH5050241220240603	3cc9f0f-9d7f-4345-9650-8e935f189a5	.\EINVUpCastB2B
20	54153642	90000098	20240906183623991	B2B	STORAGE	A0401	E	O	A0401PH5050243220240607	5482af33-1482-445c-af8c-f0faeada109d	.\EINVUpCastB2B
21	54153642	90000098	20240906183623991	B2B	STORAGE	A0401	E	O	A0401PH5050243320240510	5482af33-1482-445c-af8c-f0faeada109d	.\EINVUpCastB2B
22	00007102	54153642	20240906183859029	B2B	EXCHANGE	A0102	G	I	A0102PH5050010920240529	23b6b075-2073-4fb1-912f-45ec686d623c	.\EINVReceiveFile
23	00007102	54153642	20240906183859071	B2B	EXCHANGE	A0102	G	I	A0102PH5050010820240527	cde4526f-add1-4d79-83a5-949f3497699	.\EINVReceiveFile
24	00007102	54153642	20240906183859109	B2B	EXCHANGE	A0102	G	I	A0102PH5050011020240507	96290335-9b8d-4c48-ab75-d654017f24ee	.\EINVReceiveFile
25	00007102	54153642	20240906183859148	B2B	EXCHANGE	A0102	G	I	A0102PH5050010620240506	d6a70cab-85f7-488d-b67f-de43c889b2d9	.\EINVReceiveFile
26	00007102	54153642	20240906183859185	B2B	EXCHANGE	A0102	G	I	A0102MK0000001320240115	69e87508-7041-4d0e-aa4a-ffc9c827b90d	.\EINVReceiveFile
27	00007102	54153642	20240906183859218	B2B	EXCHANGE	A0102	G	I	A0102MK0000001520240112	1c38fce4-3866-4d5e-a8fd-ffc5c5a04685	.\EINVReceiveFile
28	00007102	54153642	20240906183859250	B2B	EXCHANGE	A0102	G	I	A0102MK0000001220240108	063d881b-5bee-4498-b8d3-4a5c5d40c5e9	.\EINVReceiveFile
29	00007102	54153642	20240906183859291	B2B	EXCHANGE	A0102	G	I	A0102MK0000001420240102	6990882a-fb78-4552-8abd-8ccdbc449b73	.\EINVReceiveFile
30	00007102	54153642	20241119163936005	B2B	EXCHANGE	A0101	P	I		87bf7280-1d37-4f4a-b0d4-7f07c1450a44	.\EINVReceiveFile
31			20241119164801757	B2B	EXCHANGE	A0101	P	I		f112c50a-8d41-4624-b536-2ad092124083	.\EINVReceiveFile
32											
33											

(XXIII) Query receiver routing code

1. Function descriptions

(1) Path: Tools > Query receiver routing code

This function provides users with a specific unified number, registration on the electronic invoice integration service platform or allow the collection and delivery of the winding code. As shown in the figure below



2. Operations

- (1) Users must set the transfer account number and password provided by the e-Invoice Center in the settings of **【Basic Settings】** → **【Transfer Account Lis】** in advance to have query authority.

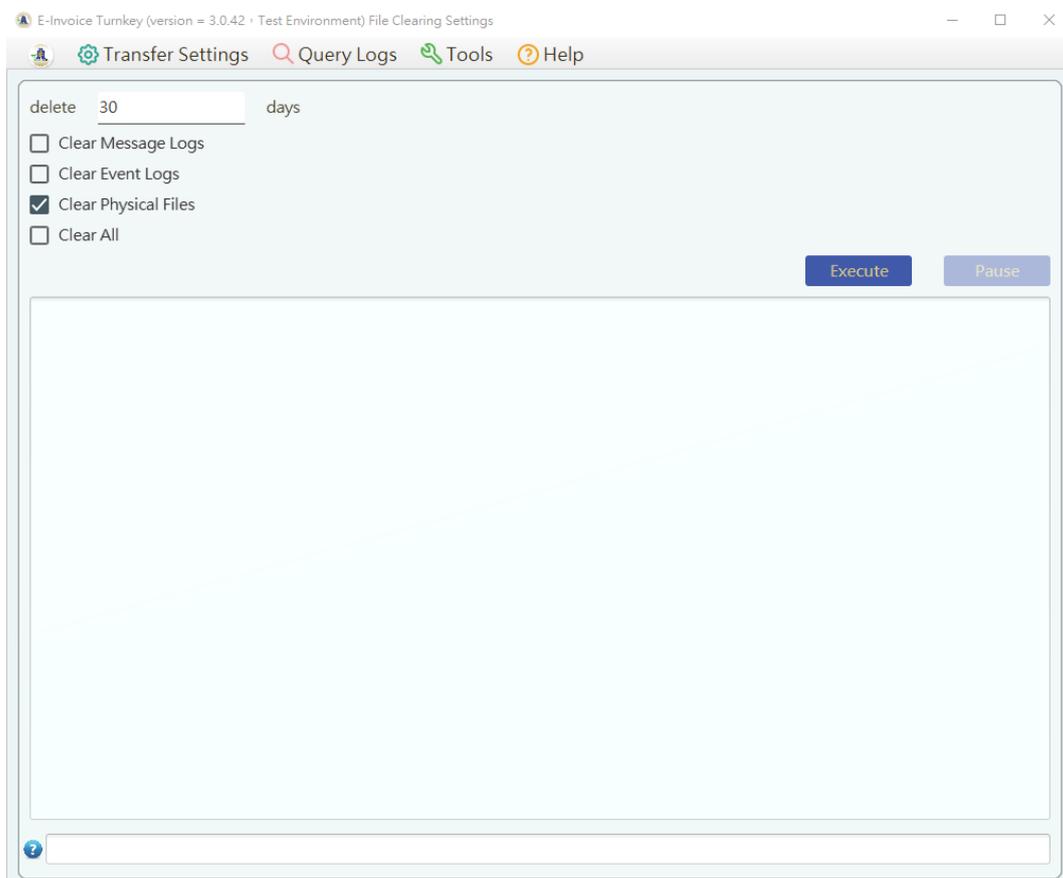
- (2) Once the settings are done, the user only has to select the transmission account and provide the tax ID number for searching.

(XXIV) Clearance settings

1. Function descriptions

- (1) Path: Tools > Clearance settings

This function provides users with the ability to clear databases and physical files.



2. Operations

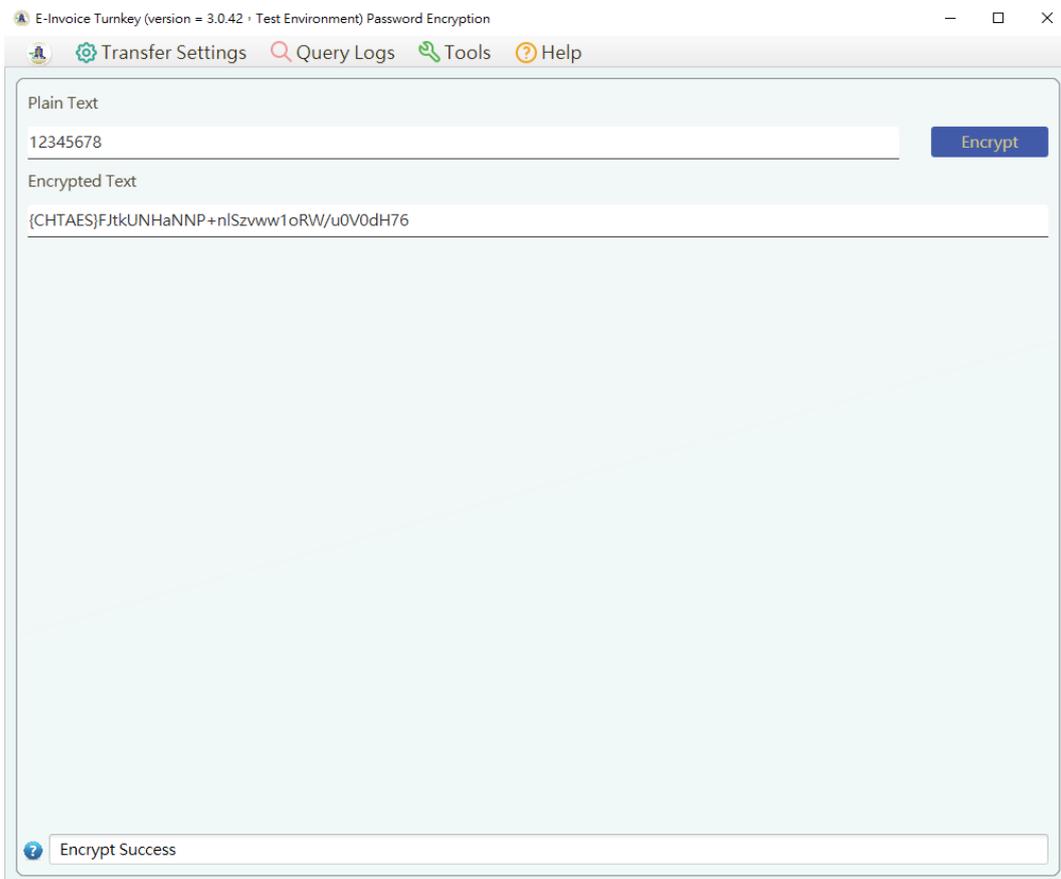
- (1) Set the data to be deleted a few days ago, check **【Clear Message Records】**, **【Clear Event Records】** **【Clear Entity Files】** or **【Select All】**, and click **【Execute】**.

(XXV) Password Encryption

1. Function descriptions

(1) Path: Tools > Password Encryption

If the administrator does not want the user to know the password content when entering the credential password, he can use this function to encrypt the credential password first, and then provide the ciphertext of the Turnkey operator to enter the credential password.



2. Operations

- (1) After the user has given the plaintext, press the **【Encrypt】** button to obtain a set of encrypted strings in the **【Ciphertext】** field, which can be used to type the **【Credential List】** setting or **【Transfer Account List】** settings to achieve the purpose of hiding the plaintext.

(XXVI) Make software credentials

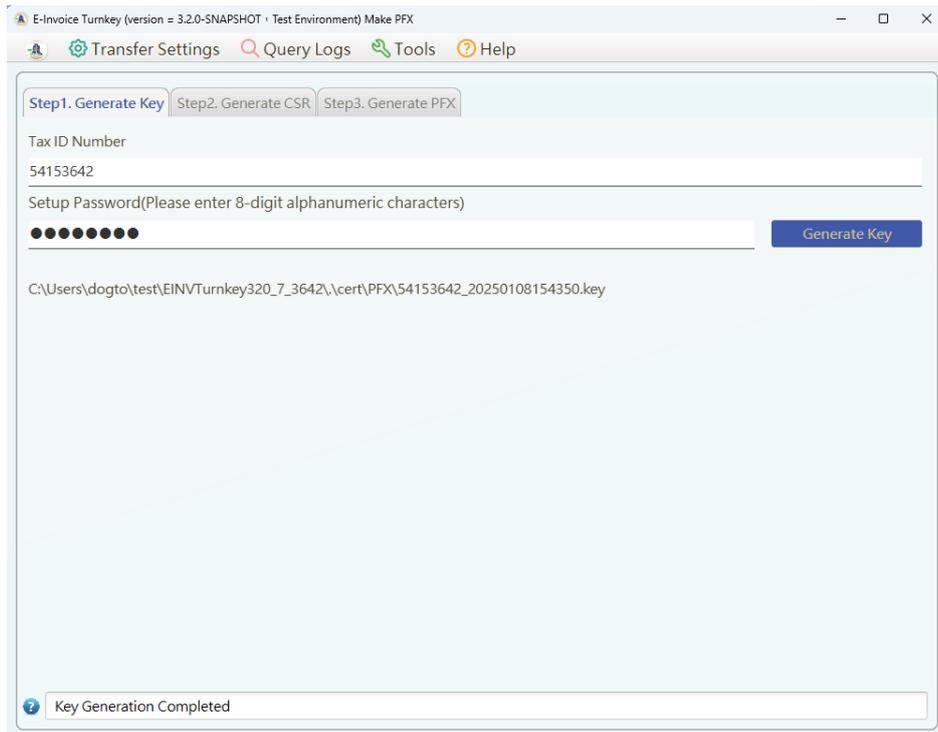
1. Function

(1) Path: Tool > Produce Software Certificate

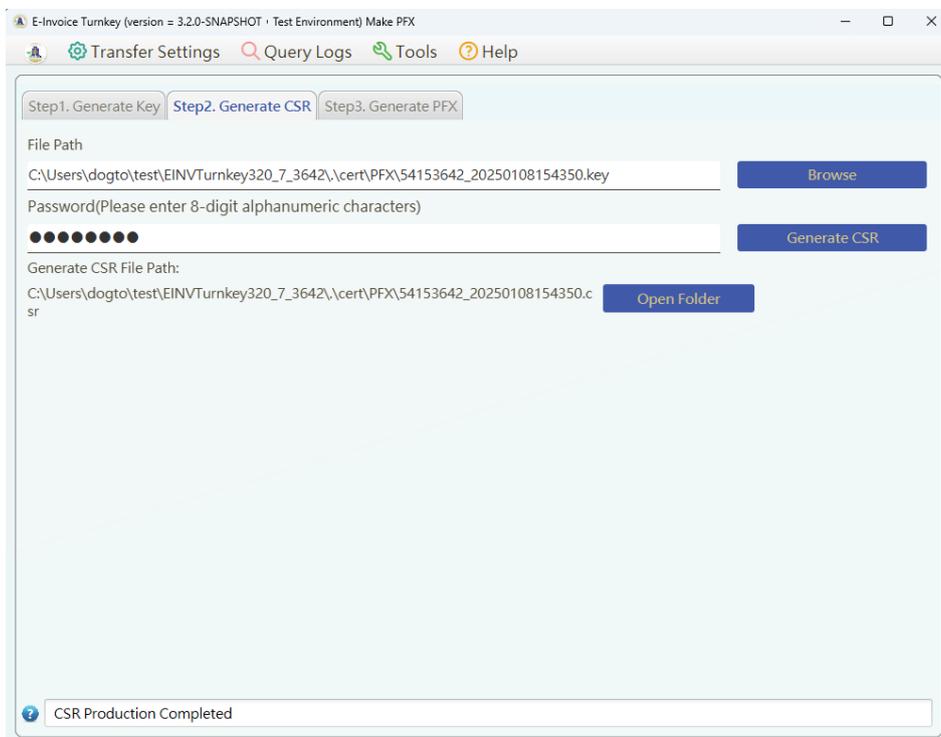
This function can provide a user to produce the KEY and Certificate Signing Request (CSR). Non IC card certificate (CER) is applied to CA through Certificate Signing Request (CSR), and then CER is assembled as software certificate. The flows are described as follows:

Step	Item
1	Produce KEY
2	Produce Certificate Signing Request (CSR)
3	Apply to CER through CA
4	Produce PFX

A. Step 1 Generate a key: Enter the "Uniform Number" and "Password" (the password can only use an 8-digit alphanumeric combination) and click the "Generate Key" button to generate the unified key file and The file placement path is shown below. This file will be used in both steps 2 and 3. Please keep it properly.



CC.Step 2: Produce CSR: When entering “File Path in Step 1” and “Password” to press “Produce CSR”, CSR for the Invoice No. will be produced and the file path will be displayed below.



DD. After you finish Step 2, please reference below category to apply Non IC card certificate (CER).

- Domestic suppliers are applied through Corporate CA.
- Mixed organization and cross-border E-service suppliers are applied through miXed organization Certification Authority(XCA).

Taking the Business Voucher Management Center as an example, please first connect to the " <https://moeaca.nat.gov.tw/other/index.html> " portal page (as shown below) to read the relevant application precautions.

- a. Click the orange button in the middle of "Fill in Application Information Online" to enter the online form filling process.

The screenshot shows the website of the Ministry of Economic Affairs, Business Voucher Management Center. The page is titled "非IC卡申請" (Non-IC Card Application). The navigation menu includes "憑證申請", "啟用憑證", "憑證作業", "應用系統", "常見問答", and "下載專區". The main content area lists various application types, with "非IC卡申請" selected. The selected item has a detailed description and a "線上填寫申請資料" (Online Application Form) button. Other items include "正卡申請", "正卡即將到期以正卡申請正卡", "負責人自然人憑證申請正卡", "附卡申請", "正卡申請非IC卡", "負責人自然人憑證申請非IC卡", and "憑證付費系統". A "注意事項" (Notes) section is also visible.

- b. Go to the webpage shown in the figure below and follow the application process described on the left until the online application form is completed.

填寫申請書

- 1 確認用戶約定條款
- 2 選擇申請項目
- 3 輸入統一編號
- 4 確認登記資料是否正確
- 5 輸入憑證聯絡人資料
- 6 設定用戶代碼
- 7 列印用戶代碼函
- 8 取得繳費資訊
- 9 申請資料填寫完成

用戶約定條款

工商憑證管理中心(以下簡稱本管理中心)之用戶，係指記載於本管理中心所簽發憑證的憑證主體名稱 (Certificate Subject Name) 的個體，以本管理中心負責簽發公司、分公司、商業、有限合夥及有限合夥分支機構等事業主體憑證而言，用戶就是公司、分公司、商業、有限合夥及有限合夥分支機構等事業主體。

用戶之義務

1. 應遵守本管理中心憑證實務作業基準 (以下簡稱本作業基準) 之規定，並確保所提供申請資料之正確性。
2. 在本管理中心核定憑證申請並簽發憑證後，用戶應依照本作業基準4.3 節規定接受憑證。
3. 用戶在接受本管理中心所簽發之憑證後，即表示已確認憑證內容資訊之正確性，並依照本作業基準1.3.7 節規定使用憑證，如憑證內容資訊有誤，用戶應主動通知本管理中心。
4. 如事業主體已變更名稱或統一編號，依照4.9.1 節規定，本管理中心將逕行廢止憑證，毋須事先經過事業主體同意。
5. 如採用其他符記自行產生金鑰，應依照6.2.1 節規定，慎選安全的電腦環境及符記，如因電腦環境或應用符記本身因素導致信賴憑證者權益受損時，應自行承擔責任。

c. Please remember to select "Non-IC Card" voucher application..

非IC卡申請：填寫申請書

- 1 確認用戶約定條款
- 2 選擇申請項目
- 3 輸入統一編號
- 4 確認登記資料是否正確
- 5 輸入憑證聯絡人資料
- 6 設定用戶代碼
- 7 列印用戶代碼函
- 8 取得繳費資訊
- 9 申請資料填寫完成

選擇申請項目

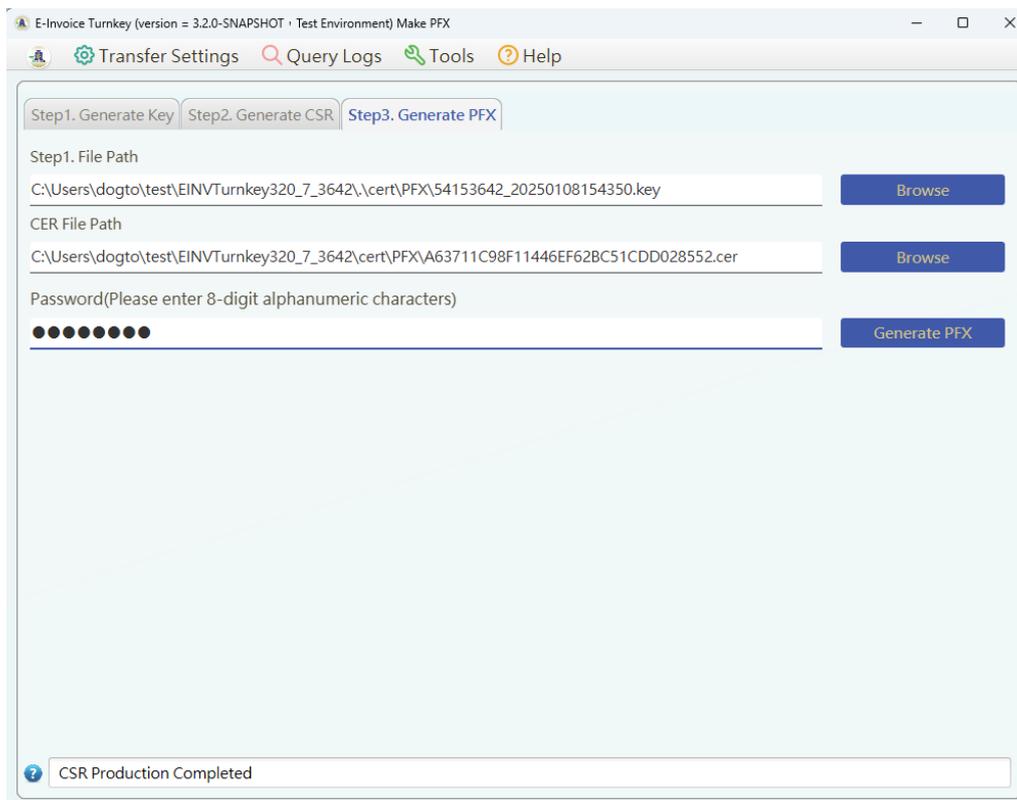
申請卡別及申請方式 *(必填)	<input checked="" type="radio"/> 非IC卡申請(需紙本用印及寄件審核) <input type="radio"/> 正卡申請非IC卡 <input type="radio"/> 負責人自然人憑證申請非IC卡
憑證類別* (必填)	<input checked="" type="radio"/> 公司 <input type="radio"/> 分公司 <input type="radio"/> 商業 <input type="radio"/> 有限合夥 <input type="radio"/> 有限合夥分支機構

[下一頁](#)

d. After the application is approved, you will receive an E-mail notification from the CA Center, please use the original application contact account and the serial number of the

obtained software certificate to download the certificate (CER file) from the original website.

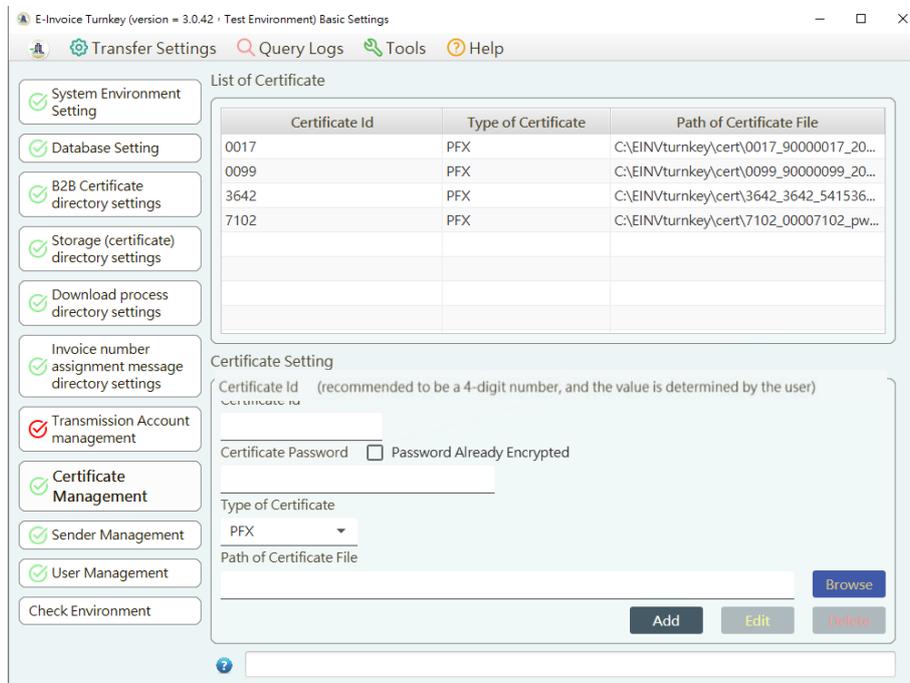
EE. Step 3: Assemble PFX/Certificate”: When you enter “File Path in Step 1”, “File Path for CER” and “Password” to press “Assemble PFX/Certificate”, PFX for the Invoice No. will be produced and the file path will be displayed below.



(2) Register Certificate: Please register software certificate in E-Invoice Platform. Please select CER, and then click “Register Software Certificate”.



- (3) Add Certificate on Turnkey: In System Management> Certificate Management, add the certificate data.



- (4) Create software voucher error messages and how to deal with them:

A. Certificate File (CER) does not match key file: Verify that the key file of the CER file is correct.

B. Incorrect contents of the certificate file (CER) or key file: The documents are corrupted, cannot be merged, and may need to be remade.

C. The content of the certificate file (CER) is incorrect: The

information of the certificate file is damaged, please confirm whether the download is complete.

D. Certificate signature verification failed, please request a new software credential: PFX could not be signed, to be remade.

(XXVII) Goalkeeper

1. Function

(1) Path: Tool > Goalkeeper

Goalkeeper is a function for Goalkeeper Scheduling Settings and QR Code Verification. Which allows user to generate selected report by scheduled time. Users may use generated reports to check the number of uploaded invoices to prevent missed upload.

Goalkeeper function includes 【 Goalkeeper Scheduling Settings】 and 【QR Code Verification】 tabs shown as below:

E-Invoice Turnkey (version = 3.1.0 · Test Environment) Goalkeeper

Transfer Settings Query Logs Tools Help

Goalkeeper Setting QR Code Verification

Enable Goal...

Report Directory C:\EINVturnkey\rpt

Report Schedule Setting

Report Type Turnkey Processing Failure List

Enable Rules

Schedule Time Hour Minute

Report Type	Enable	Schedule Time
Certificate Checklist	Y	09:10

Invoice Transmission Date 2023 yr 10 m 25 d

2. 【Goalkeeper Schedule】 Operating instructions

- (1) Enable goalkeeper: After the setting is enabled, the system will check the report corresponding to the production system at the scheduled time according to the type of enabled report set by the user.
- (2) Report production catalog: This field is required when the goalkeeper is enabled, and can be filled in by the user or click **【Browse】** to select the report production catalog.

(3) Report scheduling settings

A. Report type: There are two categories, each type only provides to set a schedule.

E. Enable rule: When Enable rule is checked, the report will be scheduled for the enabled report only after the schedule is started.

(4) Schedule time: 24-hour clock.

(5) Add operation mode:

Click Report Type and Set Schedule Time, select Enable Rule, and then press the **【Add】** button to save the report schedule setting data.

(6) Edit operation mode:

Users can select a report schedule data in the scheduling list, then click the **【Edit】** button to change the report scheduling data, and then click the **【Save】** button to complete the modification after modification.

When the user presses **【Cancel】** on the report schedule setting page, the system will determine whether the data has been modified, ask the user whether to save it, and leave the setting page if not.

(7) Delete operation mode:

When the user selects a report scheduling data in the schedule list and then presses Delete, the system asks the user to confirm the deletion, and if you press OK, the data will be deleted from the database.

(8) Report printing function:

Report printing function: Users can directly choose to enter a specific invoice transmission date, and then press the report button to be produced **【Certificate Checklist】** , **【Failure List by Turnkey】** to produce the corresponding report data.

3. **【Goalkeeper Schedule Settings】** report type description

Types of Goalkeeper Report are as follow:

- (1) Failure List by Turnkey: Collect Upload Mission, Message Type, Upload Processing Time, Uploaded File Path, and Failure Reason on Turnkey. The list directory refers to the figure below. Invoices didn't transmission to platform. Error invoices should be revise and re-upload to platform, otherwise it will cause missed uploads.

任務	訊息別	上傳處理時間	上傳檔案名稱	失敗原因說明
UpCast	A0101	20221207174346926	VA0101\ERR\20221207\17\v32_A0101_AS00000100.xml	Validate message by xsd fail
Pack	A0101	20221207174457160	BAK\20221207\17\v32_A0101_AS00000100.xml_041330	Cannot call webservice
SendFile	A0101	20221207174457160	ERR\20221207\18\v32_A0101_AS00000100.xml_041330	Cannot call webservice
UpCast	A0101	20221207174457160	BAK\20221207\17\v32_A0101_AS00000100.xml	Cannot call webservice
		total		39

(2) Certificate checklist:

- A. If the "Certificate Checklist" is set in the report schedule, the system will also add the "List of Uploaded Invoices" and "Platform Reply Failure List".

- F. The source of its information is the enhanced statistics of "List of Uploaded Invoices" and "List of Platform Reply Failures", and the Deposit Checklist provides two tabs of "Checklist" and "Deposit Statistics", which are divided according to the sender (If there is a sender in the sender settings that does not transmit the invoice within the statistical invoice transmission date, Turnkey will also generate a certificate checklist with the sender unified transmission quantity of 0).
- G. MIGs E0401 and E0402 are not included in the Certificate Checklist statistics because the platform does not perform data statistics (SummaryResult) on them. Similarly, messages E0501, E0502, E0503, and E0504 are excluded from the statistics as they are merely shared message files for business users to download.
- H. "Checklist": sub-platform side and turnkey side. "Deposit Statistics": counts the number of invoices with successful deposit and the number of invoices for each error code.
- I. Platform side: Count the number of successful and abnormal data storage of the sender's winding code. The SIG block is the number of files received by the statistical platform. The MIG block is the number of invoices received by the statistical platform. For example, if you upload 10 invoices for evidence storage and combine them into one file and upload them to the platform, the statistical data SIG is 1 and MIG is 10. If there is an error in one of the invoices in this upload, 1 SIG, 9 MIG, and 1 MIG will be recorded. If the evidence preservation invoice to which the sender winds the code belongs is not successfully uploaded to the platform, the report will also list the information

that the tracking code has a statistical value of 0 on the platform side (there will be an abnormal number of evidence storage on the turnkey side).

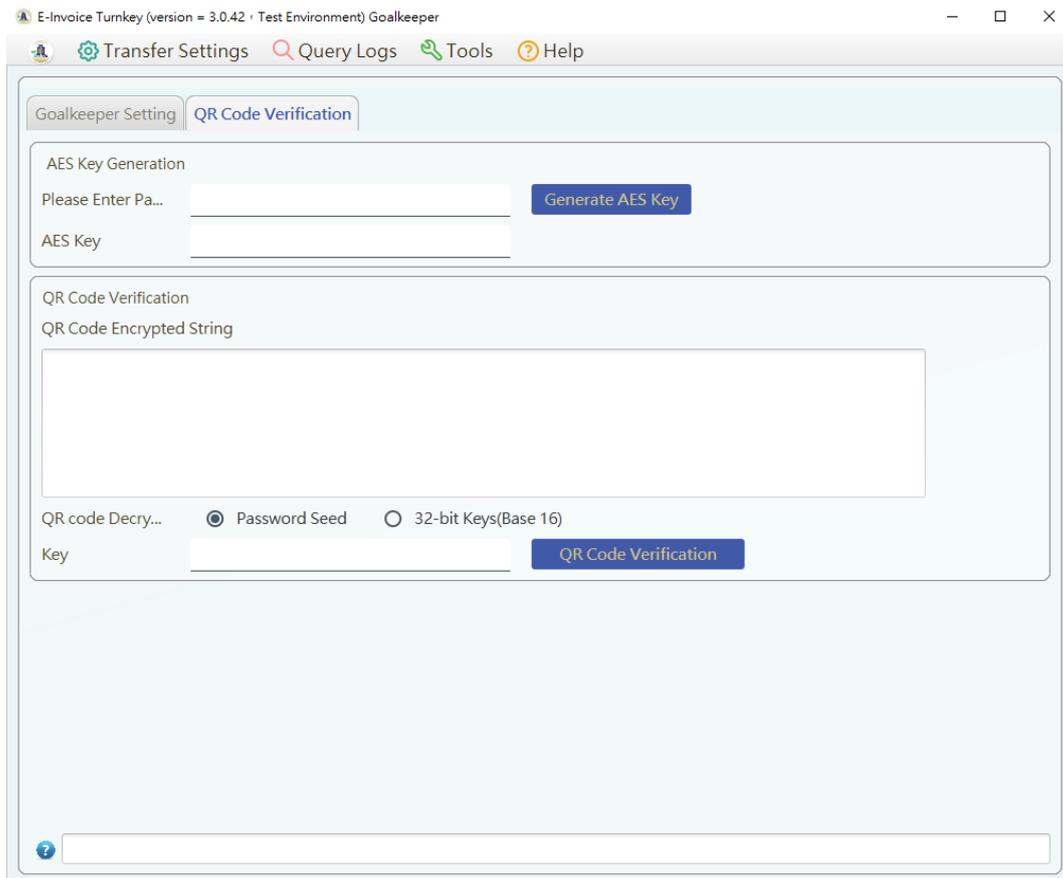
- J. Turnkey side: The source is the Turnkey database. The number of SendFile tasks with the status G of the statistical TURNKEY_MESSAGE_LOG_DETAIL (hereinafter referred to as msgLogDtl) is successfully transmitted, and the number of SendFile tasks with the status of G is counted as uuid (hereinafter referred to as msgLog), and the record file with status C in the uuid statistics TURNKEY_MESSAGE_LOG (hereinafter referred to as msgLog) is used to count the successful or failed invoices merged in msgLog, when one of the invoices fails, the SIG is recorded as a Evidence Exception (SIG).

傳輸日期	訊息數比對	2022/12/07			
送方統編		04133002			
平台端					
送方續送代碼	訊息別	存證成功 (SIG)	存證異常 (SIG)	存證成功 (MIG)	存證異常 (MIG)
PA001005	A0401	1	1	10	1
PA001005	A0101	5	2	5	2
	Total	6	3	15	3

Turnkey端						
送方續送代碼	訊息別	傳輸成功 (SIG)	存證成功 (SIG)	存證異常 (SIG)	存證成功 (MIG)	存證異常 (MIG)
PA001005	A0401	2	2	1	10	1
PA001005	A0101	7	5	13	5	13
	Total	9	7	14	15	14

4. 【QRCode Verification】 Operating instructions

【QRCode Verification】 Provide AES key generation and QRCode verification functions, which is convenient for users to make QRCode and verify the correctness of QRCode production. For details about encryption and decryption, see the platform encryption and decryption API instruction manual.



- (1) AES Key Generation : Enter Password seed, click **【Generate AES Key】** button to generate AES Key.
- (2) QR Code Verification: Enter Encrypted QR Code String, select QR Code Decryption Method and enter the required key into Key input field. Click **【QR Code Verification】** button to check the success or error message displayed as a result for QR code verification.

(XXVIII) File encryption and decryption

1. Function

- (1) Path : Tools > File encryption and decryption

Encryption: The backup file uploaded to the e-invoice platform is encrypted again and stored in the encodeFolder directory of the working directory.

- (2) Decryption: Select the file to be decrypted with the subfile name .encode to perform file decryption.

The screenshot shows a web application window titled "E-Invoice Turnkey (version = 3.1.0 · Test Environment) File Encryption". The interface is divided into two main sections: "Encrypt" and "Decrypt".

Encrypt Section:

- There is a checkbox labeled "Enable File Encryption Backup".
- A text input field labeled "Set Password" is followed by "Submit" and "Cancel" buttons.
- Below this, it states "Encrypted Files Are Stored at Working Path/ encodeFolder".

Decrypt Section:

- A text input field labeled "The Path of the File to be Decrypted" is followed by "Browse" and "Decrypt" buttons.

At the bottom left of the window, there is a small blue question mark icon next to a text input field.

(3) Operations

- A. **【Encryption】**: Select **【Enable Upload File Encryption Backup】**, enter **【Set Password】**, and press the **【OK】** button to save the data to the parameter file.
- K. The files uploaded to the electronic invoice platform will be encrypted into files with the .encode extension and stored in the encodeFolder directory of the working directory.
- L. **【Decryption】**: Press the **【Browse】** button and select the file with the .encode extension. Pressing the **【Perform Decryption】** button will decrypt the file, and the file name .decode will be

stored in the working directory.

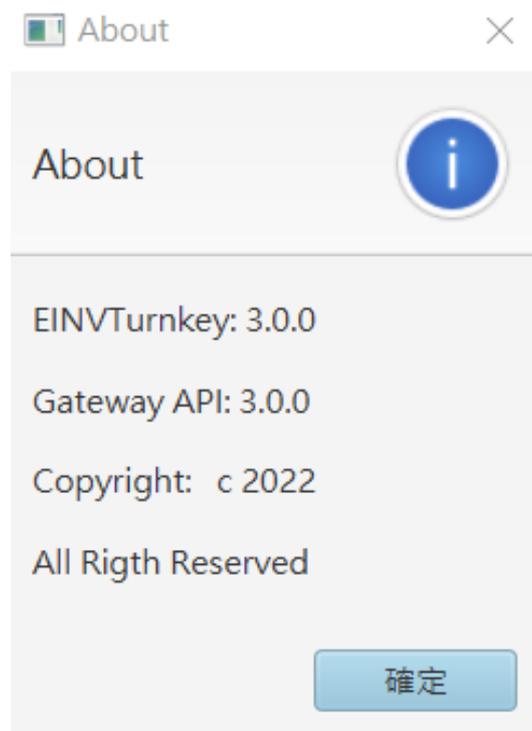
- M. **【Winning Inventory Password】** : Enter the same password as the electronic invoice platform and press the **【OK】** button so that the platform can decrypt the winning register smoothly.

(XXIX) Helper

1. Function

(1) Path : Description > About

About: Displays the Turnkey installation version and the version of the Gateway API.



VI. Text mode Operations

(I) Common function

1. m : Reload menu

- (1) To execute the upload task immediately, the execution status may change over time, you can enter "m" to refresh the status. Please refer to this manual **【VI. 2.(2). v】** .
- (2) Perform the Download Now task, the execution status may change over time, you can enter "M" to refresh the status. Please refer to this manual **【VI. 2.(2). vi】** .
- (3) After starting the schedule, the running status may change over time, you can enter "m" to refresh the status. Please refer to this manual **【VI. 2.(2). vii】** .

2. h : Help

- (1) Execute the upload task now, the execution status may change over time, you can enter "m" to refresh the status. Please refer to this manual **【VI. 2.(2). v】** .
 - A. To access the file encryption and decryption function, please refer to this manual **【VI. 28.(1)】** .
 - B. Enter "h".

```

Location: TOP/Tools/File Encryption
1. Enable File Encryption Backup: [ ]
2. Set Password:
3. Save Encrypted Backup
4. Reset Backup Encryption
5. The Path of the File to be Decrypted:
-- Decrypted file:
7. Decrypt
8. Award List Password:
9. Save Award List Password
10. Reset Award List Password
h. Help
q. Back
Please select an item, or press m to refresh menu: h

```

C. Displays instructions for using the specified function.

```

Main functions: Set file encryption and winning list password, and provide file decryption.
Details:
1. Encryption: Encrypt the files that have been processed by uploading, encapsulating and transferring files, and store them in the encodeFolder directory of the working directory.
2. Decryption: Select the file to be decrypted and the extension name is .encode, the decrypted file will be stored in the decodeFolder directory of the working directory.
3. Password for the winning list: The electronic invoice integration service platform provides a password for setting the winning list. If an invoice is issued to win the lottery, this password will be used as the password for the winning list. If the winning list password is set on the platform, the Turnkey terminal must set the same password as the platform to decrypt successfully. If both parties are not set, the default password will be used for encryption and decryption.
Instructions:
1. [Encryption]: Check [Enable upload file encryption backup], enter [Set password], and press [OK] button, the system will encrypt the password and store it in the parameter file. Subsequent files for uploading, encapsulating and transferring files will be encrypted and backed up as files with the extension .encode, and stored in the encodeFolder directory of the working directory.
2. [Decryption]: Click [Browse], select the file whose extension name is .encode, and press the [Execute Decryption] button, the system will decrypt the specified file. After decryption, the extension name is .decode, and it will be stored in the working directory. under the decodeFolder directory.
3. [Winning List Password]: Enter the same password as the electronic invoice integration service platform, and press the [OK] button, so that the platform can successfully decrypt the winning list message when sending it. If the settings are not set or cleared, the default password will be used for decryption.

```

3. q : Back

(1) Menus and functions have a hierarchical concept, if you need to go back to the upper level to perform other actions, you can enter "q" to achieve the effect. This example demonstrates how to self-schedule the setting - set the scheduling function and return to the vertex menu.

A. To go to Schedule Settings - Set Scheduling Function, please refer to this manual **【VI.2.(1)】** ◦

B. Enter "q" to return to the schedule setting function.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule
1. List all schedules
2. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: q
```

C. Enter "q" to return to the transmission settings menu.

```
Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: q
```

D. Enter "q" to return to Top.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: q
```

E. Display current location.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu:
```

(II) Scheduling settings

1. Path: Transfer settings > Scheduling settings

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter "1" to enter the schedule settings..

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 1
```

2. Functional operation instructions

- (1) Query Schedules

- A. Enter "1" to enter the setting scheduling function.

```
Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

- B. Enter "1" to query all current schedules.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule
1. List all schedules
2. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 1

```

C. Displays the query results.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/List all schedules
1. D:Transfer File No FIX 1,2,3,4,5,6,7 01:01
2. A:Download Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
3. U:Pack No PERIOD 1,2,3,4,5,6,7 01:01
4. D:Receive File No PERIOD 1,2,3,4,5,6,7 01:01
5. U:Send File No PERIOD 1,2,3,4,5,6,7 01:01
6. D:Unpack No FIX 1,2,3,4,5,6,7 12:30
7. U:Upcast No PERIOD 1,2,3,4,5,6,7 00:01 00:01,23:55
8. A:Upload Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
q. Back
Please select an item, or press m to refresh menu:

```

(2) Add Schedule.

A. Enter "1" to enter the setting scheduling function.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

B. Enter "2" to add a new schedule

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule
1. List all schedules
2. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 2

```

C. Enter "1" to select a task.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. Task: 0:Clearing Task
2. Enable: [X]
3. Type: PERIOD
4. Day
--. Time(e.g.15:00)
6. Period(e.g.00:05):
7. Range(e.g.00:00)
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 1

```

- D. Enter the task code to be added. In this example, enter "2" to add an upload packaging task..

```

Setting items: Task
Current settings: U:Upcast
1. *U:Upcast
2. U:Pack
3. U:Send File
4. D:Receive File
5. D:Unpack
6. D:Transfer File
7. A:Upload Invoice
8. A:Download Invoice
9. 0:Clearing Task
Change settings: 2|

```

- E. When adding a task, it is enabled by default, if you want to deactivate, enter "2"

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. *Task: U:Pack
2. Enable: [X]
3. Type: PERIOD
4. Day
--. Time(e.g.15:00)
6. Period(e.g.00:05):
7. Range(e.g.00:00)
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 2|

```

- F. Enter "3" to select the scheduling type.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. *Task: U:Pack
2. Enable: [X]
3. Type: PERIOD
4. Day
--. Time(e.g.15:00)
6. Period(e.g.00:05):
7. Range(e.g.00:00)
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 3

```

G. Enter the type of schedule you want to use, in this example, enter "1" as the interval.

```

Setting items: Type
Current settings: PERIOD
1. *PERIOD
2. FIX
Change settings: 1

```

H. Enter "4" to select the day of the week on which the schedule is executed

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. *Task: U:Pack
2. Enable: [X]
3. Type: PERIOD
4. Day
--. Time(e.g.15:00)
6. Period(e.g.00:05):
7. Range(e.g.00:00)
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 4

```

I. Enter the week you want to execute, in this example, enter "8" to check Daily

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule/Day
1. Monday: [ ]
2. Tuesday: [ ]
3. Wednesday: [ ]
4. Thursday: [ ]
5. Friday: [ ]
6. Saturday: [ ]
7. Sunday: [ ]
8. All: [ ]
q. Back
Please select an item, or press m to refresh menu: 8

```

- J. The current selection week will be displayed, and the editor will finish typing "q" back to the upper level.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule/Day
1. *Monday: [X]
2. *Tuesday: [X]
3. *Wednesday: [X]
4. *Thursday: [X]
5. *Friday: [X]
6. *Saturday: [X]
7. *Sunday: [X]
8. *All: [X]
q. Back
Please select an item, or press m to refresh menu: q
```

- K. Enter "6" to set how often the schedule interval is executed.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. *Task: U:Pack
2. Enable: [X]
3. Type: PERIOD
4. *Day: 1,2,3,4,5,6,7
-- Time(e.g.15:00)
6. Period(e.g.00:05):
7. Range(e.g.00:00)
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 6
```

- L. Enter the interval, in this case "00:05" means every 5 minutes.

```
Setting items: Period(e.g.00:05)
Current settings:
Change settings: 00:05
```

M. Enter the "7" setting schedule within which it is expected to be executed.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. *Task: U:Pack
2. Enable: [X]
3. Type: PERIOD
4. *Day: 1,2,3,4,5,6,7
--. Time(e.g.15:00)
6. *Period(e.g.00:05): 05:00
7. Range(e.g.00:00)
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 7|
```

N. Enter "1" to configure the start time.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule/Range(e.g.00:00)
1. begin:
2. End:
q. Back
Please select an item, or press m to refresh menu: 1
```

O. Enter the start time, in this case "00:00".

```
Setting items: begin
Current settings:
Change settings: 00:00
```

P. Enter "2" to set the end time.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule/Range(e.g.00:00)
1. *begin: 00:00
2. End:
q. Back
Please select an item, or press m to refresh menu: 2
```

Q. Enter the end time, in this case enter "23:59".

```
Setting items: End
Current settings:
Change settings: 23:59
```

- R. After confirming the start and end time, enter "q" to return to the upper layer.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule/Range(e.g.00:00)
1. *begin: 00:00
2. *End: 23:59
q. Back
Please select an item, or press m to refresh menu: q
```

- S. Enter "8" to perform the save.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. Task: 0:Clearing Task
2. *Enable: [ ]
3. Type: PERIOD
4. *Day: 1,2,3,4,5,6,7
-- Time(e.g.15:00)
6. *Period(e.g.00:05): 00:05
7. *Range(e.g.00:00): 00:00,23:59
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 8
Save Success
```

- T. Displays a processing result message.

```
Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Add Schedule
1. Task: 0:Clearing Task
2. *Enable: [ ]
3. Type: PERIOD
4. *Day: 1,2,3,4,5,6,7
-- Time(e.g.15:00)
6. *Period(e.g.00:05): 00:05
7. *Range(e.g.00:00): 00:00,23:59
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 8
Save Success
```

(3) Editor Schedule.

- A. Enter "1" to enter the setting scheduling function.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

B. Enter "3" to edit the schedule.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule
1. List all schedules
2. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 3

```

C. Enter the schedule number you want to edit, in this example, enter "7" to edit the upload package.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Edit Schedule
1. D:Transfer File No FIX 1,2,3,4,5,6,7 01:01
2. A:Download Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
3. U:Pack No PERIOD 1,2,3,4,5,6,7 01:01
4. D:Receive File No PERIOD 1,2,3,4,5,6,7 01:01
5. U:Send File No PERIOD 1,2,3,4,5,6,7 01:01
6. D:Unpack No FIX 1,2,3,4,5,6,7 12:30
7. U:Upcast No PERIOD 1,2,3,4,5,6,7 00:01 00:01,23:55
8. A:Upload Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
q. Back
Please select an item, or press m to refresh menu: 7

```

D. For editing methods, please refer to 2. Add schedule, enter "8" to save after editing.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Edit Schedule/Edit Schedule[U:Upcast]
--. Task: U:Upcast
2. Enable: [ ]
3. Type: PERIOD
4. Day: 1,2,3,4,5,6,7
--. Time(e.g.15:00)
6. Period(e.g.00:05): 00:01
7. Range(e.g.00:00): 00:01,23:55
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 8

```

E. displays the processing result message.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Edit Schedule/Edit Schedule[U:Upcast]
--. Task: U:Upcast
2. Enable: [ 1 ]
3. Type: PERIOD
4. Day: 1,2,3,4,5,6,7
--. Time(e.g.15:00)
6. Period(e.g.00:05): 00:01
7. Range(e.g.00:00): 00:01,23:55
8. Save
9. Reset
q. Back
Please select an item, or press m to refresh menu: 8
Save Success

```

(4) Delete Schedule.

A. Enter "1" to enter the setting scheduling function.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

B. Enter "4" to delete the schedule.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule
1. List all schedules
2. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 4

```

C. Enter the number of the task to be deleted, in this example, enter "7" to delete the upload package.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Delete Schedule
1. D:Transfer File No FIX 1,2,3,4,5,6,7 01:01
2. A:Download Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
3. U:Pack No PERIOD 1,2,3,4,5,6,7 01:01
4. D:Receive File No PERIOD 1,2,3,4,5,6,7 01:01
5. U:Send File No PERIOD 1,2,3,4,5,6,7 01:01
6. D:Unpack No FIX 1,2,3,4,5,6,7 12:30
7. U:Upcast No PERIOD 1,2,3,4,5,6,7 00:01,23:55
8. A:Upload Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
q. Back
Please select an item, or press m to refresh menu: 7

```

D. displays the processing result message.

```

Location: TOP/Transfer Settings/Scheduling Settings/Set Schedule/Delete Schedule
1. D:Transfer File No FIX 1,2,3,4,5,6,7 01:01
2. A:Download Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
3. U:Pack No PERIOD 1,2,3,4,5,6,7 01:01
4. D:Receive File No PERIOD 1,2,3,4,5,6,7 01:01
5. U:Send File No PERIOD 1,2,3,4,5,6,7 01:01
6. D:Unpack No FIX 1,2,3,4,5,6,7 12:30
7. U:Upcast No PERIOD 1,2,3,4,5,6,7 00:01 00:01,23:55
8. A:Upload Invoice Yes PERIOD 1,2,3,4,5,6,7 00:02
q. Back
Please select an item, or press m to refresh menu: 7
Delete Success

```

(5) Upload immediately

- A. Enter "2" to perform the immediate upload action, which means upload transcode, upload encapsulation and transfer file.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 2|

```

- B. Through the execution status "Upload Now", you know that the immediate upload job is currently executing. Enter "m" to refresh the menu and confirm the scheduling status.

```

Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Upload immediately
h. Help
q. Back
Please select an item, or press m to refresh menu: m

```

- C. The execution status is "idle", which means that the upload job has ended immediately.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: |

```

D. After updating to Turnkey version 3.2.0, the directory settings cannot be transferred unless they are updated to version v41.

```

Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Upload immediately
h. Help
q. Back
Please select an item, or press m to refresh menu: 2025/01/08 17:02:05 UpCast [INFO] beginMark [Job begin]
2025/01/08 17:02:05 UpCast [ERROR] LoadTaskConfig [TKY3.2.0 version only supports v4.1, please update the message versio
n to v4.1]

```

(6) Download immediately

E. Enter "3" to perform the immediate download action, which means receiving files, downloading unpacking, and downloading files.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 3

```

F. Through the execution status "Download Now", you know that the download now job is currently executing. Enter "m" to refresh the menu and confirm the scheduling status.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Download immediately
h. Help
q. Back
Please select an item, or press m to refresh menu: m

```

G. The execution status is "idle", which means that the download job has ended immediately.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: |

```

H. After updating to Turnkey version 3.2.0, the directory settings cannot be transferred unless they are updated to version v41.

```

Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Download immediately
h. Help
q. Back
Please select an item, or press m to refresh menu: 2025/01/08 17:08:30 ReceiveFile [INFO] beginMark [Job begin]
2025/01/08 17:08:30 ReceiveFile [ERROR] loadTaskConfig [TKY3.2.0 version only supports v4.1, please update the message v
ersion to v4.1]

```

(7) Schedule Works Start

A. Enter "4" to start the plan, and the system will execute the task according to the set time.

```

Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: 4|

```

- B. Know that it is currently in the startup state by the execution status "Scheduled Execution". You can enter "m" to refresh the menu to confirm the scheduling status.

```

Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Scheduled execution
h. Help
q. Back
Please select an item, or press m to refresh menu: m

```

- C. Display according to current status.

```

Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Scheduled execution
h. Help
q. Back
Please select an item, or press m to refresh menu: |

```

- D. After updating to Turnkey version 3.2.0, the directory settings cannot be transferred unless they are updated to version v41.

```

Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Scheduled execution
h. Help
q. Back
Please select an item, or press m to refresh menu: 2025/01/08 17:13:39 Pack [INFO] beginMark [Job begin]
2025/01/08 17:13:39 Pack [ERROR] loadTaskConfig [TKY3.2.0 version only supports v4.1, please update the message version
to v4.1]

```

(8) Schedule Terminating

- A. Press Upload Now or Download Now, enter "5" to interrupt the action when you need to stop on the way; After the plan starts, you can also enter 5 to stop the plan. The schedule will finish the current task file after processing it to avoid losing the file.

```
Location: TOP/Transfer Settings/Scheduling Settings
--. Set Schedule
--. Upload immediately
--. Download immediately
--. Schedule Works Start
5. Stop
--. Executing Status: Scheduled execution
h. Help
q. Back
Please select an item, or press m to refresh menu: 5
```

- B. Display according to current status.

```
Location: TOP/Transfer Settings/Scheduling Settings
1. Set Schedule
2. Upload immediately
3. Download immediately
4. Schedule Works Start
--. Stop
--. Executing Status: Idle
h. Help
q. Back
Please select an item, or press m to refresh menu: |
```

(9) Schedule Log

Please refer to this manual **【VI.3】** .

(III) Schedule Logs

1. Path: Transfer Settings > Scheduling settings.

- (1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "1" to enter the schedule settings..

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 1
```

2. Functional operation instructions

(1) Query schedule logs

A. The execution record is automatically displayed during execution.

You can enter m to re-enter the status during execution.

```
Please select an item, or press m to refresh menu: 2025/01/08 17:26:18 UpCast [INFO] beginMark [Job begin]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0101 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0102 開始]
2025/01/08 17:26:18 ReceiveFile [INFO] beginMark [Job begin]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0201 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0202 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0301 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0302 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 B0101 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 B0102 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 B0201 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 B0202 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 E0401 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 E0402 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0401 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0501 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 A0601 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 B0401 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 B0501 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 C0401 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 C0501 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 C0701 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 D0401 開始]
2025/01/08 17:26:18 UpCast [INFO] beginMark [處理 D0501 開始]
2025/01/08 17:26:18 UpCast [INFO] endMark [Job end]
```

(IV) System Environment Settings - System Settings

1. Path: Transfer Settings > Basic Settings > System Environment Settings.

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "2" to enter the basic settings.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

(3) Enter "1" to enter the system environment settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 1
```

(4) Enter "1" to enter the system settings.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting
1. System Setting
2. Notification Setting
3. Working Path
4. Turnkey Start Password
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

2. Functional operation instructions

(1) Edit the message monitoring file name.

- Enter "1".

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

(2) Enter the location and file name of the message monitoring file.

```
Setting items: File Name of Turnkey Monitoring Log
Current settings: C:\NEWTurnkey\log\Turnkey.log
Change settings: C:\NEWTurnkey\log\Turnkeytest.log
```

(3) Select the execution environment.

- Enter "2".

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

(4) Enter the environment code you want to use, in this case, enter "1" for the official environment.

```
Setting items: Working Environment
Current settings: Test Environment
1. Production Environment
2. *Test Environment
Change settings: 1
```

(5) Select the system display Language.

- Enter "3".

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

- (6) Enter the code of the language you want to use, in this example, enter "2" in English.

```
Setting items: Language
Current settings: English
1. Chinese
2. *English
Change settings: 2
```

- (7) Enter 4 set the number of days to retain data, which is 30 days by default.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

- (8) Enter the days.

```
Setting items: Days of data retention
Current settings: 30
Change settings: 30
```

- (9) Enter "5" to set whether the Log only records the failure details (not enabled by default, enable this option, the message record details file will only record the content related to the invoice upload and download error tasks).

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 5
```

- (10) Enter "6" to set whether to backup and upload intermediate files (enabled by default, enable to back up the files processed when uploading and encapsulating invoices and transmitting files to the BAK directory).

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 6
```

- (11) Enter "7" to edit and save.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 7
```

- (12) displays the saved results.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 7
Save Success

```

(13) Enter "8" to reset.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu: 8

```

(14) The system will not save the data, and the reread configuration file displays the results.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/System Setting
1. File Name of Turnkey Monitoring Log: C:\NEWTurnkey\log\Turnkey.log
2. Working Environment: Test Environment
3. Language: English
4. Days of data retention: 30
5. DB Only Record Fail Message Detail: [ ]
6. Backup Upload Medium File: [X]
7. Save
8. Reset
q. Back
Please select an item, or press m to refresh menu:

```

(V) System Environment Settings - Notification Settings

1. Path: Transfer Settings > Basic Settings > System Environment Settings.

(1) Enter "1" to enter the transfer settings menu.

```

Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1

```

- (2) Enter "2" to enter the basic settings.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter "1" to enter the system environment settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 1
```

- (4) Enter "2" to enter the notification settings

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting
1. System Setting
2. Notification Setting
3. Working Path
4. Turnkey Start Password
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

2. Functional operation instructions

- (1) Enter "1" to edit the Turnkey codename.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 1

```

(2) Enter codename.

```

Setting items: Turnkey ID
Current settings: EINVTurnkey
Change settings: NEW_EINVTurnkey

```

(3) Enter "2" to set whether to send an email notification when an event occurs.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 2

```

(4) Enter "3" to set the email address of the notification sender.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 3

```

- (5) Enter the sender's email address.

```

Setting items: Sender Mail Address
Current settings:
Change settings: test@gmail.com

```

- (6) Enter "4" to set the email address of the notification recipient.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 4

```

- (7) Enter the recipient's email address(multiple groups of recipient email addresses can be separated by semicolons, and the second group of future emails will be sent as copies).

```

Setting items: Receiver Mail Address
Current settings:
Change settings: test@test.com.tw

```

- (8) Enter "5" to set the email server to send the email.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: E1NVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 5

```

(9) Enter the Mailbox server.

```

Setting items: Mail Host Server
Current settings:
Change settings: test.com.tw

```

(10) If you want to specify port, enter "6" to edit.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: E1NVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 6

```

(11) Enter the port number, the TLS port number can be set to 587.

```

Setting items: Mail Port
Current settings:
Change settings: 25

```

(12) If the mail server requires an account password, enter "7" to enable it.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 7
```

(13) Enter "8" to set the server account

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 8
```

(14) Enter the account.

```
Setting items: Account
Current settings:
Change settings: turnkey
```

(15) Enter the password corresponding to the account specified by "9"
Edit Server.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 9

```

(16) Enter the password and confirm it again.

```

Setting items: Password
Current settings:
Change password:
Double confirm:

```

(17) Enter "10" to set the notification period.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 10

```

(18) Enter the notification period you want to set, in this example, enter "00:10" to check every 10 minutes if an event needs to be sent.

```

Setting items: Cycle of Notification
Current settings: 00:01
Change settings: 00:10

```

(19) If you want to display the default text for the email, enter "11" to enable the setting.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINWTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 11
```

(20) Enter the default text for sending emails when the "12" editing program stops.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINWTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 12
```

(21) Enter the default text for sending messages when the program stops.

```
Setting items: Mail On Exit
Current settings:
Change settings: exception
```

(22) Enter "13" to edit the default text of the email sent when an event occurs in the system.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 13

```

(23) Enter the default text for sending emails when system events occur.

```

Setting items: Mail on System Event
Current settings:
Change settings: system error

```

(24) Enter "14" to edit the default text of the email when the monitoring is abnormal.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 14

```

(25) Enter the default text for sending emails when monitoring exceptions.

```

Setting items: Mail On Monitor Error
Current settings:
Change settings: monitor error

```

(26) Enter the "15" setting to send notification log files.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 15

```

(27) Enter the location and file name of the log file for sending notifications.

```

Setting items: Notification Log
Current settings: C:\NEWTurnkey\log\Turnkey_mail.log
Change settings: C:\NEWTurnkey\log\Turnkey_mail.log

```

(28) After editing, enter "16" to save.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. *Turnkey ID: NEW_EINVTurnkey
2. Enable Mail Notification: [ ]
3. *Sender Mail Address: test@gmail.com
4. *Receiver Mail Address: test@test.com.tw
5. *Mail Host Server: test.com.tw
6. *Mail Port: 25
7. Account and Password Needed: [ ]
8. *Account: turnkey
9. *Password: *****
10. *Cycle of Notification: 00:10
11. Use Default Text: [ ]
12. *Mail On Exit: exception
13. *Mail on System Event: system error
14. *Mail On Monitor Error: monitor error
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 16

```

(29) displays the stored results.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: NEW_EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address: test@gmail.com
4. Receiver Mail Address: test@test.com.tw
5. Mail Host Server: test.com.tw
6. Mail Port: 25
7. Account and Password Needed: [ ]
8. Account: turnkey
9. Password: *****
10. Cycle of Notification: 00:10
11. Use Default Text: [ ]
12. Mail On Exit: exception
13. Mail on System Event: system error
14. Mail On Monitor Error: monitor error
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu:

```

(30) If you want to reset the information after modifying the contents, enter "17".

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. *Account and Password Needed: [X]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu: 17

```

(31) The system will not save the data, reread the configuration file to display the results.

```

Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Notification Setting
1. Turnkey ID: EINVTurnkey
2. Enable Mail Notification: [ ]
3. Sender Mail Address:
4. Receiver Mail Address:
5. Mail Host Server:
6. Mail Port:
7. Account and Password Needed: [ ]
8. Account:
9. Password:
10. Cycle of Notification: 00:01
11. Use Default Text: [ ]
12. Mail On Exit:
13. Mail on System Event:
14. Mail On Monitor Error:
15. Notification Log: C:\NEWTurnkey\log\Turnkey_mail.log
16. Save
17. Reset
q. Back
Please select an item, or press m to refresh menu:

```

(VI) System Environment Settings - Working Directory

1. Path: Transfer Settings > Basic Settings > System Environment Settings

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "2" to enter the basic settings.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

(3) Enter "1" to enter the system environment settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 1
```

(4) Enter 3 to enter the working directory.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting
1. System Setting
2. Notification Setting
3. Working Path
4. Turnkey Start Password
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

2. Functional operation instructions

- (1) Enter "1" to set the working directory.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Working Path
1. Default Working Folder: C:\NEWTurnkey
2. Save
3. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

- (2) Enter the working directory address.

```
Setting items: Default Working Folder
Current settings: C:\NEWTurnkey
Change settings: C:\NEWTurnkey
```

- (3) Enter "2" to save after editing.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Working Path
1. Default Working Folder: C:\NEWTurnkey
2. Save
3. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

- (4) The system displays the saved results.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Working Path
1. Default Working Folder: C:\NEWTurnkey
2. Save
3. Reset
q. Back
Please select an item, or press m to refresh menu:
```

- (5) If you want to reset the data after modifying the contents, enter "3".

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Working Path
1. Default Working Folder: C:\NEWTurnkey
2. Save
3. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

- (6) The system will not save the data, reread the configuration file to

display the results.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Working Path
1. Default Working Folder: C:\NEWTurnkey
2. Save
3. Reset
q. Back
Please select an item, or press m to refresh menu:
```

(VII) System Environment Settings - Enable Password

1. Path: Transfer Settings > Basic Settings > System Environment Settings.

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "2" to enter the basic settings.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

(3) Enter "1" to enter the system environment settings

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 1
```

- (4) Enter "4" to enter the activation password.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting
1. System Setting
2. Notification Setting
3. Working Path
4. Turnkey Start Password
h. Help
q. Back
Please select an item, or press m to refresh menu: 4
```

2. Functional operation instructions

- (1) Add a startup password

- A. Enter "1" to enable the startup password.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [ ]
2. (Old)Start Password:
3. (New)Start Password:
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

- B. Enter "3" to set the startup password.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [X]
2. (Old)Start Password:
3. (New)Start Password:
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

- C. Enter the startup password you want to set and confirm it again.

```
Setting items: (New)Start Password
Current settings:
Change password:
Double confirm:
```

- D. Enter "4" to save the startup password settings.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [X]
2. (Old)Start Password:
3. *(New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

E. The system displays the saved results.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [X]
2. (Old)Start Password:
3. *(New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
Save Success
```

(2) Edit the startup password

A. Enter "2" to type the original startup password.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [X]
2. (Old)Start Password:
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

B. Enter the original startup password and confirm it again.

```
Setting items: (Old)Start Password
Current settings:
Change password:
Double confirm:
```

C. Enter "3" to set a new startup password.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [X]
2. *(Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

D. Enter a new startup password and confirm it again.

```
Setting items: (New)Start Password
Current settings: *****
Change password:
Double confirm:
```

E. Enter "4" to save the action.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [X]
2. *(Old)Start Password: *****
3. *(New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

F. The system displays the saved results.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [X]
2. *(Old)Start Password: *****
3. *(New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
Save Success
```

(3) Unenable the startup password

A. Enter "1" to unenable.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [X]
2. (Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter "2" to type the original startup password.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [ ]
2. (Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

C. Enter the original startup password and confirm it again.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [ ]
2. (Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: (Old)Start Password
Current settings: *****
Change password:
Double confirm:
```

D. Enter "4" to save the action.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [ ]
2. *(Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

E. The system displays the saved results.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [ ]
2. *(Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
Save Success
```

(4) Reset

A. If you want to reset the content after modifying the content, enter "5".

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. *Enable Start Password: [X]
2. (Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 5
```

B. The system will not save the data, reread the configuration file to display the results.

```
Location: TOP/Transfer Settings/Basic Settings/System Environment Setting/Turnkey Start Password
1. Enable Start Password: [ ]
2. (Old)Start Password: *****
3. (New)Start Password: *****
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu:
```

(VIII) B2B exchange directory descriptions

1. Path: Transfer Settings > Basic Settings > B2B exchange directory settings

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

(3) Enter "3" to enter the B2B exchange directory settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 3
```

2. Functional operation instructions

(1) Save

A. Enter "1" to enter the directory of setting upload and transcoding sources

```
Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. Upload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2BEXCHANGE
2. Upload pack source directory: C:\EINVTurnkey202_64\Pack\B2BEXCHANGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BEXCHANGE
4. Source message version: v3.1.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter the source directory of the upload and transcoding source

```
Setting items: Upload conversion source directory
Current settings: C:\EINVTurnkey202_64\UpCast\B2BEXCHANGE
Change settings: C:\EINVTurnkey202_64_TEST\UpCast\B2BEXCHANGE
```

C. Enter "2" to enter the directory of setting the source of the upload package

```
Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. *Upload conversion source directory: C:\EINVTurnkey202_64_TEST\UpCast\B2BEXCHANGE
2. Upload pack source directory: C:\EINVTurnkey202_64\Pack\B2BEXCHANGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BEXCHANGE
4. Source message version: v3.1.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

D. Enter the source directory of the upload package

```
Setting items: Upload pack source directory
Current settings: C:\EINVTurnkey202_64\Pack\B2BEXCHANGE
Change settings: C:\EINVTurnkey202_64_TEST\Pack\B2BEXCHANGE
```

E. Enter "3" to enter the source directory of the setting transfer file

```
Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. *Upload conversion source directory: C:\EINVTurnkey202_64_TEST\UpCast\B2BEXCHANGE
2. *Upload pack source directory: C:\EINVTurnkey202_64_TEST\Pack\B2BEXCHANGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BEXCHANGE
4. Source message version: v3.1.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

F. Enter the source directory for the transfer file

```
Setting items: Transmit file source directory
Current settings: C:\EINVTurnkey202_64\SendFile\B2BEXCHANGE
Change settings: C:\EINVTurnkey202_64_TEST\SendFile\B2BEXCHANGE
```

G. Enter "4" to enter the configuration source message version

```

Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. *Upload conversion source directory: C:\EINVTurnkey202_64_TEST\UpCast\B2BEXCHANGE
2. *Upload pack source directory: C:\EINVTurnkey202_64_TEST\Pack\B2BEXCHANGE
3. *Transmit file source directory: C:\EINVTurnkey202_64_TEST\SendFile\B2BEXCHANGE
4. Source message version: v3.1.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 4

```

H. Enter the source message version

```

Setting items: Source message version
Current settings: v3.1.2
1. *v3.1.2
2. v3.2
3. v4.0
Change settings: 2

```

I. After editing, enter "5" to save

```

Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. *Upload conversion source directory: C:\EINVTurnkey202_64_TEST\UpCast\B2BEXCHANGE
2. *Upload pack source directory: C:\EINVTurnkey202_64_TEST\Pack\B2BEXCHANGE
3. *Transmit file source directory: C:\EINVTurnkey202_64_TEST\SendFile\B2BEXCHANGE
4. *Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 5

```

J. The system shows that the storage was successful

```

Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. Upload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2BEXCHANGE
2. Upload pack source directory: C:\EINVTurnkey202_64\Pack\B2BEXCHANGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BEXCHANGE
4. Source message version: v3.1.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 5
Save Success

```

K. Versions after Turnkey 3.2.0 do not support setting up certificates before version 4.0.

```

Please select an item, or press m to refresh menu: 5
Setting items: Source message version
Current settings:
1. v4.1
Change settings: |

```

- L. After updating to Turnkey version 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following prompt will appear.

```
Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
--. TKY3.2.0 version only supports v4.1, please update the message version to v4.1
2. Upload conversion source directory: .\UpCast\B2BEXCHANGE
3. Upload pack source directory: .\Pack\B2BEXCHANGE
4. Transmit file source directory: .\SendFile\B2BEXCHANGE
5. Source message version:
6. Save
7. Reset
h. Help
q. Back
```

(2) Reset

- A. If you want to reset the contents after modifying the contents, enter "6".

```
Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. *Upload conversion source directory: C:\BINVTurnkey202_64_TEST\UpCast\B2BEXCHANGE
2. *Upload pack source directory: C:\BINVTurnkey202_64_TEST\Pack\B2BEXCHANGE
3. *Transmit file source directory: C:\BINVTurnkey202_64_TBST\SendFile\B2BEXCHANGE
4. *Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 6
```

- B. The system will not save the data and restore the default.

```
Location: TOP/Transfer Settings/Basic Settings/B2B Certificate directory settings
1. Upload conversion source directory: C:\BINVTurnkey202_64\UpCast\B2BEXCHANGE
2. Upload pack source directory: C:\BINVTurnkey202_64\Pack\B2BEXCHANGE
3. Transmit file source directory: C:\BINVTurnkey202_64\SendFile\B2BEXCHANGE
4. Source message version: v3.1.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(IX) B2S Certificate directory settings

1. Path: Transfer Settings > Basic Settings > Certificate directory settings

- (1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter “2” to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter “4” to enter the deposit directory settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 4
```

2. Functional operation instructions

- (1) Save

- A. Enter “1” to enter the configuration source message version

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. B2SUpload conversion source directory: .\UpCast\B2SSTORAGE
9. B2SUpload pack source directory: .\Pack\B2SSTORAGE
10. B2STransmit file source directory: .\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 1|

```

B. Set the source message version

```

Please select an item, or press m to refresh menu: 1
Setting items: Source message version
Current settings: v4.1
1. *v4.1
Change settings: |

```

C. Enter “8” to enter the directory of the source directory of setting upload and transcoding

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. B2SUpload conversion source directory: .\UpCast\B2SSTORAGE
9. B2SUpload pack source directory: .\Pack\B2SSTORAGE
10. B2STransmit file source directory: .\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 8|

```

D. Set the new upload and transcoding source directory

```

Please select an item, or press m to refresh menu: 8
Setting items: B2SUpload conversion source directory
Current settings: .\UpCast\B2SSTORAGE
Change settings: .\XML\UpCast\B2SSTORAGE

```

E. Enter “9” to enter the directory where the package is set to upload

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. *B2SUpload conversion source directory: .\XML\UpCast\B2SSTORAGE
9. B2SUpload pack source directory: .\Pack\B2SSTORAGE
10. B2STransmit file source directory: .\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 9|

```

F. Set the new upload package source directory

```

Please select an item, or press m to refresh menu: 9
Setting items: B2SUpload pack source directory
Current settings: .\Pack\B2SSTORAGE
Change settings: .\XML\Pack\B2SSTORAGE

```

G. Enter “10” to enter the source directory of the setting transfer file

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. *B2SUpload conversion source directory: .\XML\UpCast\B2SSTORAGE
9. *B2SUpload pack source directory: .\XML\Pack\B2SSTORAGE
10. B2STransmit file source directory: .\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 10

```

H. Set the source directory for new transfer files

```

Please select an item, or press m to refresh menu: 10
Setting items: B2STransmit file source directory
Current settings: .\SendFile\B2SSTORAGE
Change settings: .\XML\SendFile\B2SSTORAGE|

```

I. Enter “11” to save the editing updates

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. *B2SUpload conversion source directory: .\XML\UpCast\B2SSTORAGE
9. *B2SUpload pack source directory: .\XML\Pack\B2SSTORAGE
10. *B2STransmit file source directory: .\XML\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 11|

```

J. Displays that the storage is successful

```
Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. *B2SUpload conversion source directory: .\XML\UpCast\B2SSSTORAGE
9. *B2SUpload pack source directory: .\XML\Pack\B2SSSTORAGE
10. *B2STransmit file source directory: .\XML\SendFile\B2SSSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 11
Save Success
```

(2) Reset

A. If you want to reset after modifying the content, enter "12".

```
Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. *B2SUpload conversion source directory: .\UpCast\B2SSSTORAGE\TEST
9. B2SUpload pack source directory: .\XML\Pack\B2SSSTORAGE
10. B2STransmit file source directory: .\XML\SendFile\B2SSSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 12
```

B. The system will not save the data and restore the default.

```
Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v4.1
--. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
--. B2BUpload pack source directory: .\Pack\B2BSTORAGE
--. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
--. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
--. B2CUpload pack source directory: .\Pack\B2CSTORAGE
--. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
8. B2SUpload conversion source directory: .\XML\UpCast\B2SSSTORAGE
9. B2SUpload pack source directory: .\XML\Pack\B2SSSTORAGE
10. B2STransmit file source directory: .\XML\SendFile\B2SSSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(X) B2B certificate directory settings

1. Path: Transfer Settings> Basic Settings > B2B certificate directory settings

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter “2” to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter “4” to enter the deposit directory settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 4
```

2. Functional operation instructions

- (1) Save

- A. Enter “1” to enter the configuration source message version

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

B. Set the source message version

```

Setting items: Source message version
Current settings: v3.2
1. v3.1.2
2. *v3.2
3. v4.0
Change settings: 1

```

C. Enter “2” to enter the directory of the source directory of setting upload and transcoding

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 2

```

D. Set the new upload and transcoding source directory

```

Setting items: B2BUpload conversion source directory
Current settings: C:\EINVTurnkey202_64\UpCast\B2BSTORAGE
Change settings: C:\NEW EINVTurnkey\UpCast\B2BSTORAGE

```

E. Enter “3” to enter the directory where the package is set to upload

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. *B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 3

```

F. Set the new upload package source directory

```

Setting items: B2BUpload pack source directory
Current settings: C:\EINVTurnkey202_64\Pack\B2BSTORAGE
Change settings: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE

```

G. Enter “4” to enter the source directory of the setting transfer file

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. *B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. *B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 4

```

H. Set the source directory for new transfer files

```

Setting items: B2BTransmit file source directory
Current settings: C:\EINVTurnkey202_64\SendFile\B2BSTORAGE
Change settings: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE

```

I. Enter “11” to save the editing updates

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. *B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. *B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. *B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
-- B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
-- B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
-- B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 11

```

J. Displays that the storage is successful

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. *B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. *B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. *B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
-- B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
-- B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
-- B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 11
Save Success

```

K. Versions 3.2.0 and later of Turnkey do not support setting up evidence prior to v4.0

```

Please select an item, or press m to refresh menu: 2
Setting items: Source message version
Current settings:
1. v4.1
Change settings:

```

L. After updating to Turnkey 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following prompt will appear.

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
--. TKY3.2.0 version only supports v4.1, please update the message version to v4.1
 2. Source message version:
 3. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
 4. B2BUpload pack source directory: .\Pack\B2BSTORAGE
 5. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
 6. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
 7. B2CUpload pack source directory: .\Pack\B2CSTORAGE
 8. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: .\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: .\Pack\B2SSTORAGE
--. B2STransmit file source directory: .\SendFile\B2SSTORAGE
12. Save
13. Reset
  h. Help
  q. Back

```

(2) Reset

A. If you want to reset after modifying the content, enter "12".

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
 1. Source message version: v3.2
 2. *B2BUpload conversion source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE_test
 3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
 4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
 5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
 6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
 7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
  h. Help
  q. Back
Please select an item, or press m to refresh menu: 12

```

B. The system will not save the data and restore the default.

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
 1. Source message version: v3.2
 2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
 3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
 4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
 5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
 6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
 7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
  h. Help
  q. Back
Please select an item, or press m to refresh menu:

```

(XI) B2C certificate directory settings

1. Path: Transfer Settings > Basic Settings > B2C certificate directory settings

- (1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter "4" to enter the deposit directory settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 4
```

2. Functional operation instructions

- (1) Save

- A. Enter "1" to enter the configuration source message version

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
-- B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
-- B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
-- B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

B. Set the source message version

```

Setting items: Source message version
Current settings: v3.2
1. v3.1.2
2. *v3.2
3. v4.0
Change settings: 1

```

C. Enter "5" to enter the source directory of setting upload and transcoding

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. B2CUpload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
-- B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
-- B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
-- B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 5

```

D. Set the new upload and transcoding source directory

```

Setting items: B2CUpload conversion source directory
Current settings: C:\EINVTurnkey202_64\UpCast\B2CSTORAGE
Change settings: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE

```

E. Enter "6" to enter the directory where the package is set to upload

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. *B2CUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE
6. B2CUpload pack source directory: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 6

```

F. Set the new upload package source directory

```

Setting items: B2CUpload pack source directory
Current settings: C:\EINVTurnkey202_64\Pack\B2CSTORAGE
Change settings: C:\NEW_EINVTurnkey\Pack\B2CSTORAGE

```

G. Enter "7" to enter the source directory of the setting transfer file

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. *B2CUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE
6. *B2CUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2CSTORAGE
7. B2CTransmit file source directory: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 7

```

H. Set the source directory for new transfer files

```

Setting items: B2CTransmit file source directory
Current settings: C:\EINVTurnkey202_64\SendFile\B2CSTORAGE
Change settings: C:\NEW_EINVTurnkey\SendFile\B2CSTORAGE

```

I. Enter "11" to save the editing updates

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. *B2CUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE
6. *B2CUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2CSTORAGE
7. *B2CTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2CSTORAGE
-- B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
-- B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
-- B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 11

```

J. Displays that the storage is successful

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
1. Source message version: v3.2
2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
5. *B2CUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE
6. *B2CUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2CSTORAGE
7. *B2CTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2CSTORAGE
-- B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
-- B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
-- B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 11
Save Success

```

K. Versions 3.2.0 and later of Turnkey do not support setting up evidence prior to v4.0

```

Please select an item, or press m to refresh menu: 2
Setting items: Source message version
Current settings:
1. v4.1
Change settings:

```

L. After updating to Turnkey 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following prompt will appear.

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
--. TKY3.2.0 version only supports v4.1, please update the message version to v4.1
 2. Source message version:
 3. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
 4. B2BUpload pack source directory: .\Pack\B2BSTORAGE
 5. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
 6. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
 7. B2CUpload pack source directory: .\Pack\B2CSTORAGE
 8. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: .\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: .\Pack\B2SSTORAGE
--. B2STransmit file source directory: .\SendFile\B2SSTORAGE
12. Save
13. Reset
  h. Help
  q. Back

```

(2) Reset

A. If you want to reset after modifying the content, enter "12".

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
 1. Source message version: v3.2
 2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
 3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
 4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
 5. *B2CUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE
 6. *B2CUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2CSTORAGE
 7. *B2CTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
  h. Help
  q. Back
Please select an item, or press m to refresh menu: 12

```

B. The system will not save the data and restore the default.

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
 1. Source message version: v3.2
 2. B2BUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2BSTORAGE
 3. B2BUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2BSTORAGE
 4. B2BTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2BSTORAGE
 5. B2CUpload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2CSTORAGE
 6. B2CUpload pack source directory: C:\NEW_EINVTurnkey\Pack\B2CSTORAGE
 7. B2CTransmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: C:\NEWTurnkey\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: C:\NEWTurnkey\Pack\B2SSTORAGE
--. B2STransmit file source directory: C:\NEWTurnkey\SendFile\B2SSTORAGE
11. Save
12. Reset
  h. Help
  q. Back
Please select an item, or press m to refresh menu:

```

(XII) Download process directory settings

1. Path: Transfer Settings > Basic Settings > Download process directory settings

- (1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter "5" to enter the download process directory settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 5
```

2. Functional operation instructions

- (1) Save

- A. Enter "1" to enter the source directory for setting to receive files

```
Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. Receive file source directory: C:\EINVTurnkey202_64\ReceiveFile
2. Download unpack source directory: C:\EINVTurnkey202_64\Unpack
3. Download conversion source directory: C:\EINVTurnkey202_64\DownCast
4. Receive file source directory: C:\EINVTurnkey202_64\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter the source directory of the new receiving file

```
Setting items: Receive file source directory
Current settings: C:\EINVTurnkey202_64\ReceiveFile
Change settings: C:\NEW_EINVTurnkey\ReceiveFile
```

C. Enter "2" to enter the settings to download the unpacking source directory

```
Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. Download unpack source directory: C:\EINVTurnkey202_64\Unpack
3. Download conversion source directory: C:\EINVTurnkey202_64\DownCast
4. Receive file source directory: C:\EINVTurnkey202_64\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

D. Enter the new download unpacking source directory

```
Setting items: Download unpack source directory
Current settings: C:\EINVTurnkey202_64\Unpack
Change settings: C:\NEW_EINVTurnkey\Unpack
```

E. Enter "3" to enter the settings download source directory

```
Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. *Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. Download conversion source directory: C:\EINVTurnkey202_64\DownCast
4. Receive file source directory: C:\EINVTurnkey202_64\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

F. Enter the source directory of the new download transcoding

```
Setting items: Download conversion source directory
Current settings: C:\EINVTurnkey202_64\DownCast
Change settings: C:\NEW_EINVTurnkey\DownCast
```

G. Set the directory of the purpose of the receiving process

```
Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. *Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. *Download conversion source directory: C:\NEW_EINVTurnkey\DownCast
4. Receive file source directory: C:\EINVTurnkey202_64\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 4
```

H. Enter the directory of the purpose of the new receiving process

```
Setting items: Receive file source directory
Current settings: C:\EINVTurnkey202_64\RecvTarget
Change settings: C:\NEW_EINVTurnkey\RecvTarget
```

I. Enter "5" to enter the set the source message version

```
Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. *Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. *Download conversion source directory: C:\NEW_EINVTurnkey\DownCast
4. *Receive file source directory: C:\NEW_EINVTurnkey\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 5
```

U. Enter the source information version

```
Setting items: Source message version
Current settings: v3.2
1. v3.1.2
2. *v3.2
3. v4.0
Change settings: 2
```

V. After editing, enter "6" to save.

```

Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. *Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. *Download conversion source directory: C:\NEW_EINVTurnkey\DownCast
4. *Receive file source directory: C:\NEW_EINVTurnkey\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 6

```

W. The system shows that the storage was successful

```

Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. *Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. *Download conversion source directory: C:\NEW_EINVTurnkey\DownCast
4. *Receive file source directory: C:\NEW_EINVTurnkey\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 6
Save Success

```

(2) Reset

A. If you want to reset after modifying the content, enter "7".

```

Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. *Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile_TEST
2. Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. Download conversion source directory: C:\NEW_EINVTurnkey\DownCast
4. Receive file source directory: C:\NEW_EINVTurnkey\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 7

```

X. The system will not save the data and restore the default.

```

Location: TOP/Transfer Settings/Basic Settings/Download process directory settings
1. Receive file source directory: C:\NEW_EINVTurnkey\ReceiveFile
2. Download unpack source directory: C:\NEW_EINVTurnkey\Unpack
3. Download conversion source directory: C:\NEW_EINVTurnkey\DownCast
4. Receive file source directory: C:\NEW_EINVTurnkey\RecvTarget
5. Source message version: v3.2
6. Save
7. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu:

```

(XIII) Invoice number assignment message (B2P) directory settings

1. Path: Transfer Settings > Invoice number assignment message directory

settings

- (1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter 6 to enter the invoice numbering information directory settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 6
```

2. Functional operation instructions

- (1) Save

A. Enter "1" to enter the source directory for setting to receive files

```
Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
1. Upload conversion source directory: C:\EINVTurnkey202_64\UpCast\B2PMESSAGE
2. Upload pack source directory: C:\EINVTurnkey202_64\Pack\B2PMESSAGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2PMESSAGE
4. Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter the source directory of the new receiving file

```
Setting items: Upload conversion source directory
Current settings: C:\EINVTurnkey202_64\UpCast\B2PMESSAGE
Change settings: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
```

C. Enter "2" to enter the settings to download the unpacking source directory

```
Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
1. *Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
2. Upload pack source directory: C:\EINVTurnkey202_64\Pack\B2PMESSAGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2PMESSAGE
4. Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

D. Enter the new download unpacking source directory

```
Setting items: Upload pack source directory
Current settings: C:\EINVTurnkey202_64\Pack\B2PMESSAGE
Change settings: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
```

E. Enter "3" to enter the settings download source directory

```
Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
1. *Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
2. *Upload pack source directory: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
3. Transmit file source directory: C:\EINVTurnkey202_64\SendFile\B2PMESSAGE
4. Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

F. Enter the source directory of the new download transcoding

```
Setting items: Transmit file source directory
Current settings: C:\EINVTurnkey202_64\SendFile\B2PMESSAGE
Change settings: C:\NEW_EINVTurnkey\SendFile\B2PMESSAGE
```

G. Enter "4" to enter the set the source message version

```

Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
1. *Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
2. *Upload pack source directory: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
3. *Transmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2PMESSAGE
4. Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 4

```

H. Enter the source information version

```

Setting items: Source message version
Current settings: v3.2
1. v3.1.2
2. *v3.2
3. v4.0
Change settings: 2

```

I. After editing, enter "5" to Save.

```

Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
1. *Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
2. *Upload pack source directory: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
3. *Transmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2PMESSAGE
4. Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 5

```

J. The system shows that the storage was successful

```

Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
1. *Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
2. *Upload pack source directory: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
3. *Transmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2PMESSAGE
4. Source message version: v3.2
5. Save
6. Reset
h. Help
q. Back
Please select an item, or press m to refresh menu: 5
Save Success

```

K. Versions 3.2.0 and later of Turnkey do not support setting up evidence prior to v4.0

```

Please select an item, or press m to refresh menu: 2
Setting items: Source message version
Current settings:
1. v4.1
Change settings:

```

L. After updating to Turnkey 3.2.0, if the MIG version number in the directory settings has not been updated to V4.1, the following prompt will appear.

```

Location: TOP/Transfer Settings/Basic Settings/Storage (certificate) directory settings
--. TKY3.2.0 version only supports v4.1, please update the message version to v4.1
 2. Source message version:
 3. B2BUpload conversion source directory: .\UpCast\B2BSTORAGE
 4. B2BUpload pack source directory: .\Pack\B2BSTORAGE
 5. B2BTransmit file source directory: .\SendFile\B2BSTORAGE
 6. B2CUpload conversion source directory: .\UpCast\B2CSTORAGE
 7. B2CUpload pack source directory: .\Pack\B2CSTORAGE
 8. B2CTransmit file source directory: .\SendFile\B2CSTORAGE
--. B2SUpload conversion source directory: .\UpCast\B2SSTORAGE
--. B2SUpload pack source directory: .\Pack\B2SSTORAGE
--. B2STransmit file source directory: .\SendFile\B2SSTORAGE
12. Save
13. Reset
  h. Help
  q. Back

```

(2) Reset

A. If you want to reset after modifying the content, enter "6".

```

Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
 1. *Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
 2. *Upload pack source directory: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
 3. *Transmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2PMESSAGE
 4. Source message version: v3.2
 5. Save
 6. Reset
  h. Help
  q. Back
Please select an item, or press m to refresh menu: 6

```

B. The system will not save the data and restore the default.

```

Location: TOP/Transfer Settings/Basic Settings/Invoice number assignment message directory settings
 1. Upload conversion source directory: C:\NEW_EINVTurnkey\UpCast\B2PMESSAGE
 2. Upload pack source directory: C:\NEW_EINVTurnkey\Pack\B2PMESSAGE
 3. Transmit file source directory: C:\NEW_EINVTurnkey\SendFile\B2PMESSAGE
 4. Source message version: v3.2
 5. Save
 6. Reset
  h. Help
  q. Back
Please select an item, or press m to refresh menu:

```

(XIV)Transmission account management

1. Path: Transfer Settings > Basic Settings > Transmission account Management

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter "7" to enter the transfer account management settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 7
```

2. Functional operation instructions

- (1) Enter "2" to enter the new transfer account.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

(2) Enter "1" to set the delivery account.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Add
1. Transmission Account:
2. Transmission Password:
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) Enter the account number "900017"

```
Setting items: Transmission Account
Current settings:
Change settings: 900017
```

(4) Enter "2" to set the transmission password.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Add
1. *Transmission Account: 900017
2. Transmission Password:
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

(5) Enter the password and enter the same password again.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Add
1. *Transmission Account: 900017
2. Transmission Password:
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Transmission Password
Current settings:
Change password:
Double confirm:
```

(6) Enter "3" Save to send the account

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Add
1. *Transmission Account: 900017
2. *Transmission Password: *****
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

(7) The new addition is displayed successfully.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Add
1. *Transmission Account: 900017
2. *Transmission Password: *****
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 3
Add Success
```

3. Query the transmission account

- (1) Enter "1" to enter the transfer account query.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

- (2) Display the transfer account number

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Query
1. 90000017
2. 900017
q. Back
Please select an item, or press m to refresh menu:
```

- (3) Select an account to make an inquiry, enter "1" to query the account number "90000017".

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Query/Query[90000017]
-- Transmission Account: 90000017
-- Transmission Password: *****
q. Back
Please select an item, or press m to refresh menu:
```

4. Edit the transfer account

- (1) Enter "3" to enter the transfer account to edit.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

- (2) Select Edit Account "90000017".

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Edit
1. 90000017
2. 900017
q. Back
Please select an item, or press m to refresh menu: 1
```

- (3) Enter "2" to enter the transmission password settings.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Edit/Edit[90000017]
-- Transmission Account: 90000017
2. Transmission Password: *****
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

- (4) Enter the new setting transfer password, and then enter the confirmation password.

```
Setting items: Transmission Password
Current settings: *****
Change password:
Double confirm:
```

- (5) Enter "3" Save to set the new password.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Edit/Edit[90000017]
-- Transmission Account: 90000017
2. *Transmission Password: *****
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

- (6) The editing is displayed successfully.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Edit/Edit[90000017]
-- Transmission Account: 90000017
2. *Transmission Password: *****
3. Save
4. Reset
q. Back
Please select an item, or press m to refresh menu: 3
Edit Success
```

5. Delete the transfer account

- (1) Enter "4" to enter the transfer account to delete.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 4
```

- (2) Select the account "900017" to delete and enter "2" to delete the account.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Delete
1. 90000017
2. 900017
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) The deletion is displayed as successful.

```
Location: TOP/Transfer Settings/Basic Settings/Transmission Account managementM/Delete
1. 90000017
2. 900017
q. Back
Please select an item, or press m to refresh menu: 2
Delete Success
```

(XV) Certificate management

1. Path: System management> Certificate management

- (1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

- (2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter "8" to enter the credential management settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 8
```

2. Added PFX certificate

- (1) Enter "2" to enter the new configuration.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

- (2) Enter "1" to set the credential code.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. Certificate Id:
2. Certificate Password:
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

- (3) Set the credential code.

```
Setting items: Certificate Id
Current settings:
Change settings: 0017
```

- (4) Enter "2" to set the credential password.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. Certificate Password:
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

- (5) Set the certificate password.

```
Setting items: Certificate Password
Current settings:
Change password:
Double confirm:
```

- (6) Enter "3" to set the credential type.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. Certificate Password:
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

- (7) Setting type PFX.

```
Setting items: Type of Certificate
Current settings: PFX
1. *PFX
2. Card
Change settings: 1
```

- (8) Enter "4" to set the credential path.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. Certificate Password:
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

(9) Set the credential path.

```
Setting items: Path of Certificate File
Current settings:
Change settings: C:\Users\steve\Downloads\90000017_20221102.pfx
```

(10) Enter the "5" Save the PFX credentials.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. Certificate Password:
3. Type of Certificate: PFX
4. *Path of Certificate File: C:\Users\steve\Downloads\90000017_20221102.pfx
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 5
```

3. Query Credentials

(1) Enter "1" to enter the credential query.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

(2) Select the query voucher code "0017".

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Query
1. 0017
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) Display the query results.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Query/Query[0017]
--. Certificate Id: 0017
--. Certificate Password: *****
--. Type of Certificate: PFX
--. Path of Certificate File: C:\NEWTurnkey\cert\0017_00007102_20220118113420568.pfx
q. Back
Please select an item, or press m to refresh menu:
```

4. Edit Credentials

- (1) Enter "3" to enter the credential editing settings.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

- (2) Select Edit Account "0017".

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Edit
1. 0017
q. Back
Please select an item, or press m to refresh menu: 1
```

- (3) Enter "2" to change the credential password.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Edit/Edit[0017]
--. Certificate Id: 0017
2. Certificate Password: *****
3. Type of Certificate: PFX
4. Path of Certificate File: C:\NEWTurnkey\cert\0017_00007102_20220118113420568.pfx
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

- (4) Set a new certificate password.

```
Setting items: Certificate Password
Current settings: *****
Change password:
Double confirm:
```

- (5) Enter "5" Save editing credentials.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Edit/Edit[0017]
--. Certificate Id: 0017
2. *Certificate Password: *****
3. Type of Certificate: PFX
4. Path of Certificate File: C:\NEWTurnkey\cert\0017_00007102_20220118113420568.pfx
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 5
```

(6) The editing is displayed successfully.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Edit/Edit[0017]
--. Certificate Id: 0017
2. *Certificate Password: *****
3. Type of Certificate: PFX
4. Path of Certificate File: C:\NEWTurnkey\cert\0017_00007102_20220118113420568.pfx
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 5
Edit Success
```

5. Delete Credentials

(1) Enter "4" to enter the credential deletion.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 4
```

(2) Select Delete Account "0017".

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Delete
1. 0017
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) The deletion is displayed as successful.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Delete
1. 0017
q. Back
Please select an item, or press m to refresh menu: 1
Delete Success
```

6. Card Credentials Added

(1) Enter "2" to enter the new setting.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

(2) Enter "1" to set the voucher code.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. Certificate Id:
2. Certificate Password:
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) Set the voucher code.

```
Please select an item, or press m to refresh menu: 1
Setting items: Certificate Id
Current settings:
Change settings: 0017
```

(4) Enter "2" to set the certificate password.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. Certificate Password:
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

(5) Set the credential password.

```
Please select an item, or press m to refresh menu: 2
Setting items: Certificate Password
Current settings:
Change password:

Double confirm:
```

(6) Enter "3" to set the certificate type.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. *Certificate Password: *****
3. Type of Certificate: PFX
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 3|
```

(7) Set the type to Card.

```
Please select an item, or press m to refresh menu: 3
Setting items: Type of Certificate
Current settings: PFX
1. *PFX
2. Card
Change settings: 2|
```

(8) Enter "5" to save the setting.

```
Location: TOP/Transfer Settings/Basic Settings/Certificate Management/Add
1. *Certificate Id: 0017
2. *Certificate Password: *****
3. *Type of Certificate: Card
4. Path of Certificate File:
5. Save
6. Reset
q. Back
Please select an item, or press m to refresh menu: 5
Add Success
```

(XVI) Sender management

1. Path: System management > Sender settings

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1|
```

(2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

- (3) Enter "9" to enter the sender management settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 9
```

2. Functional operation instructions

- (1) Enter "2" to add a new sender enquiry.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

- (2) Enter "1" to set the sender compilation.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. Sender Tax ID Number:
2. Sender Certificate Id:
3. Description of Sender Tax ID Number:
4. Transmission Account:
5. Query Routing Code
6. Transmission Routing Code:
7. Description of Transmission Routing:
8. Sender Agent: [ ]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) Set the sender to compile the "54153642".

```
Please select an item, or press m to refresh menu: 1
Setting items: Sender Tax ID Number
Current settings:
Change settings: 54153642|
```

(4) Enter "2" to set the sender voucher.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. Sender Certificate Id:
3. Description of Sender Tax ID Number:
4. Transmission Account:
5. Query Routing Code
6. Transmission Routing Code:
7. Description of Transmission Routing:
8. Sender Agent: [ ]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 2|
```

(5) Set the sending certificate and enter the new credential code in Certificate Management.

```
Please select an item, or press m to refresh menu: 2
Setting items: Sender Certificate Id
Current settings:
Change settings: 3642
```

(6) Enter "3" to set the sender description.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. *Sender Certificate Id: 3642
3. Description of Sender Tax ID Number:
4. Transmission Account:
5. Query Routing Code
6. Transmission Routing Code:
7. Description of Transmission Routing:
8. Sender Agent: [ ]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

(7) Set the description of the sender.

```
Please select an item, or press m to refresh menu: 3
Setting items: Description of Sender Tax ID Number
Current settings:
Change settings: test account
```

(8) Enter "4" to set the transfer account.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. *Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: test account
4. Transmission Account:
5. Query Routing Code
6. Transmission Routing Code:
7. Description of Transmission Routing:
8. Sender Agent: [ ]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

(9) Set the transmitting account and enter the account code "54153642" added to the transmitting account.

```
Please select an item, or press m to refresh menu: 4
Setting items: Transmission Account
Current settings:
Change settings: 54153642
```

(10) Enter "5" to query the detour code.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. *Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: test account
4. *Transmission Account: 54153642
5. Query Routing Code
6. Transmission Routing Code:
7. Description of Transmission Routing:
8. Sender Agent: [ ]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 5

```

(11) The routing code is displayed.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add/Select Routing Code
1. [PF002936] 54153642-昇晉整合服務有限公司 (B2B營業人)
q. Back
Please select an item, or press m to refresh menu:

```

(12) Select the sender's bypass code, enter "1" and select 54153642 to send the data.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add/Select Routing Code
1. [PF002936] 54153642-昇晉整合服務有限公司 (B2B營業人)
q. Back
Please select an item, or press m to refresh menu: 1

```

(13) To enable a proxy, enter "8" to set up a record keeping proxy.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. *Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: test account
4. *Transmission Account: 54153642
5. Query Routing Code
6. *Transmission Routing Code: PF002936
7. *Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. Sender Agent: [ ]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 8

```

(14) Enter "9" Save sender management.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. *Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: test account
4. *Transmission Account: 54153642
5. Query Routing Code
6. *Transmission Routing Code: PF002936
7. *Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. *Sender Agent: [X]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 9

```

(15) It will show that the new addition is successful.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Add
1. *Sender Tax ID Number: 54153642
2. *Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: test account
4. *Transmission Account: 54153642
5. Query Routing Code
6. *Transmission Routing Code: PF002936
7. *Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. *Sender Agent: [X]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 9
Add Success

```

3. Query sender management

- (1) Enter "1" to check the sender management.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

- (2) Enquire about the "90000017" of the sender management.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Query
1. 90000017
q. Back
Please select an item, or press m to refresh menu: 1

```

- (3) Display the sender's information.

```

Location: TOP/Transfer Settings/Basic Settings/Sender Management/Query/Query[90000017]
--. Sender Tax ID Number: 90000017
--. Sender Certificate Id: 0017
--. Description of Sender Tax ID Number: 你好
--. Transmission Account: 90000017
--. Query Routing Code
--. Transmission Routing Code: PE001038
--. Description of Transmission Routing: 90000017 - *****17 (B2B營業人)
--. Sender Agent: [ ]
q. Back
Please select an item, or press m to refresh menu:

```

4. Edit the sending party's materials

- (1) Enter "3" to select the sender information.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

(2) Select "54153642" from the sender.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Edit
1. 54153642
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) Enter "3" to edit the sender description.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Edit/Edit[54153642]
--. Sender Tax ID Number: 54153642
2. Sender Certificate Id: 3642
3. Description of Sender Tax ID Number: test account
4. Transmission Account: 54153642
5. Query Routing Code
--. Transmission Routing Code: PF002936
--. Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. Sender Agent: [X]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

(4) Enter a description of the new sender.

```
Please select an item, or press m to refresh menu: 3
Setting items: Description of Sender Tax ID Number
Current settings: test account
Change settings: run account
```

(5) Enter "5" to edit the sender's bypass code.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Edit/Edit[54153642]
--. Sender Tax ID Number: 54153642
2. Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: run account
4. Transmission Account: 54153642
5. Query Routing Code
--. Transmission Routing Code: PF002936
--. Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. Sender Agent: [X]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 5
```

(6) Enter the new sender bypass code.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Edit/Edit[54153642]/Select Routing Code
1. [PF002936] 54153642-昇晉整合服務有限公司 (B2B營業人)
q. Back
Please select an item, or press m to refresh menu: 1
```

(7) Enter the "9" Save new sender information.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Edit/Edit[54153642]
--. Sender Tax ID Number: 54153642
2. Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: run account
4. Transmission Account: 54153642
5. Query Routing Code
--. Transmission Routing Code: PF002936
--. Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. Sender Agent: [X]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 9
```

(8) The editing is displayed successfully.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Edit/Edit[54153642]
--. Sender Tax ID Number: 54153642
2. Sender Certificate Id: 3642
3. *Description of Sender Tax ID Number: run account
4. Transmission Account: 54153642
5. Query Routing Code
--. Transmission Routing Code: PF002936
--. Description of Transmission Routing: 54153642-昇晉整合服務有限公司 (B2B營業人)
8. Sender Agent: [X]
9. Save
10. Reset
q. Back
Please select an item, or press m to refresh menu: 9
Edit Success
```

5. Delete the sender

(1) Enter "4" to enter the delete sender configuration.

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 4
```

(2) Delete the sender "54153642"

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Delete
1. 54153642
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) It will show that the deletion was successful..

```
Location: TOP/Transfer Settings/Basic Settings/Sender Management/Delete
1. 54153642
q. Back
Please select an item, or press m to refresh menu: 1
Delete Success
```

(XVII) User Management

1. Path: Transfer Settings > Basic Settings > User Management

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

(3) Enter "10" to enter the user management settings.

```
Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 10
```

2. Query the user list

- (1) Enter "1" to enter the user management query.

```
Location: TOP/Transfer Settings/Basic Settings/User Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

- (2) Select the search account "ADMIN".

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Query
1. 67890
2. abc
3. ADMIN
4. client
5. TINA
6. USER1
q. Back
Please select an item, or press m to refresh menu: 3
```

- (3) Display account information.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Query/Query[ADMIN]
--. User Account: ADMIN
--. User Password: *****
--. Role of User: Admin
q. Back
Please select an item, or press m to refresh menu: q
```

3. Add new users

- (1) Enter "2" to enter the user addition.

```
Location: TOP/Transfer Settings/Basic Settings/User Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

- (2) Enter "1" to set up a user account.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Add
1. User Account:
2. User Password:
3. Role of User: Admin
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 1
```

(3) Enter the user account.

```
Setting items: User Account
Current settings:
Change settings: Test
```

(4) Enter "2" to set the user password.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Add
1. *User Account: Test
2. User Password:
3. Role of User: Admin
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

(5) Enter the user password and enter the password again to confirm.

```
Setting items: User Password
Current settings:
Change password:
Double confirm:
```

(6) Enter "3" to set the user role.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Add
1. *User Account: Test
2. *User Password: ****
3. Role of User: Admin
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

(7) Enter "2" to set "client" as a general user.

```
Setting items: Role of User
Current settings: Admin
1. *Admin
2. Client
Change settings: 2
```

(8) Enter "4" Save to add a user.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Add
1. *User Account: Test
2. *User Password: ****
3. *Role of User: Client
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
```

(9) The new addition is displayed successfully.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Add
1. *User Account: Test
2. *User Password: ****
3. *Role of User: Client
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
Add Success
```

4. Edit User

(1) Enter "3" to enter the editing user.

```
Location: TOP/Transfer Settings/Basic Settings/User Management
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

(2) Select the user "Test".

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Edit
1. 67890
2. abc
3. ADMIN
4. client
5. Test
6. TINA
7. USER1
q. Back
Please select an item, or press m to refresh menu: 5
```

(3) Enter "2" to edit the user password.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Edit/Edit[Test]
--. User Account: Test
2. User Password: *****
3. Role of User: Client
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 2
```

(4) Enter a new password and enter the new password again to confirm.

```
Setting items: User Password
Current settings: *****
Change password:
Double confirm:
```

(5) Enter "3" to change the user role.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Edit/Edit[Test]
--. User Account: Test
2. User Password: *****
3. Role of User: Client
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 3
```

(6) Enter "1" to set as the administrator "Admin".

```
Please select an item, or press m to refresh menu: 3
Setting items: Role of User
Current settings: Client
1. Admin
2. *Client
Change settings: 1
```

(7) Enter "4" Save to edit the user.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Edit/Edit[Test]
--. User Account: Test
 2. User Password: *****
 3. *Role of User: Admin
 4. Save
 5. Reset
 q. Back
Please select an item, or press m to refresh menu: 4
```

(8) The editing is displayed successfully.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Edit/Edit[Test]
--. User Account: Test
 2. User Password: *****
 3. *Role of User: Admin
 4. Save
 5. Reset
 q. Back
Please select an item, or press m to refresh menu: 4
Edit Success
```

5. Delete User

(1) Enter "4" to enter the user deletion.

```
Location: TOP/Transfer Settings/Basic Settings/User Management
 1. Query
 2. Add
 3. Edit
 4. Delete
 h. Help
 q. Back
Please select an item, or press m to refresh menu: 4
```

(2) Select Delete "Test" user. °

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Delete
 1. 67890
 2. abc
 3. ADMIN
 4. client
 5. Test
 6. TINA
 7. USER1
 q. Back
Please select an item, or press m to refresh menu: 5
```

(3) The deletion is displayed as successful.

```
Location: TOP/Transfer Settings/Basic Settings/User Management/Delete
1. 67890
2. abc
3. ADMIN
4. client
5. Test
6. TINA
7. USER1
q. Back
Please select an item, or press m to refresh menu: 5
Delete Success
```

(XVIII) Environment detection

1. Path: Transfer Settings > Basic Settings > Environment detection

(1) Enter "1" to enter the transfer settings menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1
```

(2) Enter "2" to enter the basic settings menu.

```
Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 2
```

(3) Enter "11" to enter the environment detection.

```

Location: TOP/Transfer Settings/Basic Settings
1. System Environment Setting
2. Database Setting
3. B2B Certificate directory settings
4. Storage (certificate) directory settings
5. Download process directory settings
6. Invoice number assignment message directory settings
7. Transmission Account managementM
8. Certificate Management
9. Sender Management
10. User Management
11. Check Environment
q. Back
Please select an item, or press m to refresh menu: 11

```

2. Functional operation instructions

(1) Enter "1" for database connection test

```

Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result::
3. Transmission Connection test
--. Send account Connection Test Result::
5. SFTP Connection test
--. SFTP Connection Test Result::
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu: 1

```

(2) Display database connection test results

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result::
5. SFTP Connection test
--. SFTP Connection Test Result::
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(3) Enter "3" to send the account connection test

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result::
5. SFTP Connection test
--. SFTP Connection Test Result::
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

(4) Display the test result of the transfer account connection

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result::
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(5) Enter "5" SFTP connection test

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result::
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu: 5
```

(6) Displays SFTP connection test results.

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result:: Test Error
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(7) Enter "7" WEB API connection test

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result:: Test Error
7. WEB API Connection test
--. WEB API Connection Test Result::
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu: 7
```

(8) Display web api connection test results

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result:: Test Error
7. WEB API Connection test
--. WEB API Connection Test Result:: Test Successful
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(9) Enter "9" data directory for testing

```
Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result:: Test Error
7. WEB API Connection test
--. WEB API Connection Test Result:: Test Successful
9. Data Directory Test
--. B2B Exchange Directory Test Result::
--. Certificate Directory Test Result::
--. Invoice Matching Message Catalog Test Result::
--. Download Process Catalog Test Result::
h. Help
q. Back
Please select an item, or press m to refresh menu: 9
```

(10) Display Data Catalog test results

```

Location: TOP/Transfer Settings/Basic Settings/Check Environment
1. Database Connection Test
--. Database Connection Test Result:: Test Successful
3. Transmission Connection test
--. Send account Connection Test Result:: Test Error
5. SFTP Connection test
--. SFTP Connection Test Result:: Test Error
7. WEB API Connection test
--. WEB API Connection Test Result:: Test Successful
9. Data Directory Test
--. B2B Exchange Directory Test Result:: Test Successful
--. Certificate Directory Test Result:: Test Successful
--. Invoice Matching Message Catalog Test Result:: Test Successful
--. Download Process Catalog Test Result:: Test Successful
h. Help
q. Back
Please select an item, or press m to refresh menu:

```

(XIX)Receiver management

1. Path: Transfer Settings > Receiver management

(1) Enter "1" to enter the transfer settings menu.

```

Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 1

```

(2) Enter "3" to enter the recipient configuration

```

Location: TOP/Transfer Settings
1. Scheduling Settings
2. Basic Settings
3. Receiver Settings
q. Back
Please select an item, or press m to refresh menu: 3

```

2. Functional operation instructions

(1) Query

A. Enter "1" to enter the recipient list function.

```
Location: TOP/Transfer Settings/List of Receiver Config
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter "1" to inquire about the relevant information compiled by the recipient that you have created.

```
Location: TOP/Transfer Settings/List of Receiver Config/Query
1. 00007102
2. 00007104
3. 54153642
q. Back
Please select an item, or press m to refresh menu: 1
```

C. Display the query results.

```
Location: TOP/Transfer Settings/List of Receiver Config/Query/Query[00007102]
-- Receiver Tax ID Number: 00007102
-- Description of Receiver Tax ID Number: 00007102 - 測試有限公司程車行 (B2B營業人,買方加值中心)
-- Query Routing Code
-- Receiver Routing Code: PR000002
-- Description of Receiver Routing Code: 00007102 收方繞送統編
q. Back
Please select an item, or press m to refresh menu:
```

(2) Add

A. Enter "2" to enter the function of adding recipient information.

```
Location: TOP/Transfer Settings/List of Receiver Config
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
```

B. Enter "1" and type the recipient compilation information in the Change Settings field.

```

Location: TOP/Transfer Settings/List of Receiver Config/Add
1. Receiver Tax ID Number:
2. Description of Receiver Tax ID Number:
3. Query Routing Code
4. Receiver Routing Code:
5. Description of Receiver Routing Code:
6. Save
7. Reset
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: Receiver Tax ID Number
Current settings:
Change settings: 90000017

```

- C. Enter "3" to query the bypass code, you can compile the query wrap code information according to the recipient entered.

```

Location: TOP/Transfer Settings/List of Receiver Config/Add
1. *Receiver Tax ID Number: 90000017
2. Description of Receiver Tax ID Number:
3. Query Routing Code
4. Receiver Routing Code:
5. Description of Receiver Routing Code:
6. Save
7. Reset
q. Back
Please select an item, or press m to refresh menu: 3
ERROR QueryRouting mode=receiver, id=VTNK, pwd=****, partyId=90000017, url=https://tgv.einvoice.nat.gov.tw/GEINVDTPList/S/partnerlist
11月 24, 2022 4:35:09 下午 org.apache.axis2.deployment.AxisConfigBuilder processDeployers
WARNING: Unable to instantiate deployer org.apache.axis2.deployment.ServiceDeployer; see debug logs for more details

Location: TOP/Transfer Settings/List of Receiver Config/Add/Select Routing Code
1. [EINVCT01] 03722305 - 財政部財稅資料中心 (B2B營業人)
2. [PE001038] 90000017 - ****17 (B2B營業人)
3. [PE000383] 00007104 - 測試加值中心有限公司 (B2B營業人,獨立第三者加值中心)
q. Back
Please select an item, or press m to refresh menu:

```

- D. Select the correct wrap-around data, e.g. enter "2".

```

Location: TOP/Transfer Settings/List of Receiver Config/Add/Select Routing Code
1. [EINVCT01] 03722305 - 財政部財稅資料中心 (B2B營業人)
2. [PE001038] 90000017 - ****17 (B2B營業人)
3. [PE000383] 00007104 - 測試加值中心有限公司 (B2B營業人,獨立第三者加值中心)
q. Back
Please select an item, or press m to refresh menu: 2

Location: TOP/Transfer Settings/List of Receiver Config/Add
1. *Receiver Tax ID Number: 90000017
2. Description of Receiver Tax ID Number:
3. Query Routing Code
4. *Receiver Routing Code: PE001038
5. *Description of Receiver Routing Code: 90000017 - ****17 (B2B營業人)
6. Save
7. Reset
q. Back
Please select an item, or press m to refresh menu:

```

- E. Enter "6" Save information, and display the query results.

```

Location: TOP/Transfer Settings/List of Receiver Config/Add
1. *Receiver Tax ID Number: 90000017
2. Description of Receiver Tax ID Number:
3. Query Routing Code
4. *Receiver Routing Code: PE001038
5. *Description of Receiver Routing Code: 90000017 - *****17 (B2B營業人)
6. Save
7. Reset
q. Back
Please select an item, or press m to refresh menu: 6
Add Success

```

(3) Edit

A. Enter "3" to enter the function of editing recipient information.

```

Location: TOP/Transfer Settings/List of Receiver Config
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 3

```

B. Enter "4" to enter the relevant information of the editor who has created the compilation.

```

Location: TOP/Transfer Settings/List of Receiver Config/Edit
1. 00007102
2. 00007104
3. 54153642
4. 90000017
q. Back
Please select an item, or press m to refresh menu: 4

```

C. Enter "2" to edit the recipient description and type the data in the Change Settings field.

```

Location: TOP/Transfer Settings/List of Receiver Config/Edit/Edit[90000017]
-- Receiver Tax ID Number: 90000017
2. Description of Receiver Tax ID Number:
3. Query Routing Code
-- Receiver Routing Code: PE001038
-- Description of Receiver Routing Code: 90000017 - *****17 (B2B營業人)
6. Save
7. Reset
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Description of Receiver Tax ID Number
Current settings:
Change settings: TEST

```

- D. Enter "6" Save to save the data into the database, and display the query results.

```
Location: TOP/Transfer Settings/List of Receiver Config/Edit/Edit[90000017]
-- Receiver Tax ID Number: 90000017
2. *Description of Receiver Tax ID Number: TEST
3. Query Routing Code
-- Receiver Routing Code: PE001038
-- Description of Receiver Routing Code: 90000017 - *****17 (B2B營業人)
6. Save
7. Reset
q. Back
Please select an item, or press m to refresh menu: 6
Edit Success
```

(4) Delete

- A. Enter "4" to enter the function of deleting recipient's information.

```
Location: TOP/Transfer Settings/List of Receiver Config
1. Query
2. Add
3. Edit
4. Delete
h. Help
q. Back
Please select an item, or press m to refresh menu: 4
```

- B. Enter "1" to delete the relevant information compiled by the recipient.

```
Location: TOP/Transfer Settings/List of Receiver Config/Delete
1. 00007102
2. 00007104
3. 54153642
4. 90000017
q. Back
Please select an item, or press m to refresh menu: 4
```

(XX) Query message logs

1. Path: Transaction log search > Query message logs

- (1) Enter "2" to enter the transaction log enquiry menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 2
```

(2) Enter "1" to view the message record.

```
Location: TOP/Query Logs
1. Query Message Log
2. Query System Event Log
3. Message Log Statistics
q. Back
Please select an item, or press m to refresh menu: 1
```

2. Functional operation instructions

(1) View message records

A. Enter the criteria to be queried, such as date and time, sender, UUID, message type, etc. Example here: Enter 5. Start date "2022/10/03" and 3. Message type "A0101".

```
Location: TOP/Query Logs/Query Message Log
1. Seq No:
2. Sub Seq No:
3. Message Type:
4. UUID:
5. *Start Date: 2022/10/03
6. Start Time: 00:00
7. End Date: 2025/01/10
8. End Time: 23:59
9. Sender Tax Id:
10. Receiver Tax ID:
11. Category Type:
12. Process Type:
13. Status:
14. I/O:
15. Invoice Identifier:
16. File Name:
17. Query Count: 1000
18. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 3
Setting items: Message Type
Current settings:
Change settings: A0101
```

B. Enter "18" to query the relevant information of the message record.

```
Location: TOP/Query Logs/Query Message Log
1. Seq No:
2. Sub Seq No:
3. *Message Type: A0101
4. UUID:
5. *Start Date: 2022/10/03
6. Start Time: 00:00
7. End Date: 2025/01/10
8. End Time: 23:59
9. Sender Tax Id:
10. Receiver Tax ID:
11. Category Type:
12. Process Type:
13. Status:
14. I/O:
15. Invoice Identifier:
16. File Name:
17. Query Count: 1000
18. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 18
```

C. Display the query results.

```
Seq No Message Date UUID Message Type Category Type Process Type Status Invoice Identifier
Location: TOP/Query Logs/Query Message Log/Message List
1. OBJ0000V 2024-11-19 16:39:36 f112c50a-8d41-4624-b536-2ad092124083 A0101 B2B EXCHANGE P
2. OBJ0000W 2024-11-19 16:48:01 f112c50a-8d41-4624-b536-2ad092124083 A0101 B2B EXCHANGE P
3. OBJ0000X 2024-11-19 17:00:09 f112c50a-8d41-4624-b536-2ad092124083 A0101 B2B EXCHANGE G A0101TW1000001220241102
4. OBJ0000Y 2024-11-19 17:16:36 f112c50a-8d41-4624-b536-2ad092124083 A0101 B2B EXCHANGE G A0101TW1000001220241102
5. OBJ0000Z 2024-11-20 11:08:39 be605013-f27b-4056-b81c-c127a329c759 A0101 B2B EXCHANGE E A0101TW1000001520241101
6. OBJ00010 2024-11-20 11:08:39 29fccfcf-2269-40ca-b59f-f24915d2a7b8 A0101 B2B EXCHANGE E A0101TW1000001620241103
7. OCQ001A8 2024-12-26 11:37:20 4c837588-b718-4e1a-a7a7-2a929993eb41 A0101 B2B EXCHANGE E A0101TW1000001620241103
8. OCQ001A9 2024-12-26 18:29:16 35a061ea-eadd-4135-9b4d-496a1e00ef6e A0101 B2B EXCHANGE E A0101TW1000001620241103
q. Back
Please select an item, or press m to refresh menu:
```

(XXI)Query event logs

1. Path: Transaction log search > Query event logs

(1) Enter "2" to enter the transaction log enquiry menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 2
```

- (2) Enter "2" to view the event record.

```
Location: TOP/Query Logs
1. Query Message Log
2. Query System Event Log
3. Message Log Statistics
q. Back
Please select an item, or press m to refresh menu: 2
```

2. Functional operation instructions

(1) View event records

- A. Enter the criteria to be queried, such as date and time, compilation, UUID, message serial number, etc. Example here: Enter 6. Start date "2022/10/03".

```
Location: TOP/Query Logs/Query System Event Log
1. Seq No:
2. Sub Seq No:
3. Tax Id:
4. UUID:
5. Error Code:
6. Start Date: 2022/11/23
7. Start Time: 00:00
8. End Date: 2022/11/24
9. End Time: 23:59
10. Query Count: 1000
11. Query
h. Help
q. Back
Please select an item, or press m to refresh menu: 6
Setting items: Start Date
Current settings: 2022/11/23
Change settings: 2022/10/03
```

- B. Enter "11" to query the relevant information of the event record.

```

Location: TOP/Query Logs/Query System Event Log
1. Seq No:
2. Sub Seq No:
3. Tax Id:
4. UUID:
5. Error Code:
6. *Start Date: 2022/10/03
7. Start Time: 00:00
8. End Date: 2022/11/24
9. End Time: 23:59
10. Query Count: 1000
11. Query
h. Help
q. Back
Please select an item, or press m to refresh menu: 11

```

C. Display the query results.

```

Seq No Event Time UUID Error Code
Location: TOP/Query Logs/Query System Event Log/Event List
1. MBO003HW 2022-11-24 10:09:20 39e2bfb2-540a-4f55-a9aa-ac216d9feeal -008
2. MBO003HX 2022-11-24 10:09:20 cd068487-ac51-4e19-a87a-cb03862a7781 -008
3. MBO003HY 2022-11-24 10:09:20 2c163747-8c49-4877-81e3-d313bddb7f75 -008
4. MBO003HZ 2022-11-24 10:09:20 c07389e3-006f-4659-884f-0c553d92181c -008
5. MBO003I0 2022-11-24 10:09:20 03b0288d-12a0-44e2-b9a5-7af097cfa8a2 -008
6. MBO003I1 2022-11-24 10:09:20 5e745af3-48b9-4bf5-956b-c9da3d9cfbbc -008
7. MBO003I2 2022-11-24 10:09:20 4fb254e2-c5cd-447a-acc3-397fb972b7a5 -008
8. MBO003I3 2022-11-24 10:09:20 257f37e2-df54-45b4-bbd5-b6a39bb7d5fa -008
9. MBO003I4 2022-11-24 10:09:20 afd1c24-d942-4d38-9e00-71de5cb69d9b -008
10. MBO003I5 2022-11-24 10:09:21 1ebed20a-b0a2-4894-a2b3-7a2a576c850e -008
11. MBO003I6 2022-11-24 10:10:17 6c9288a5-a816-4963-aa39-46f83f36c260 -008
12. MBO003I7 2022-11-24 10:10:17 44e96972-9e6c-4138-b0d5-205f10afb4d3 -008
13. MBO003I8 2022-11-24 10:10:18 147464af-4e6b-4fea-9f46-89431371af41 -008
14. MBO003I9 2022-11-24 10:10:18 1cf0fb3a-76aa-4b20-9813-01a35936c26a -008
15. MBO003IA 2022-11-24 10:10:18 a372e6af-10f1-48c5-922a-b3270846ffe3 -008
16. MBO003IB 2022-11-24 10:10:18 3d722cb8-a49a-4417-a3e1-a924b90f79c9 -008
17. MBO003IC 2022-11-24 10:10:18 40d6ea44-c400-4fe1-a25d-41e3024b4262 -008
18. MBO003ID 2022-11-24 10:10:18 1e90c371-ce47-43d5-bf4e-6d28388bac4d -008
19. MBO003IE 2022-11-24 10:10:19 07360b54-5de2-4f8e-89cf-cd4c20618ae1 -008
20. MBO003IF 2022-11-24 10:10:19 8c99c2d3-ade4-4c9a-853a-49fa7c594d1a -008
21. MBO003IG 2022-11-24 10:10:19 b373044d-268b-457d-84bf-4c4fb7855495 -008
22. MBO003IH 2022-11-24 10:10:19 58e687bf-aafe-4bf4-9394-ed4f438c012d -008
23. MBO003II 2022-11-24 10:10:19 701b5348-ca8f-49de-818f-ed82fd546cb2 -008
24. MBO003IJ 2022-11-24 10:10:19 c190a5eb-5ae2-4266-a5b1-9ba8420bb0a2 -008

```

(XXII) Message log statistics

1. Path: Transaction log search > Message log statistics

(1) Enter "2" to enter the transaction log enquiry menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 2
```

(2) Enter "3" to enter the statistics message record.

```
Location: TOP/Query Logs
1. Query Message Log
2. Query System Event Log
3. Message Log Statistics
q. Back
Please select an item, or press m to refresh menu: 3
```

2. Functional operation instructions

(1) Statistical message records

- A. Enter the criteria to be queried, such as date and time, sender compilation, invoice type, processing type, message type, etc.
Example here: Enter 1. Start date "2024/11/01".

```
Location: TOP/Query Logs/Message Log Statistics
1. Start Date: 2025/01/09
2. Start Time: 00:00
3. End Date: 2025/01/11
4. End Time: 00:00
5. Sender Tax Id:
6. Receiver Tax ID:
7. Category Type:
8. Process Type:
9. Message Type:
10. Status:
11. I/O:
12. File Name:
13. Create Report: [ ]
14. Specify Report Path and File Name:
15. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 1
```

- B. Enter "15" query to query the number of data in the message log.

```
Location: TOP/Query Logs/Message Log Statistics
1. *Start Date: 2024/11/01
2. Start Time: 00:00
3. End Date: 2025/01/11
4. End Time: 00:00
5. Sender Tax Id:
6. Receiver Tax ID:
7. Category Type:
8. Process Type:
9. Message Type:
10. Status:
11. I/O:
12. File Name:
13. Create Report: [ ]
14. Specify Report Path and File Name:
15. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 15
Query Success Data Count???1635
```

- C. If you want to export a CSV file with records, please enter "13" to generate the report and turn on the annotation.

```
Location: TOP/Query Logs/Message Log Statistics
1. *Start Date: 2024/11/01
2. Start Time: 00:00
3. End Date: 2025/01/11
4. End Time: 00:00
5. Sender Tax Id:
6. Receiver Tax ID:
7. Category Type:
8. Process Type:
9. Message Type:
10. Status:
11. I/O:
12. File Name:
13. Create Report: [ ]
14. Specify Report Path and File Name:
15. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 13
```

- D. Enter "14" as the file name and type in the data in the change settings, for example ".\rpt\report.csv".

```

Location: TOP/Query Logs/Message Log Statistics
1. *Start Date: 2024/11/01
2. Start Time: 00:00
3. End Date: 2025/01/11
4. End Time: 00:00
5. Sender Tax Id:
6. Receiver Tax ID:
7. Category Type:
8. Process Type:
9. Message Type:
10. Status:
11. I/O:
12. File Name:
13. *Create Report: [X]
14. Specify Report Path and File Name:
15. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 14
Setting items: Specify Report Path and File Name
Current settings:
Change settings: .\rpt\report.csv

```

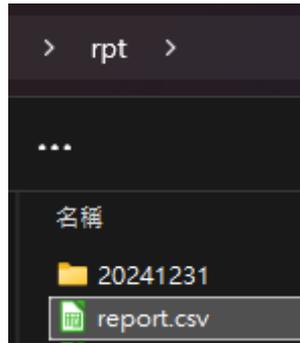
E. Enter "15" to query, and the system will generate a report and display the query results.

```

Location: TOP/Query Logs/Message Log Statistics
1. *Start Date: 2024/11/01
2. Start Time: 00:00
3. End Date: 2025/01/11
4. End Time: 00:00
5. Sender Tax Id:
6. Receiver Tax ID:
7. Category Type:
8. Process Type:
9. Message Type:
10. Status:
11. I/O:
12. File Name:
13. *Create Report: [X]
14. *Specify Report Path and File Name: .\rpt\report.csv
15. Query
    h. Help
    q. Back
Please select an item, or press m to refresh menu: 15
Query Successful, Report Production Completed Data Count???1635

```

F. Find report.csv in the specified path and open the file.



	A	B	C	D	E	F	G	H	I
1	Sender Tax Id	Receiver Tax ID	Message Date	Category Type	Process Type	Message Type	Status	I/O	Invoice Identifier
2			20241119163936005	B2B	EXCHANGE	A0101	P	I	
3			20241119164801757	B2B	EXCHANGE	A0101	P	I	
4	90000098	54153642	20241119170009927	B2B	EXCHANGE	A0101	G	I	A0101TW1000001220241102
5	90000098	54153642	20241119171636029	B2B	EXCHANGE	A0101	G	I	A0101TW1000001220241102
6	54153642	90000098	20241120110839021	B2B	EXCHANGE	A0101	E	O	A0101TW1000001520241101
7	54153642	90000098	20241120110839132	B2B	EXCHANGE	A0101	E	O	A0101TW1000001620241103
8	54153642	90000098	20241120111038336	B2S	STORAGE	F0401	F	O	F0401TW1000002820241102

(XXIII) Query Receiver Routing Code

1. Path: Tools > Search for routing code

(1) Enter "3" to enter the Tools menu.

```

Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 3
  
```

(2) Enter "1" to enter the query recipient bypass code.

```

Location: TOP/Tools
1. Query Receiver Routing Code
2. File Clearing Settings
3. Password Encryption
4. Make PFX
5. Goalkeeper
6. File Encryption
q. Back
Please select an item, or press m to refresh menu: 1
  
```

2. Functional operation instructions

(1) Query the recipient bypass code

- A. Enter the "2" uniform number and type the information in the change setting field, such as "90000098".

```
Location: TOP/Tools/Query Receiver Routing Code
1. Transmission Account: 54153642
2. *Tax ID Number: 90000017
3. Query
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Tax ID Number
Current settings: 90000017
Change settings: 90000098
```

- B. Enter "3" to query the relevant information of the wraparound code.

```
Location: TOP/Tools/Query Receiver Routing Code
1. Transmission Account: 54153642
2. *Tax ID Number: 90000098
3. Query
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

- C. Enter "3" to query the relevant information of the wraparound code.

```
Location: TOP/Tools/Query Receiver Routing Code/Select Routing Code
--. [EINVCT01] 03722305 - 財政部財稅資料中心 (B2B營業人)
--. [PE001038] 90000098-*****98 (B2B營業人)
q. Back
Please select an item, or press m to refresh menu:
```

(XXIV) File clearing settings

1. Path: Tools > File clearing settings

- (1) Enter "3" to enter the Tools menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 3
```

(2) Enter "2" to enter the clearing configuration.

```
Location: TOP/Tools
1. Query Receiver Routing Code
2. File Clearing Settings
3. Password Encryption
4. Make PFX
5. Goalkeeper
6. File Encryption
q. Back
Please select an item, or press m to refresh menu: 2
```

2. Functional operation instructions

(1) clearing configuration

- A. First enter the conditions for clearing the file, such as data retention days, message records, event records, physical files, etc., data retention days, default 30 days. Example here: Enter 1. Data retention days: 30 and 5 are selected.

```
Location: TOP/Tools/File Clearing Settings
1. Days of data retention: 30
2. Clear Message Logs: [X]
3. Clear Event Logs: [X]
4. Clear Physical Files: [X]
5. Clear All: [X]
6. Execute
--. Stop
--. Status: Idle
9. Results
h. Help
q. Back
Please select an item, or press m to refresh menu: 5
```

B. Enter "6" to clear the relevant information.

```
Location: TOP/Tools/File Clearing Settings
1. Days of data retention: 30
2. Clear Message Logs: [X]
3. Clear Event Logs: [X]
4. Clear Physical Files: [X]
5. Clear All: [X]
6. Execute
--. Stop
--. Status: Idle
9. Results
h. Help
q. Back
Please select an item, or press m to refresh menu: 6
```

C. When you want to interrupt the clearing process, you can press "7" to stop. Note: Unless the amount of data is too large, it may not be too late to press stop, and the file will be cleared.

```
Location: TOP/Tools/File Clearing Settings
1. Days of data retention: 30
2. Clear Message Logs: [X]
3. Clear Event Logs: [X]
4. Clear Physical Files: [X]
5. Clear All: [X]
6. Execute
--. Stop
--. Status: Idle
9. Results
h. Help
q. Back
Please select an item, or press m to refresh menu: 7
```

D. Enter "9" execution result to view the previous execution message.

```

Location: TOP/Tools/File Clearing Settings
1. Days of data retention: 30
2. Clear Message Logs: [X]
3. Clear Event Logs: [X]
4. Clear Physical Files: [X]
5. Clear All: [X]
6. Execute
-- Stop
-- Status: Idle
9. Results
h. Help
q. Back
Please select an item, or press m to refresh menu: 9

```

(XXV) Password Encryption

1. Path: Tools > Password Encryption

(1) Enter "3" to enter the Tools menu.

```

Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 3

```

(2) Enter "3" to enter password encryption.

```

Location: TOP/Tools
1. Query Receiver Routing Code
2. File Clearing Settings
3. Password Encryption
4. Make PFX
5. Goalkeeper
6. File Encryption
q. Back
Please select an item, or press m to refresh menu: 3

```

2. Functional operation instructions

(1) Password encryption

- A. Enter "1" plaintext and type data in the change setting field, e.g. "123".

```
Location: TOP/Tools/Password Encryption
1. Plain Text:
--. Encrypted Text:
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: Plain Text
Current settings:
Change settings: 123
```

- B. Display the query results.

```
Location: TOP/Tools/Password Encryption
1. *Plain Text: 123
--. *Encrypted Text: {TVAES}K9vaX6F1xPJjwo6oAjkW5w==
h. Help
q. Back
Please select an item, or press m to refresh menu:
```

(XXVI) Make software credentials

1. Path: Tool > Produce Software Certificate

- (1) Enter "3" to enter the Tools menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 3
```

- (2) Enter "4" to enter the software certificate.

```
Location: TOP/Tools
1. Query Receiver Routing Code
2. File Clearing Settings
3. Password Encryption
4. Make PFX
5. Goalkeeper
6. File Encryption
q. Back
Please select an item, or press m to refresh menu: 4
```

2. Functional operation instructions

(1) Step 1. Generate the key

A. Enter "1" to proceed to step 1. Generate the key.

```
Location: TOP/Tools/System Environment Setting
1. Step1. Generate Key
2. Step2. Generate CSR
3. Step3. Generate PFX
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter the uniform number of "1" and type the data in the change settings, such as "90000017".

```
Location: TOP/Tools/Make PFX/Step1. Generate Key
1. Tax ID Number:
2. Setup Password(Please enter 8-digit alphanumeric characters):
--. Key File:
4. Generate Key
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: Tax ID Number
Current settings:
Change settings: 90000017|
```

C. Enter "2" to set the password, and type the password in the Change Settings and Reconfirm fields.

```

Location: TOP/Tools/Make PFX/Step1. Generate Key
1. *Tax ID Number: 90000017
2. Setup Password(Please enter 8-digit alphanumeric characters):
--. Key File:
4. Generate Key
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Setup Password(Please enter 8-digit alphanumeric characters)
Current settings:
Change password:

Double confirm:

```

D. Enter "4" to generate the key.

```

Location: TOP/Tools/Make PFX/Step1. Generate Key
1. *Tax ID Number: 90000017
2. *Setup Password(Please enter 8-digit alphanumeric characters): *****
--. Key File:
4. Generate Key
q. Back
Please select an item, or press m to refresh menu: 4
Key Generation Completed

```

E. Display the query results. and the key in the key file path.

```

Location: TOP/Tools/Make PFX/Step1. Generate Key
1. *Tax ID Number: 90000017
2. *Setup Password(Please enter 8-digit alphanumeric characters): *****
--. *Key File: .\cert\PFX\90000017_20250110120334.key
4. Generate Key
q. Back
Please select an item, or press m to refresh menu:

```

(2) Step 2: Produce the document request file (CSR)

A. Enter "2" to enter Step 2.Produce Certificate Request File.

```

Location: TOP/Tools/System Environment Setting
1. Step1. Generate Key
2. Step2. Generate CSR
3. Step3. Generate PFX
h. Help
q. Back
Please select an item, or press m to refresh menu: 2

```

B. Enter the "1" file path and type the key file path from step 1 in the Change Settings section.

```

Location: TOP/Tools/Make PFX/Step2. Generate CSR
1. File Path:
2. Password(Please enter 8-digit alphanumeric characters):
--. Credential Request File (CSR) file path:
4. Generate CSR
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: File Path
Current settings:
Change settings: .\cert\PFX\90000017_20250110120334.key

```

C. Enter the "2" key password, and type the key password from step 1 in the Change Settings and Reconfirmation section.

```

Location: TOP/Tools/Make PFX/Step2. Generate CSR
1. *File Path: .\cert\PFX\90000017_20250110120334.key
2. Password(Please enter 8-digit alphanumeric characters):
--. Credential Request File (CSR) file path:
4. Generate CSR
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Password(Please enter 8-digit alphanumeric characters)
Current settings:
Change password:
Double confirm:

```

D. Enter the "4" production certificate request document.

```

Location: TOP/Tools/Make PFX/Step2. Generate CSR
1. *File Path: .\cert\PFX\90000017_20250110120334.key
2. *Password(Please enter 8-digit alphanumeric characters): *****
--. Credential Request File (CSR) file path:
4. Generate CSR
q. Back
Please select an item, or press m to refresh menu: 4

```

E. The credentials will be placed under the credential request file (CSR) file path.

```

CSR Production CompletedPlease Upload the CSR to the Certificate Management Center, Obtain the Certificate Signed by the Certificate Management Center, and Then Execute Step3
Location: TOP/Tools/Make PFX/Step2. Generate CSR
1. *File Path: .\cert\PFX\90000017_20250110120334.key
2. *Password(Please enter 8-digit alphanumeric characters): *****
--. *Credential Request File (CSR) file path: .\cert\PFX\90000017_20250110120334.csr
4. Generate CSR
q. Back
Please select an item, or press m to refresh menu:

```

Note: After the CSR production system is completed, the salesperson is requested to upload the CSR to the Certificate Management Center, obtain the certificate signed by the

Certificate Management Center, and then execute Step 3.

(3) Step 3. Combine PFX/vouchers

A. Enter "3" to enter the function of combining PFX/credentials.

```
Location: TOP/Tools/System Environment Setting
1. Step1. Generate Key
2. Step2. Generate CSR
3. Step3. Generate PFX
h. Help
q. Back
Please select an item, or press m to refresh menu: 3
```

B. Enter the "1" key file path and type the key file path from step 1 in the Change Settings field.

```
Location: TOP/Tools/Make PFX/Step3. Generate PFX
1. Key file path:
2. Credential file (CER) file path:
3. Password(Please enter 8-digit alphanumeric characters):
-- Portfolio Document (PFX) file path:
5. Generate combined voucher file (PFX)
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: Key file path
Current settings:
Change settings: .\cert\PFX\90000017_20250110120334.key
```

C. Enter the path of the "2" credential file (CER) file, and type the credential information signed by the Credential Management Center in the Change Settings section.

```
Location: TOP/Tools/Make PFX/Step3. Generate PFX
1. *Key file path: .\cert\PFX\90000017_20250110120334.key
2. Credential file (CER) file path:
3. Password(Please enter 8-digit alphanumeric characters):
-- Portfolio Document (PFX) file path:
5. Generate combined voucher file (PFX)
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Credential file (CER) file path
Current settings:
Change settings: C:\Users\dogto\test\EINVTurnkey320_7_3642\cert\PFX\6CC69B2A767536460A5705F11EFDDE34.cer
```

D. Enter the "3" key password, and type the key password from step 1 in the Change Settings and Reconfirmation section.

```

Location: TOP/Tools/Make PFX/Step3. Generate PFX
1. *Key file path: .\cert\PFX\90000017_20250110120334.key
2. *Credential file (CER) file path: C:\Users\dogto\test\EINVTurnkey320_7_3642\cert\PF
X\6CC69B2A767536460A5705F11EFDDE34.cer
3. Password(Please enter 8-digit alphanumeric characters):
-- Portfolio Document (PFX) file path:
5. Generate combined voucher file (PFX)
q. Back
Please select an item, or press m to refresh menu: 3
Setting items: Password(Please enter 8-digit alphanumeric characters)
Current settings:
Change password:

Double confirm:

```

- E. Enter "5" to generate a combined certificate file (PFX), and the system displays the query results.

```

Location: TOP/Tools/Make PFX/Step3. Generate PFX
1. *Key file path: .\cert\PFX\90000017_20250110120334.key
2. *Credential file (CER) file path: C:\Users\dogto\test\EINVTurnkey320_7_3642\cert\PF
X\6CC69B2A767536460A5705F11EFDDE34.cer
3. *Password(Please enter 8-digit alphanumeric characters): *****
-- Portfolio Document (PFX) file path:
5. Generate combined voucher file (PFX)
q. Back
Please select an item, or press m to refresh menu: 5
Generate Portfolio Voucher (PFX) complete

```

(XXVII) Goalkeeper

1. Path: Tool > Goalkeeper

- (1) Enter "3" to enter the Tools menu.

```

Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 3

```

- (2) Enter "5" goalkeeper

```
Location: TOP/Tools
1. Query Receiver Routing Code
2. File Clearing Settings
3. Password Encryption
4. Make PFX
5. Goalkeeper
6. File Encryption
q. Back
Please select an item, or press m to refresh menu: 5
```

2. Functional operation instructions

(1) Goalkeeper schedule

A. Enter "1" to enter the goalkeeper arrangement settings.

```
Location: TOP/Tools/Goalkeeper
1. Goalkeeper Setting
2. QR Code Verification
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

B. Enter the "2" report production directory and type the information in the change settings, such as "C:\NEWTurnkey\rpt".

```
Location: TOP/Tools/Goalkeeper/Goalkeeper Setting
1. Enable Goalkeeper: [X]
2. Report Directory:
3. Save
4. Reset
5. Report Schedule Setting
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Report Directory
Current settings:
Change settings: C:\NEWTurnkey\rpt
```

C. Enter "3" to save.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting
1. Enable Goalkeeper: [X]
2. *Report Directory: C:\NEWTurnkey\rpt
3. Save
4. Reset
5. Report Schedule Setting
q. Back
Please select an item, or press m to refresh menu: 3
Save Success

```

D. Enter "5" report schedule settings.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting
1. Enable Goalkeeper: [X]
2. Report Directory: C:\NEWTurnkey\rpt
3. Save
4. Reset
5. Report Schedule Setting
q. Back
Please select an item, or press m to refresh menu: 5

```

(A) Enter "1" to list all schedules, and the system displays the query results.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting
1. List all schedules
--. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 1

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/List all schedules
1. Platform Reply Failure List Yes 17:46
2. Certificate Checklist Yes 11:11
3. Turnkey Processing Failure List Yes 17:47
4. Upload Invoice List Yes 17:42
q. Back
Please select an item, or press m to refresh menu:

```

(B) Enter "2" to add a schedule.

- a. Enter the report type "1" and type the data in the change setting, for example, "1".

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting
1. List all schedules
2. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 2

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Add Schedule
1. Report Type: Turnkey Processing Failure List
2. Enable: [X]
3. Schedule Time(e.g.11:00):
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: Report Type
Current settings: Turnkey Processing Failure List
1. *Turnkey Processing Failure List
Change settings: 1

```

b. Enter "2" to enable the schedule.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Add Schedule
1. Report Type: Turnkey Processing Failure List
2. Enable: [X]
3. Schedule Time(e.g.11:00):
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 2

```

c. Enter the schedule time of "3" and type the data in the change setting, e.g. "09:00".

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Add Schedule
1. Report Type: Turnkey Processing Failure List
2. *Enable: [ ]
3. Schedule Time(e.g.11:00):
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 3
Setting items: Schedule Time(e.g.11:00)
Current settings:
Change settings: 09:00

```

d. Enter "4" to save, and display the query results.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Add Schedule
1. Report Type: Turnkey Processing Failure List
2. *Enable: [ ]
3. *Schedule Time(e.g.11:00): 09:00
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
Save Success

```

(C) Enter "3" to edit the schedule.

a. Select the schedule you want to modify, for example, enter "1".

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting
1. List all schedules
--. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 3

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Edit Schedule
1. Platform Reply Failure List Yes 17:46
2. Certificate Checklist Yes 11:11
3. Turnkey Processing Failure List Yes 17:47
4. Upload Invoice List Yes 17:42
q. Back
Please select an item, or press m to refresh menu: 1

```

- b. Select the item you want to modify, e.g. "3" schedule time, and type the data in the change setting, e.g. "09:10".

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Edit Schedule/Edit Schedule[Platform Reply Failure List]
--. Report Type: Platform Reply Failure List
2. Enable: [X]
3. Schedule Time(e.g.11:00): 17:46
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 3
Setting items: Schedule Time(e.g.11:00)
Current settings: 17:46
Change settings: 09:10

```

- c. Enter "4" to save, and display the query results.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Edit Schedule/Edit Schedule[Platform Reply Failure List]
--. Report Type: Platform Reply Failure List
2. Enable: [X]
3. *Schedule Time(e.g.11:00): 09:10
4. Save
5. Reset
q. Back
Please select an item, or press m to refresh menu: 4
Save Success

```

- (D) Enter "4" to delete the schedule, enter "3" Turnkey end processing failure list, and the system displays the query results.

```

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting
1. List all schedules
--. Add Schedule
3. Edit Schedule
4. Delete Schedule
q. Back
Please select an item, or press m to refresh menu: 4

Location: TOP/Tools/Goalkeeper/Goalkeeper Setting/Report Schedule Setting/Delete Schedule
1. Platform Reply Failure List Yes 09:10
2. Certificate Checklist Yes 11:11
3. Turnkey Processing Failure List Yes 17:47
4. Upload Invoice List Yes 17:42
q. Back
Please select an item, or press m to refresh menu: 3
Delete Success

```

(2) QRCode Verification

- A. Enter "2" to enter QRCode Verification.

```

Location: TOP/Tools/Goalkeeper
1. Goalkeeper Setting
2. QR Code Verification
h. Help
q. Back
Please select an item, or press m to refresh menu: 2

```

- B. Enter the "1" password seed and type the data in the change setting field, such as "12345678".

```

Location: TOP/Tools/Goalkeeper/QRCode verification
1. Password Seed:
--. AES Key:
3. Generate AES Key
4. QR Code Encrypted String:
5. QR code Decryption Method: Password Seed
6. QRCode key:
7. QRCode verification
q. Back
Please select an item, or press m to refresh menu: 1
Setting items: Password Seed
Current settings:
Change settings: 12345678

```

- C. Enter "3" to generate the AES key, and the system displays the query results.

```

Location: TOP/Tools/Goalkeeper/QRCode verification
1. *Password Seed: 12345678
--. AES Key:
3. Generate AES Key
4. QR Code Encrypted String:
5. QR code Decryption Method: Password Seed
6. QRCode key:
7. QRCode verification
q. Back
Please select an item, or press m to refresh menu: 3

```

- D. Enter "4" QRCode encrypted string, and type the encrypted string information in the change settings, e.g. "A123456781041219123400000b400000b4000000054185095dSynr83S3oOPU5HiEx49w==".

```

Location: TOP/Tools/Goalkeeper/QRCode verification
1. Password Seed:
--. ABS Key:
3. Generate ABS Key
4. QR Code Encrypted String:
5. QR code Decryption Method: Password Seed
6. QRCode key:
7. QRCode verification
q. Back
Please select an item, or press m to refresh menu: 4
Setting items: QR Code Encrypted String
Current settings:
Change settings: A1234567810412191234000000b4000000b40000000054185095dSypnr83S3o0PU5HiEx49w==

```

E. Enter the "5" QRCode decryption method and enter the "1" password seed.

```

Location: TOP/Tools/Goalkeeper/QRCode verification
1. Password Seed:
--. ABS Key:
3. Generate ABS Key
4. *QR Code Encrypted String: A1234567810412191234000000b4000000b40000000054185095dSypnr83S3o0PU5HiEx49w==
5. QR code Decryption Method: Password Seed
6. QRCode key:
7. QRCode verification
q. Back
Please select an item, or press m to refresh menu: 5
Setting items: QR code Decryption Method
Current settings: Password Seed
1. *Password Seed
2. 32-bit Keys(Base 16)
Change settings: 1

```

F. Enter the "6" QRCode key and type the encrypted string data in the change settings, such as "12345678".

```

Location: TOP/Tools/Goalkeeper/QRCode verification
1. Password Seed:
--. ABS Key:
3. Generate ABS Key
4. *QR Code Encrypted String: A1234567810412191234000000b4000000b40000000054185095dSypnr83S3o0PU5HiEx49w==
5. QR code Decryption Method: Password Seed
6. QRCode key:
7. QRCode verification
q. Back
Please select an item, or press m to refresh menu: 6
Setting items: QRCode key
Current settings:
Change settings: 12345678

```

(XXVIII) File encryption and decryption

1. Path : Tools > File encryption and decryption

(1) Enter "3" to enter the Tools menu.

```
Location: TOP
1. Transfer Settings
2. Query Logs
3. Tools
4. Help
5. Finish
Please select an item, or press m to refresh menu: 3
```

- (2) Enter "6" file encryption and decryption.

```
Location: TOP/Tools
1. Query Receiver Routing Code
2. File Clearing Settings
3. Password Encryption
4. Make PFX
5. Goalkeeper
6. File Encryption
q. Back
Please select an item, or press m to refresh menu: 6
```

2. Functional operation instructions

- (1) Enable Upload File Encryption Backup

- A. Enter "1" to enable encrypted backup of uploaded files.

```
Location: TOP/Tools/File Encryption
1. Enable File Encryption Backup: [ ]
2. Set Password:
3. Save Encrypted Backup
4. Reset Backup Encryption
5. The Path of the File to be Decrypted:
--. Decrypted file:
7. Decrypt
h. Help
q. Back
Please select an item, or press m to refresh menu: 1
```

- (2) Set Password

- A. Enter "2" to set the password, and type the password in the Change Settings and Reconfirm fields.

```

Location: TOP/Tools/File Encryption
1. *Enable File Encryption Backup: [X]
2. Set Password:
3. Save Encrypted Backup
4. Reset Backup Encryption
5. The Path of the File to be Decrypted:
--. Decrypted file:
7. Decrypt
h. Help
q. Back
Please select an item, or press m to refresh menu: 2
Setting items: Set Password
Current settings:
Change password:
Double confirm: █

```

(3) Save Backup Encryption3

- A. Enter "3" Save Backup Encryption. After Save, the backup file uploaded to the electronic invoice platform is encrypted again and stored in the encodeFolder directory of the working directory.

```

Location: TOP/Tools/File Encryption
1. *Enable File Encryption Backup: [X]
2. *Set Password: *****
3. Save Encrypted Backup
4. Reset Backup Encryption
5. The Path of the File to be Decrypted:
--. Decrypted file:
7. Decrypt
h. Help
q. Back
Please select an item, or press m to refresh menu: 3

```

VII. Description of Data Processing Process

(I) Upload and download processes

This section describes the process of each task during the operations of Turnkey.

Turnkey has two types of task, “invoice upload” and “invoice download.” For “invoice upload”, there are **【Upcast】** , **【Pack】** and **【Sendfile】** , while for “invoice download”, there are **【Receivefile】** , **【Unpack】** and **【DownCast】** . All these tasks are described in details below.

1. Upcast: this converts the source file into a message acceptable to the E-Invoice Platform. The content of TURNKEY_MESSAGE_LOG is updated as soon as a file is received. The update includes the addition of SEQNO and SUBSEQNO and the change of status to P (Processing). The source file received is processed depending on whether it is in XML format. All in all, there are three steps:

Starting from this version (3.0.0), the platform supports v4.0. If the source information version is set to v31, use the v31 version to upload; If the version version of the source information is set to v32, use the v32 version to upload; If the source information version is set to v4.0, the v40 version is used to upload it.

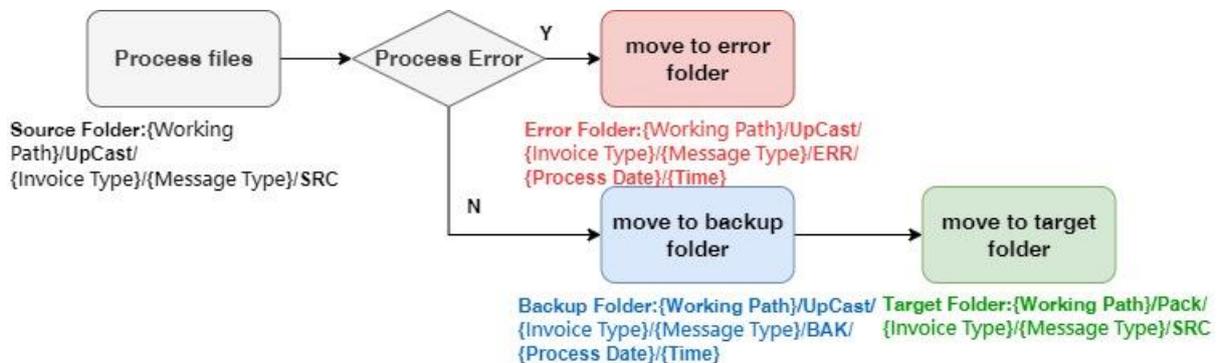
The system will append the invoice to the same file according to the following rules.

- (1) B2B exchange: one file for one invoice;
- (2) If an invoice comes with an appended file, then it is one file for every invoice;
- (3) B2C certificate: for the same (agent) sender, it is one file for every 1000 invoices or 15MB;

- (4) B2B certificate: for the same sender and receiver, it is one file for every 1000 invoices or 15MB;

After processing more than 10,000 invoices or source documents, the files will be moved to the source directory of **【Upload Package】**, and the original files will be backed up to the BAK directory, and sorted by date and time. The data tables TURNKEY_MESSAGE_LOG and TURNKEY_MESSAGE_LOG_DETAIL are updated. Invoice information will be added to TURNKEY_MESSAGE_LOG; the processing time and status (G for successful processing and E for unsuccessful processing) are added to TURNKEY_MESSAGE_LOG_DETAIL.

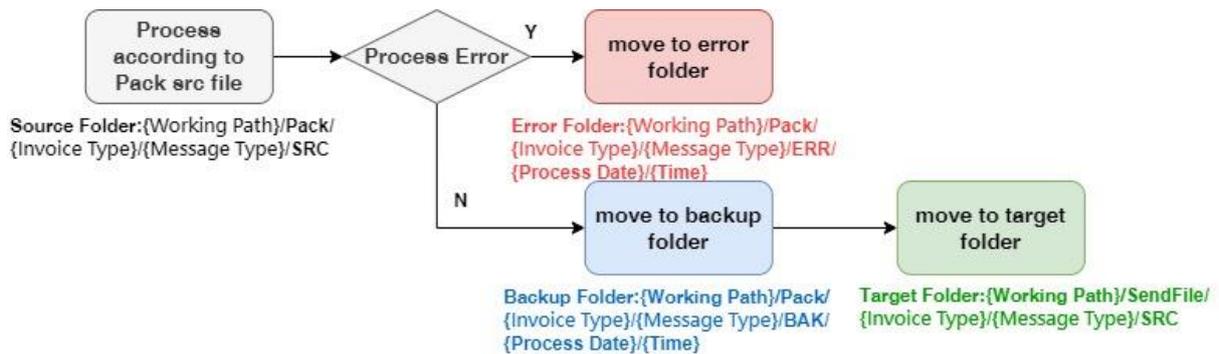
In case of any failure during the processing, if the file is in the XML format, that file will be moved to the ERR directory and sorted by date and time.



For the format for the files generated from this step, refer to UpCast in “VI.2 Turnkey work directories” of this Manual.

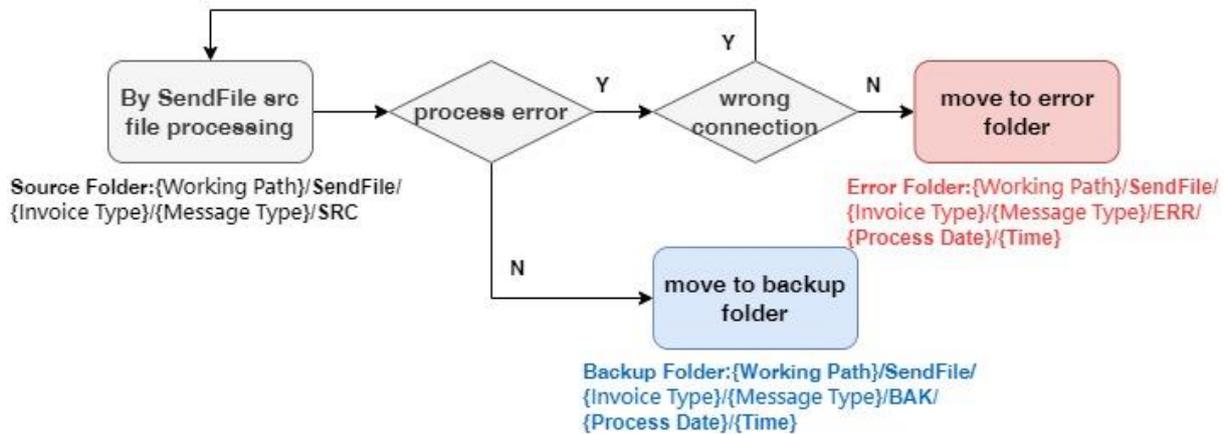
2. Pack: Responsible for adding documents to SIG and signing operations. During processing, the file is moved to the source directory of the **【Transfer File】**. After the processing is completed, the original file will be backed up to the BAK directory by date and time. At the end of process, the file is sorted by date and time, the backup of the original file

is placed in the BAK directory, and the contents of data tables TURNKEY_MESSAGE_LOG and TURNKEY_MESSAGE_LOG_DETAIL are updated. For TURNKEY_MESSAGE_LOG, the status will be updated to E if the processing fails. For TURNKEY_MESSAGE_LOG_DETAIL, the processing time and status (G for successful processing and E for unsuccessful processing) are added.



For the format of files received / generated in this step, refer to Pack in “VI.2 Turnkey work directories” of this Manual.

3. Sendfile: this sends files to the E-Invoice Platform. If the transmission failure occurs (whether due to FTP or Web API) and leads to unsuccessful transmission, it will attempt to send again. If the failure persists, the file will be kept where it is until it is sent. At the end of processing, the file will be sorted by date and time, a backup of the original file will be placed in the BAK directory and the contents of data tables TURNKEY_MESSAGE_LOG and TURNKEY_MESSAGE_LOG_DETAIL are updated. For TURNKEY_MESSAGE_LOG, if an error occurs to transmission, the status will be updated to E, otherwise it will be updated to G; for TURNKEY_MESSAGE_LOG_DETAIL, the processing time and status (G for successful processing and E for unsuccessful processing) are added.

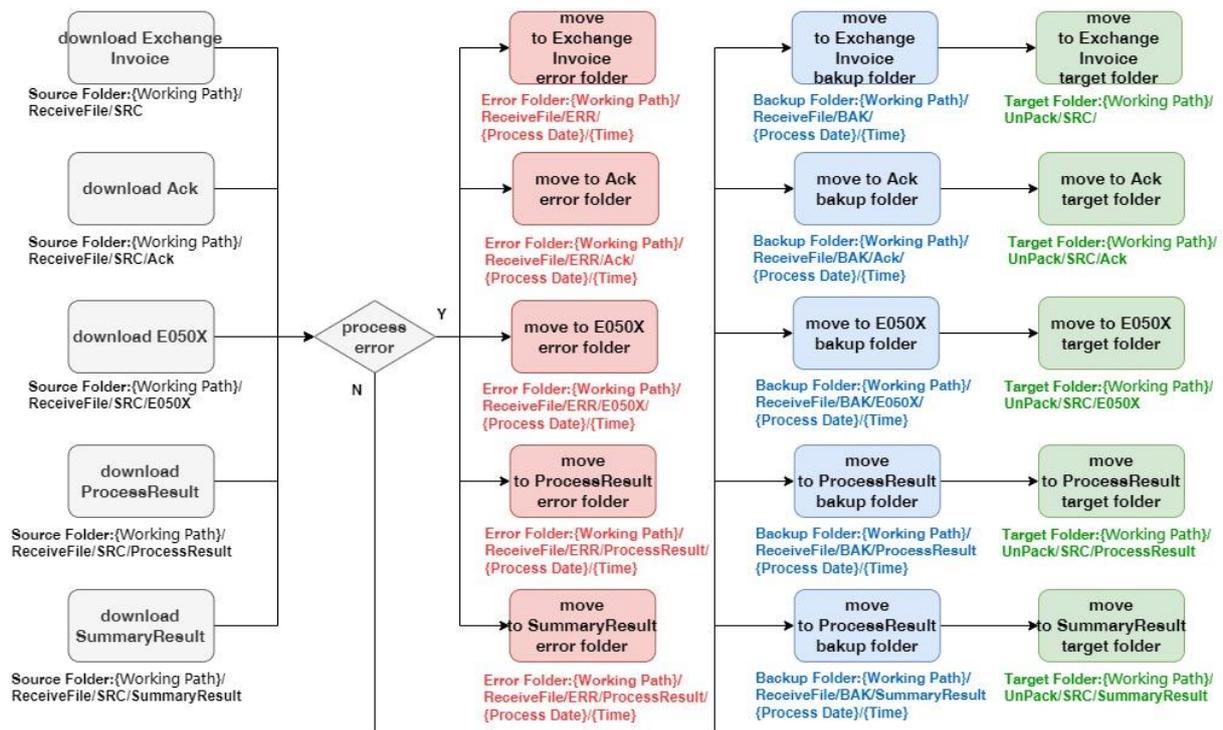


For the format of files received in this step, refer to SendFile in “VI.2 Turnkey work directories” of this Manual.

4. Receivefile: this receives data from the E-Invoice Platform, moves the file received to the **【Unpack】** directory, and keeps a backup of the original file in the BAK directory. If the file received is ProcessResult or SummaryResult, the matching record will be located in the data table TURNKEY_MESSAGE_LOG and the contents of TURNKEY_MESSAGE_LOG_DETAIL updated. If no corresponding record is found, it will be written in the event logbook, or a new entry will be added in each of the TURNKEY_MESSAGE_LOG and TURNKEY_MESSAGE_LOG_DETAIL.

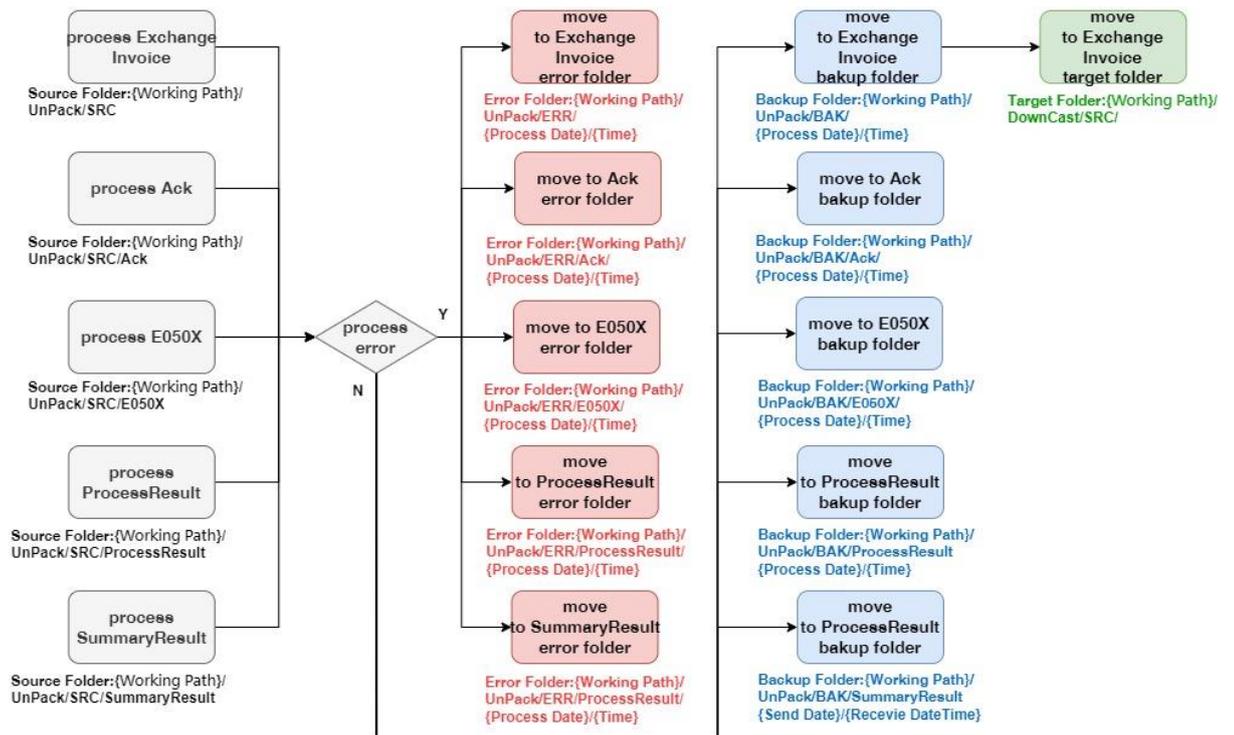
The received file is the following data:

- (1) E0501 Operator Electronic Invoice Numbering File (Source Message Version v3.x or above).
- (2) E0502 Invoice document for business person's input deposit (source message version v4.1 is applicable)
- (3) E0503 Operator's Input Deposit Discount Single File (Source News Version V4.1 is applicable)
- (4) E0504 winning list data file (MIG V4.0 new message, so only when the source message version is switched to v4.0)



5. Unpack: this decrypts and unpacks the data received. Data received from the E-Invoice Platform are always provided with a signature, and, therefore, the signature has to be decrypted. For ProcessResult, the matching record is located in TURNKEY_MESSAGE_LOG using the uuid in the filename and date and the processing status updated via MessageType, Parameter0 (invoice number) and Parameter1 (date) in the ProcessResult. A new entry is added in the TURNKEY_MESSAGE_LOG_DETAIL.

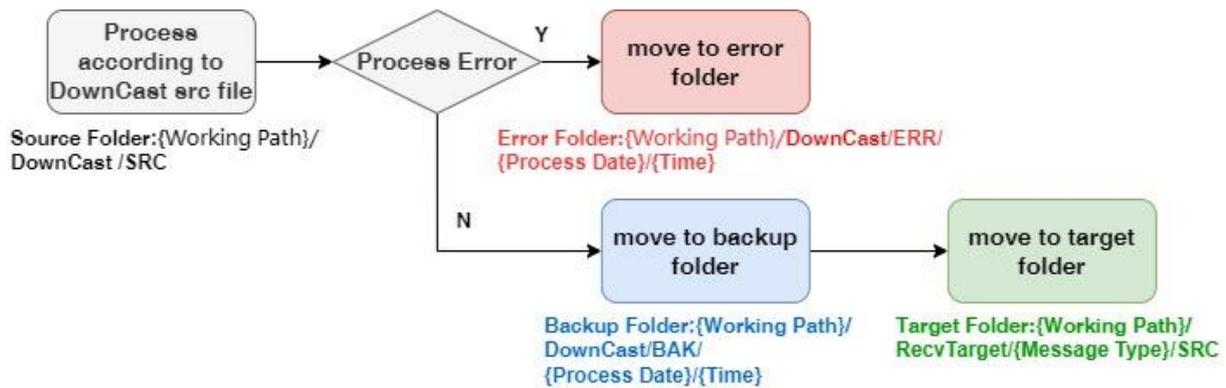
For a message, a new entry is added to TURNKEY_MESSAGE_LOG_DETAIL.



- Downcast: this converts the B2B exchange message into the appointed format, which is the reverse of the **【Upcast】** task.

During the conversion process, if the processing is successful, the file is moved to the corresponding folder of the RecvTarget directory, and the original file is backed up in the BAK directory, and sorted by date and time. Update the data table TURNKEY_MESSAGE_LOG and add a record to the TURNKEY_MESSAGE_LOG_DETAIL.

When an error occurs during the processing, a new entry will be added to TURNKEY_SYSEVENT_LOG specifying the cause of error and indicating its trace in addition to the update of status in TURNKEY_MESSAGE_LOG and TURNKEY_MESSAGE_LOG_DETAIL.



The database and file directories require clearing on a regular basis. The clearing can be done manually with the tools provided in Turnkey as well as by schedule.

(II) Turnkey work directories

This section describes the use of the file folders in the installation and work directories when the Turnkey is installed.

- The file folders in the installation directory are described below:

Folder name	Description
h2engine	Turnkey defaults to the Library used by the h2 database.
lib	Place all the libraries that need to be used in the Turnkey execution.
modules	Place the Turnkey to execute the common module
log	After the installation of Turnkey, a location for storing the log needs to be set. The system recording file is divided into Turnkey.log and Turnkey-SYS.log, daily execution or execution will be automatically divided into daily rolling files, no need to clear the file, the file name format after the file is Turnkey-YYYY-MM-DD.N.log and Turnkey-YYYY-MM-DD-SYS.N.log, the file size is automatically slitted every 200MB, N is the serial number after slitting, and the earliest record starts from 0. Turnkey .log is the complete download process record, and Turnkey-SYS .log is the system error record and the upper download error record.

EINVUPGRADE	Staging location for update files. When Turnkey starts, it will first check whether there are installation files under it, and if so, perform the installation.
cert	SSL CA is required to store the link to the electronic invoice platform.
jre	Download openJDK 17 jre for Turnkey operation.
monitor	Store the configuration files and execution records required for monitoring execution.

■ The file folders in the work directory are described below:

Folder name	Description
UpCast	<p>This is the directory used when Turnkey is processing “UpCast.”It has the following subdirectories:</p> <p>B2BEXCHANGE(for B2B exchange)</p> <p>B2BSTORAGE(for B2B certificates, MIG V3. X applies)</p> <p>B2CSTORAGE(for B2C certificates, MIG V3. X applies)</p> <p>B2SSTORAGE(for certificates, MIG V4.0 and above apply)</p> <p>Each processing has a corresponding message folder under it, depending on the version set in Turnkey. By default, the directory will be created according to the V31 message format (please check whether the default is created according to V31 or the set version).</p> <p>If the default is used, the user will place the invoice message to be uploaded in the SRC folder in the directory corresponding to the message with no restriction for filename.</p> <p>For example, if data A0101 is to be used, it shall be placed in:</p> <p>.\EINVTurnkey\UpCast\B2BEXCHANGE\A0101\SRC</p> <p>If no error occurs to the file processed, the file will be placed</p>

Folder name	Description
	<p>in the BAK folder in its message directory and sorted by date and time.</p> <p>For example: .\EINVTurnkey\UpCast\B2BEXCHANGE\A0101\BAK\.\$ {proc. date (yyyyMMdd)}\\${proc. time (HH)}</p> <p>In the event of a processing error, the file will be placed in the ERR folder in its message directory. .\EINVTurnkey\UpCast\B2BEXCHANGE\A0101\ERR\.\$ {proc. date (yyyyMMdd)}\\${proc. time (HH)}</p>
Pack	<p>This is the directory used when Turnkey is processing “Pack.” It has the following subdirectories:</p> <p>B2BEXCHANGE(for B2B exchange) B2BSTORAGE(for B2B certificates, MIG V3. X applies) B2CSTORAGE(for B2C certificates, MIG V3. X applies) B2SSTORAGE(for certificates, MIG V4.0 and above apply)</p> <p>Files are placed in the SRC folder in respective directories based on the type of processing; for example: .\EINVTurnkey\Pack\B2BEXCHANGE\SRC</p> <p>The filename format is: \$SRCFILE_ \$SENER_ BAN_ \$RECEIVER_ BAN_ \$VERSION- \$MIG_ TYPE- \${msg date & time (yyyyMMdd- HHmmssSSS)}- \$uuid_ \$cnt</p> <p>\$SRCFILE: the original filename of UpCast; \$SENER_ BAN: sender’s tax ID number, added depending on the message content; for example: an invoice is issued and \$SENER_ BAN indicates the sender’s tax ID number. \$RECEIVER_ BAN: receiver’s tax ID number, added depending on the message content; for example: an invoice is issued and \$RECEIVER_ BAN indicates the receiver’s tax ID number;</p>

Folder name	Description
	<p>if it is a certificate, it contains 8 zeros, i.e. 00000000.</p> <p>\$VERSION: version starting with a lower case v, such as v40</p> <p>\$MIG_TYPE: message type, such as A0101</p> <p>\$yyyyMMdd: date, such as 20240101</p> <p>\$HHmmssSSS: time, such as 172021666</p> <p>\$uuid: 36-digit uuid; for example: 86ba6a1c-45e7-4162-99ff-3c011c8b017c</p> <p>\$cnt: number of pieces of data contained in the packet.</p> <p>If no error occurs to the file processed, the file will be placed in the BAK folder in its message directory and sorted by date and time. For example: .\GEINVTNK\Pack\B2BEXCHANGE\BAK\.\$\{proc. date (yyyyMMdd)}\\$\{proc. time (HH)}</p> <p>If an error occurs, the file will be placed in the ERR folder in its message directory and sorted by date and time. For example: .\GEINVTNK\Pack\B2BEXCHANGE\ERR\.\$\{proc. date (yyyyMMdd)}\\$\{proc. time (HH)}</p>
SendFile	<p>This is the directory used when Turnkey is processing “Pack.” It has the following subdirectories:</p> <p>B2BEXCHANGE(for B2B exchange)</p> <p>B2BSTORAGE(for B2B certificates, MIG V3. X applies)</p> <p>B2CSTORAGE(for B2C certificates, MIG V3. X applies)</p> <p>B2SSTORAGE(for certificates, MIG V4.0 and above apply)</p> <p>B2PMESSAGE(for B2P messages)</p> <p>Files are placed in the SRC folder in respective directories based on the type of processing; for example: .\GEINVTNK\SendFile\B2BEXCHANGE\SRC</p> <p>The filename format is the same as that in Pack:</p>

Folder name	Description
	<p>If no error occurs to the file processed, the file will be placed in the BAK folder in its message directory and sorted by date and time. For example: .\GEINVTNK\SendFile\B2BEXCHANGE\BAK \.\${proc. date (yyyyMMdd)}\\${proc. time (HH)}</p> <p>If an error occurs, the file will be placed in the ERR folder in its message directory and sorted by date and time. For example: .\GEINVTNK\SendFile\B2BEXCHANGE\ERR\.\${proc. date (yyyyMMdd)}\\${proc. time (HH)}</p>
ReceiveFile	<p>This is the directory used when Turnkey is processing “ReceiveFile.”</p> <p>The files received by Turnkey from the E-Invoice Platform are placed in the SRC folder in respective directories based on the type of processing; for example: .\EINVTurnkey\ReceiveFile\SRC</p> <p>The filename format is:</p> <ol style="list-style-type: none"> EXCHANGE : \$VERSION-\$MIG_TYPE-\${proc. date & time (yyyyMMdd-HHmmsSSS)}-\$uuid \$VERSION: version started with a lower case v, such as: v31 \$MIG_TYPE: type of message, such as: A0101 \$yyyyMMdd: date, such as: 20110101 \$HHmmsSSS: time, such as: 172021666 \$uuid: 36-digit uuid, such as: 86ba6a1c-45e7-4162-99ff-3c011c8b017c Ack \$VERSION-\$MIG_TYPE-\${proc. date & time (yyyyMMdd-HHmmsSSS)}-\$uuid.Ack <p>he field description is the same as that of the exchange invoice, and the uuid value is the same as the uuid of the</p>

Folder name	Description
	<p>uploaded invoice.</p> <p>3. E05XX \$VERSION-\$PARTYID-{\$proc. date & time (yyyyMMdd-HHmmsSSS)}.E05XX \$VERSION : version started with a lower case v, such as: v31 \$PARTYID : salesperson id \$yyyyMMdd : date, such as: 20110101 \$HHmmsSSS: time, such as: 172021666 The extension is the name of the message, such as : E0501 、 E0502 、 E0503</p> <p>4. E0504 \${unit(1)}_\${category(1)}_\${seller(8)}_\${months(5)}_\${create date(yyyyMMddHHmms)}_\${file seq(3)}_\${file cnt(3)}.zip.E0504 months : ROC Year(3) +Month(2) , such as : 11301</p> <p>5. SummaryResult \${Sender Ban(8)}-\${Sender Routing(8)}-\${Recv Ban(8)}-\${Recv Routing(8)}-\${Trans Date(yyyyMMdd)}-\${Platform Trans Date (yyyyMMddHHmmsSSS)}-\${count}.SummaryResult</p> <p>6. ProcessResult \$VERSION-\$MIG_TYPE-{\$proc.-time(yyyyMMdd-\$HHmmsSSS)}-\$uuid.ProcessResult The field description is the same as that of the exchange invoice, the uuid value is the same as the uploaded invoice, and the extension name is ProcessResult.</p> <p>The file received will be placed in the BAK folder in its message directory and sorted by date and time. For example: .EINVTurnkey\ReceiveFile\BAK\\${type}\.\${proc. date (yyyyMMdd)}\\${proc. time (HH)}</p> <p>Type example :</p>

Folder name	Description
	<p>1. Exchange: There is no additional layer of receiving category folders, and they are stored according to the processing date, for example: ReceiveFile\BAK\20231224\18</p> <p>2. Ack example: ReceiveFile\BAK\Ack\20231224\18</p> <p>3.E05XX:ReceiveFile\BAK\E05XX\20231224\18</p> <p>4.ProcessResult:ReceiveFile\BAK\ProcessResult\20231224\18</p> <p>5.SummaryResult: ReceiveFile\BAK\SummaryResult\20231224\18</p>
Unpack	<p>The directory used by Turnkey when processing "download unpacking".</p> <p>Place them in the SRC folder under each directory according to the processing type. For example: .\EINVTurnkey\Unpack\SRC</p> <p>After the processing, if there is no processing error, the file will be placed in the BAK folder under the processing type directory.</p> <p>If the processed file is an exchange invoice, the processed file will be placed under BAK. For example: Unpack\BAK\\${Processing date (yyyyMMdd)}\\${Time (HH)}</p> <p>If the error is stored in ERR Unpack\ERR\\${Processing date (yyyyMMdd)}\\${Time (HH)}</p> <p>If the processed file is ProcessResult, the processed file will be placed in the f directory under BAK. For example: Unpack\BAK\ProcessResult\\${Processing date (yyyyMMdd)}\\${Time (HH)}</p>

Folder name	Description
	<p>If the error is stored in Unpack\ERR\ProcessResult\\${processing date (yyyyMMdd)}\\${time (HH)}</p> <p>If the processed file is SummaryResult, the processed file will be placed in the SummaryResult directory under BAK and classified according to the invoice transmission date and the file receiving date. For example: Unpack\BAK\SummaryResult\\${Send date (yyyyMMdd)}\\${Processing date and time (yyyyMMddHH)}</p> <p>If the error is stored in Unpack\ERR\SummaryResult\\${Processing Date (yyyyMMdd)}\\${Time (HH)}</p> <p>If the processed files are E0501, E0502, E0503, and E0504, the processed files will be placed in the BAK directory and classified according to the message type and date and time. For example: . \EINVTurnkey\Unpack\BAK\\${E050X}\\$yyyyMMdd\\$HH</p> <p>If the error is stored in ERR Unpack\ERR\\${E050X}\\${Processing date (yyyyMMdd)}\\${Time (HH)}</p>
DownCast	<p>This is the directory used when Turnkey is processing “DownCast.”</p> <p>Files are placed in the SRC folder in respective directories based on the type of processing; for example: . \EINVTurnkey\DownCast\SRC</p> <p>If no error occurs to the file processed, the file will be placed in the BAK folder in its message directory and sorted by</p>

Folder name	Description
	<p>date and time. For example: .\EINVTurnkey\DownCast\BAK\.\$\{proc. date (yyyyMMdd)}\\$\{proc. time (HH)}</p> <p>If an error occurs, the file will be placed in the ERR folder in its message directory and sorted by date and time. For example: .\EINVTurnkey\DownCast\ERR\.\$\{proc. date (yyyyMMdd)}\\$\{proc. time (HH)}</p>
RecvTarget	<p>This is the product directory when Turnkey processes “DownCast.”Files are sorted by the contents processed in the received files.</p> <p>If the user selects “Message received and saved in ERPInBox” in the system environment settings, the information of invoices downloaded will be saved in RecvTarget/ERPInbox rather than being placed in different directories based on message type.</p>
cert	<p>The software certificates used by Turnkey are saved here. When a Turnkey user defines software certificates, Turnkey will make and save a copy of these certificates in this directory in case that the user deletes any of the certificates by accident.</p>

(III) Return message from the E-Invoice Platform

1. Description of Return message from the Platform

Once data is uploaded, the center end adds the center certificate signature to the processed result and returns it to Turnkey. The file is decrypted at Turnkey, and the processed text file is placed in Unpack/BAK/ProcessResult directory in the work directory, and sorted by date and time in the respective subdirectory. The extension of filename is .ProcessResult. The contents of its XML Schema

ProcessResult.xsd and GenericResult_4.0.xsd are:

```

<!-- GenericResult_4.0.xsd -->
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
  attributeFormDefault="unqualified">
  <!--Message type -->
  <xsd:simpleType name="MessageTypeEnum">
    <xsd:restriction base="xsd:string">
<xsd:enumeration value="A0101"/><!-- A0101. Issue a uniform invoice -->
<xsd:enumeration value="A0102"/><!-- A0102. Receive and acknowledge a uniform invoice -->
<xsd:enumeration value="A0201"/><!-- A0201. Cancel a uniform invoice -->
<xsd:enumeration value="A0202"/><!-- A0202. Receive and acknowledge a cancelled uniform invoice -->
<xsd:enumeration value="A0301"/><!-- A0301. Reject a uniform invoice -->
<xsd:enumeration value="A0302"/><!-- A0302. Receive and acknowledge a rejected uniform invoice-->
<xsd:enumeration value="A0401"/><!-- A0401. Issue a uniform invoice-->
<xsd:enumeration value="A0501"/><!-- A0501. Cancel a uniform invoice -->
<xsd:enumeration value="B0101"/><!-- B0101. Allowance certificate -->
<xsd:enumeration value="B0102"/><!-- B0102. Receive and acknowledge an allowance certificate-->
<xsd:enumeration value="B0201"/><!-- B0201. Cancel an allowance certificate -->
<xsd:enumeration value="B0202"/><!-- B0202. Receive and acknowledge a cancelled allowance certificate -->
<xsd:enumeration value="B0501"/><!-- B0501. Allowance certificate notice -->
<xsd:enumeration value="B0502"/><!-- B0502. Receive and acknowledge an allowance certificate notice -->
<xsd:enumeration value="C0401"/><!-- C0401. Issue a uniform invoice -->
<xsd:enumeration value="C0501"/><!-- C0501. Cancel a uniform invoice -->
<xsd:enumeration value="C0601"/><!-- C0601. Reject a uniform invoice -->
<xsd:enumeration value="C0701"/><!-- C0701. Write off a uniform invoice -->
<xsd:enumeration value="D0301"/><!-- D0301. Issue an allowance certificate -->
<xsd:enumeration value="D0401"/><!-- D0401. Cancel an allowance certificate-->
<xsd:enumeration value="F0401"/><!-- F0401. Invoice Message for platform Certificate -->
<xsd:enumeration value="F0501"/><!-- F0501. Cancel Invoice Message for Platform Certificate -->
<xsd:enumeration value="F0601"/><!-- F0601. Reject Invoice Message for Platform Certification -->
<xsd:enumeration value="F0701"/><!-- F0701. Void Invoice Message for Platform Certificate -->
<xsd:enumeration value="G0401"/><!-- G0401. Allowance Message for Platform Certification -->
<xsd:enumeration value="G0501"/><!-- G0501. Cancel Allowance Message for Platform Certificat -->
    </xsd:restriction>
  </xsd:simpleType>
<!-- -next page->

```

```
<!--Continued-->

  <!--Data sender's info -->
  <xsd:complexType name="PartyInfoType">
    <xsd:sequence>
      <!-- Data sender's tax ID number -->
      <xsd:element name="PartyId" type="xsd:string"/>
      <!-- Data sender's description -->
      <xsd:element name="Description" type="xsd:string" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>

  <!-- Data receiver's info -->
  <xsd:complexType name="RoutingInfoType">
    <xsd:sequence>
      <!-- Data receiver's tax ID number -->
      <xsd:element name="RoutingId" type="xsd:string"/>
      <!-- Data receiver's description -->
      <xsd:element name="Description" type="xsd:string" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>

  <!-- Packet message description-->
  <xsd:complexType name="InfoType">
    <xsd:sequence>
      <xsd:element name="Id" type="xsd:string"/>
      <xsd:element name="Size" type="xsd:positiveInteger"/>
      <xsd:element name="MessageType" type="MessageTypeEnum"/>
      <xsd:element name="Service" type="xsd:string"/>
      <xsd:element name="Action" type="xsd:string"/>
    </xsd:sequence>
  </xsd:complexType>

  <!-- Platform processing result-->
  <xsd:complexType name="ResultType">
    <xsd:sequence>
      <xsd:element name="Total" type="ResultDetailType"/>
      <xsd:element name="Good" type="ResultDetailType"/>
      <xsd:element name="Failed" type="ResultDetailType"/>
    </xsd:sequence>
  </xsd:complexType>

  <!-- -next page-->
```

```

<!--Continued-->
<!-- Platform processing result description-->
  <xsd:complexType name="ResultDetailType">
    <xsd:sequence>
      <xsd:element name="Count" type="xsd:positiveInteger"/>
      <xsd:element name="Invoices" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="Invocie" minOccurs="1">
              <xsd:complexType>
                <xsd:sequence>
                  <xsd:element name="ReferenceNumber">
                    <xsd:simpleType>
                      <xsd:restriction base="xsd:string">
                        <xsd:minLength value="10"/>
                        <xsd:maxLength value="16"/>
                      </xsd:restriction>
                    </xsd:simpleType>
                  </xsd:element>
                  <xsd:element name="InvoiceDate" type="xsd:date"/>
                </xsd:sequence>
              </xsd:complexType>
            </xsd:element>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

```

<!--ProcessResultResult_4.0.xsd -->
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="urn:GEINV:ProcessResult:4.0" xmlns="urn:GEINV:ProcessResult:4.0"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericResult_4.0.xsd"/>
  <xsd:element name="ProcessResult">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="RoutingInfo">
          <xsd:complexType>
            <xsd:sequence>
              <!-- Data sender's info-->
              <xsd:element name="From" type="PartyInfoType"/>
              <!-- Data sending value-added center or business entity's info -->
              <xsd:element name="FromVAC" type="RoutingInfoType"/>
              <!-- Data receiver's info -->
              <xsd:element name="To" type="PartyInfoType"/>
              <!--Data receiving value-added center or business entity's info -->
              <xsd:element name="ToVAC" type="RoutingInfoType"/>
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
        <!-- Packet message description -->
        <xsd:element name="MessageInfo" type="MessageInfoType"/>
        <!-- Processing result -->
        <xsd:element name="Result" type="ResultType"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:complexType name="MessageInfoType">
    <xsd:sequence>

```

<!-- -next page->

- The following is a list of message types and processing result descriptions of Parameter contents.

| MIG | Parameter0 | Parameter1 | Parameter2 | Parameter3 | Parameter4 |
|------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| A0101 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0102 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0201 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0202 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0301 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0302 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0401 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0501 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| A0601 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| B0101 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| B0102 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| B0201 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| B0202 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| B0401 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| B0501 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| C0401 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| C0501 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |

| MIG | Parameter0 | Parameter1 | Parameter2 | Parameter3 | Parameter4 |
|------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| C0701 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| D0401 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| D0501 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| E0401 | YearMonth | InvoiceTrack | HeadBan | BranchBan | |
| E0402 | YearMonth | InvoiceTrack | HeadBan | BranchBan | |
| F0401 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| F0501 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| F0701 | InvoiceNumber | InvoiceDate | BuyerBan | SellerBan | |
| G0401 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| G0501 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |
| G0701 | AllowanceNumber | AllowanceDate | BuyerBan | SellerBan | |

2. Daily transmission result report

The Platform will generate the statistics of quantity of invoices uploaded in the previous day and the result of every piece of data processed at 1:00AM everyday based on the senders and receivers of data uploaded and exchanged by every Turnkey user. At the scheduled time, the “DownCast” in Turnkey will download the processing result file from the Platform to the corresponding Turnkey directory, and the file is then processed and moved to the directory Unpack/BAK/SummaryResult/\$yyyyMMdd/\$ yyyyMMddHH(Invoice Transmission Date/Receipt File Date and Time).

There are two types of files to be downloaded; one is the quantity of invoice data uploaded to the Platform in the previous day, and the other is the processing result of every piece of data, as described below.

3. Quantity of invoice data processed

The filename format is “\$Sender’s tax ID number_\$Sender’s routing code_\$Receiver’s tax ID number_\$Receiver’s routing code_\$yyyyMMdd_\$yyyyMMddHHmmssSSS-Final.SummaryResult.” There is only a single quantity in that file that indicates how many pieces of data were transmitted by the Turnkey in the previous day, or how many pieces of invoice data were exchanged with receivers.

If the receiver’s tax ID number=0000000000, it means that the invoice data in the file is B2C. If the receiver’s routing code =0, it means that the invoice data in the file is for B2B or B2C certificate.

4. Invoice data processing list

The filename format is “\$Sender’s tax ID number _\$Sender’s routing code_\$Receiver’s tax ID number_\$Receiver’s routing code_\$yyyyMMdd_\$yyyyMMddHHmmssSSS.SummaryResult.” The file is in XML format and contains the uploading and exchange result of every piece of data transmitted by Turnkey in the previous day.

If the receiver’s tax ID number=0000000000, it means that the invoice data in the file is B2C. If the receiver’s routing code=0, it means that the invoice data in the file is for B2B or B2C certificate.

The contents of XMLSchema - SummaryResult.xsd for this

XML file is described below. Some of the patterns are described in GenericResult_4.0.xsd. Please refer to “VI.3 Return message from the E-Invoice Platform” of this Manual:

```

<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema targetNamespace="urn: GEINV:SummaryResult:4.0" xmlns="urn: GEINV:SummaryResult:4.0"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">
  <xsd:include schemaLocation="GenericResult_4.0.xsd" />
  <xsd:element name="SummaryResult">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="RoutingInfo">
          <xsd:complexType>
            <xsd:sequence>
              <!-- Sender business entity -->
              <xsd:element name="From" type="PartyInfoType" />
              <!-- Sender's routing code-->
              <xsd:element name="FromVAC" type="RoutingInfoType" />
              <!--Receiver business entity-->
              <xsd:element name="To" type="PartyInfoType" />
              <!--Receiver's routing code -->
              <xsd:element name="ToVAC" type="RoutingInfoType" />
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
      <xsd:element name="DetailList">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="Message" minOccurs="1" maxOccurs="5000">
              <xsd:complexType>
                <xsd:sequence>
                  <!-- SIG-related info: filename, invoice quantity, message type, service type, process type -->
                  <xsd:element name="Info" type="InfoType" />
                  <!-- The processing result statistics for every uniform invoice consist of total quantity, quantity of
successes, quantity of failures and the invoice numbers corresponding to each of these quantities -->

```

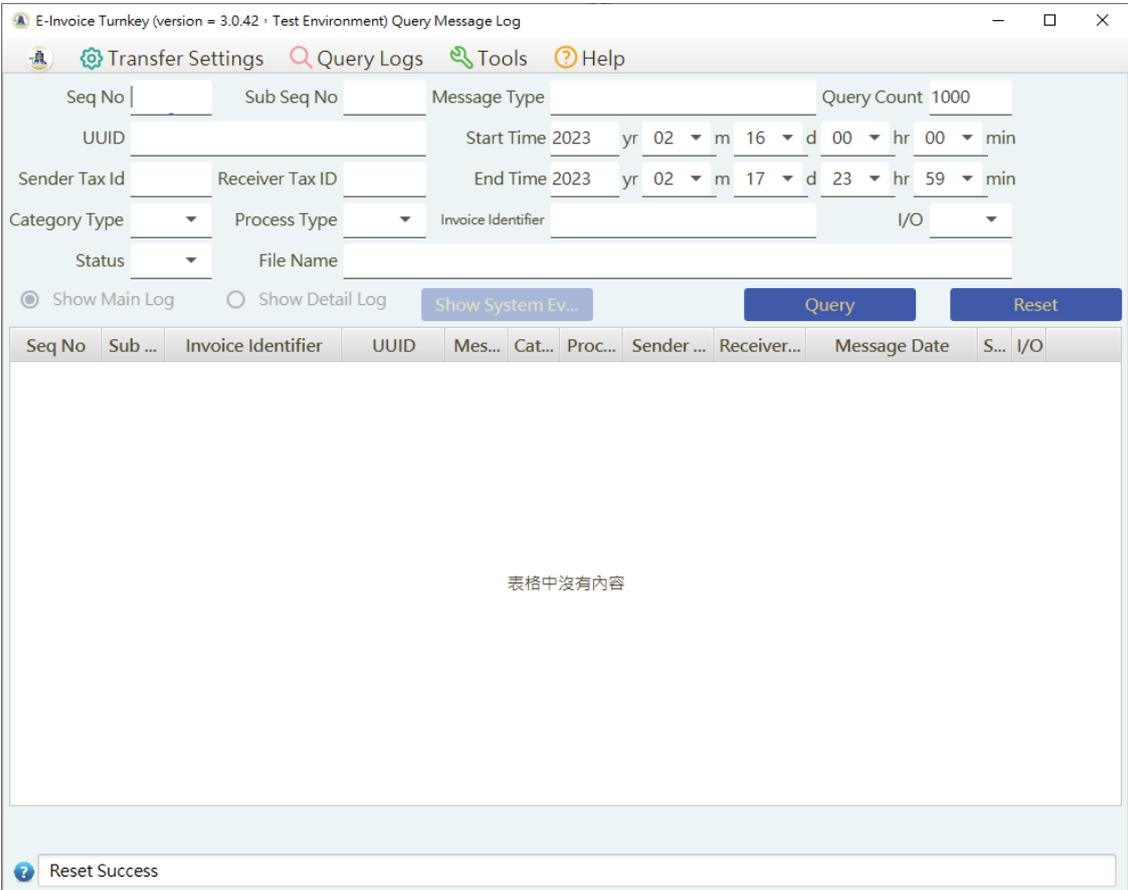

VIII. Upload Status Inquiry

There are several ways for users to find out the results of the invoices uploaded in the Turnkey, as shown below.

(I) Use the Turnkey message inquiry tool

The transaction log search of Turnkey allows users to search for the transmission status for an invoice uploaded or downloaded and the error event description when an error occurs.

For example, a user wants to know the status of invoices uploaded during a certain day. He may start by setting the **【Start time】** at 0:00 of that day, **【End time】** at 23:59 of that day and **【I/O】** as O (send), and will get the transmission results for all the invoices transmitted on that day. If only the invoices with transmission error are to be searched, the **【Status】** can be set at E (error).



For the descriptions of message search in detail, refer to “V.20 View message logs” and “V.22 Message log statistics” of this Manual.

(II) Direct inquiry to the Turnkey database

If a user wishes to search for the data of a specific invoice number or issue date, or find out the total quantity of successes or failures for invoices of a specific date, he will have to search the database directly using SQL syntax. For the structure of data tables, refer to “IX.3 Turnkey data tables and fields” of this Manual.

The Turnkey database related event log TABLE is described below. When a business entity uploads invoices, Turnkey will add an entry to TURNKEY_MESSAGE_LOG. The value in the INVOICE_IDENTIFIER field of TURNKEY_MESSAGE_LOG varies depending on MIG message type. The following table provides the composition format for the corresponding INVOICE_IDENTIFIER field values by MIG message type.

| MIG message type | INVOICE_IDENTIFIER |
|-------------------------|--|
| A0101 | A0101 + InvoiceNumber + InvoiceDate |
| A0102 | A0102 + InvoiceNumber + InvoiceDate |
| A0201 | A0201 + CancelInvoiceNumber + CancelDate |
| A0202 | A0202 + CancelInvoiceNumber + CancelDate |
| A0301 | A0301 + RejectInvoiceNumber + RejectDate |
| A0302 | A0302 + RejectInvoiceNumber + RejectDate |
| A0401 | A0401 + InvoiceNumber + InvoiceDate |
| A0501 | A0501 + CancelInvoiceNumber + CancelDate |
| A0601 | A0601 + RejectInvoiceNumber + RejectDate |
| B0101 | B0101 + AllowanceNumber + AllowanceDate |
| B0102 | B0102 + AllowanceNumber + AllowanceDate |
| B0201 | B0201 + CancelAllowanceNumber + CancelDate |
| B0202 | B0202 + CancelAllowanceNumber + CancelDate |

| MIG message type | INVOICE_IDENIFIER |
|-------------------------|--|
| B0401 | B0401 + AllowanceNumber + AllowanceDate |
| B0501 | B0501 + CancelAllowanceNumber + CancelDate |
| C0401 | C0401 + InvoiceNumber + InvoiceDate |
| C0501 | C0501 + CancellInvoiceNumber + CancelDate |
| C0701 | C0701 + VoidInvoiceNumber + VoidDate |
| D0401 | D0401 + AllowanceNumber + AllowanceDate |
| D0501 | D0501 + CancelAllowanceNumber + CancelDate |
| E0401 | BranchBan + "-" + InvoiceTrack + InvoiceBeginNo + "-" + InvoiceEndNo |
| E0402 | BranchBan + "-" + InvoiceTrack + InvoiceType |
| E0502 | E0502 + InvoiceNumber + InvoiceDate |
| E0503 | E0503 + AllowanceNumber + AllowanceDate |
| F0401 | F0401 + InvoiceNumber + InvoiceDate |
| F0501 | F0501 + CancellInvoiceNumber + CancelDate |
| F0601 | F0601 + RejectInvoiceNumber + RejectDate |
| F0701 | F0701 + VoidInvoiceNumber + VoidDate |
| G0401 | G0401 + AllowanceNumber + AllowanceDate |
| G0501 | G0501 + CancelAllowanceNumber + CancelDate |
| G0701 | G0701 + VoidInvoiceNumber + VoidDate |

The `TURNKEY_MESSAGE_LOG_DETAIL` keeps a record of every task for every invoice in `TURNKEY_MESSAGE_LOG` (e.g. file conversion, packing, upload, download, unpack, etc.) The `REFERENCE` fields for these two tables are `SEQNO` and `SUBSEQNO`. If an error is reported at the `TURNKEY` end or grand platform end, an entry will be added to `TURNKEY_SYSEVENT_LOG` and a correlation established based on `UUID` and `TURNKEY_MESSAGE_LOG`. However, if the cause of error is the `PACK` analysis or signature validation error of the entire packet, it will not be written back to `SEQNO` and `SUBSEQNO`. It has to be traced back from `UUID` and `EVENTDTS` fields to `TURNKEY_MESSAGE_LOG`.

The following are commonly used SQLs and descriptions:

1. To search for the data of a certain invoice, the "INVOICE_IDENTIFIER" field may be used. The INVOICE_IDENTIFIER consists of invoice contents: \$Invoice type\$Invoice (allowance) number\$Date. Different dates are used for different types of data in the format of yyyyMMdd:
 - Issuing type for issuing date
 - Reply type, which is the issuing date of the original message
 - Cancellation type, cancellation date
 - Rejection type, rejection date
2. With the invoice date and type known, it is possible to search with the complete INVOICE_IDENTIFIER:

```
SELECT STATUS
FROM TURNKEY_MESSAGE_LOG
WHERE INVOICE_IDENTIFIER = ? ;
For example:
SELECT STATUS
FROM TURNKEY_MESSAGE_LOG
WHERE INVOICE_IDENTIFIER = 'A0101VL2412418420110908' ;
```

Status description:

G: Processed (invoice uploaded)

C: Confirmed (Server confirms the receipt of invoice)

P: Processing

E: Error

I: Interrupted

3. If the invoice date is unknown, the invoice processing date can be used:

```
SELECT STATUS
FROM TURNKEY_MESSAGE_LOG
WHERE MESSAGE_DTS > ? AND MESSAGE_DTS < ? AND INVOICE_IDENTIFIER
LIKE ? ;
For example:
SELECT STATUS
FROM TURNKEY_MESSAGE_LOG
WHERE MESSAGE_DTS > '201109080' AND MESSAGE_DTS < '201109089'
AND INVOICE_IDENTIFIER LIKE 'A0101VL24124184%';
```

4. If the method above does not find the invoice status, it could be an error during format conversion that prevents the information of invoice number. For this, search by message processing interval and then with UUID for the invoice file in TURNKEY_MESSAGE_LOG_DETAIL.

```
SELECT UUID, INVOICE_IDENTIFIER, STATUS
FROM TURNKEY_MESSAGE_LOG
WHERE MESSAGE_DTS > ? AND MESSAGE_DTS < ?
For example:
SELECT UUID, INVOICE_IDENTIFIER, STATUS
FROM TURNKEY_MESSAGE_LOG
WHERE MESSAGE_DTS > '20120202' AND MESSAGE_DTS < '20120203';
```

```
SELECT STATUS, FILENAME
FROM TURNKEY_MESSAGE_LOG
WHERE UUID = ?;
For example:
SELECT STATUS, FILENAME
FROM TURNKEY_MESSAGE_LOG_DETAIL
WHERE UUID = 'e3888fa6-666c-4bf5-b6d4-a7a9e97b189b';
```

5. Search for the list of invoices sent and received by the start and end dates

of transmission.

```
Search for an invoice sent
SELECT *
FROM TURNKEY_MESSAGE_LOG
WHERE MESSAGE_DTS > '201109080' AND MESSAGE_DTS < '201109089'
AND IN_OUT_BOUND = 'O';

Search for an invoice received
SELECT *
FROM TURNKEY_MESSAGE_LOG
WHERE MESSAGE_DTS > '201109080' AND MESSAGE_DTS < '201109089'
AND IN_OUT_BOUND = 'I';
```

6. Search for a downloaded invoice, file path and name with a known invoice number

```
First find out the UUID of the invoice to be searched
SELECT UUID
FROM TURNKEY_MESSAGE_LOG
WHERE INVOICE_IDENTIFIER = 'A0101VL2412418420110908';

Then, search in TURNKEY_MESSAGE_LOG_DETAIL with UUID as criteria.
SELECT FILENAME
FROM TURNKEY_MESSAGE_LOG_DETAIL
WHERE UUID= 'e3888fa6-666c-4bf5-b6d4-a7a9e97b189b'
AND TASK='ReceiveTarget';
```

7. For the transmission detail of an invoice, search in the `TURNKEY_MESSAGE_LOG_DETAIL` table, which is used to confirm the transmission status in details.

(1) There are three types of task status (UpCast, Pack, SendFile) when

receiving invoices, and two more will emerge (ReceiveFile, Unpack) after receiving the processing result.

- (2) There are 4 types of task status when downloading invoices (ReceiveFile, Unpack, DownCast, ReceiveTarget).

```
First find out the UUID of the invoice to be searched
SELECT UUID
FROM TURNKEY_MESSAGE_LOG
WHERE INVOICE_IDENTIFIER = 'A0101HD2100000320230724';

Then, search in TURNKEY_MESSAGE_LOG_DETAIL with UUID as criteria.
SELECT *
FROM TURNKEY_MESSAGE_LOG_DETAIL
WHERE UUID = 'e3888fa6-666c-4bf5-b6d4-a7a9e97b189b'
ORDER BY PROCESS_DTS;
```

8. For errors of invoice processing, to search for the cause of an invoice error, it is possible to search in TURNKEY_SYSEVENT_LOG for more information.

```
Condition 1:
First find out the SEQNO and SUBSEQNO of the invoice to be searched
SELECT SEQNO, SUBSEQNO
FROM TURNKEY_MESSAGE_LOG
WHERE INVOICE_IDENTIFIER = 'A0101VL2412418420110908';

Then, search in TURNKEY_MESSAGE_LOG_DETAIL with SEQNO and
SUBSEQNO as criteria.
SELECT *
FROM TURNKEY_SYSEVENT_LOG
```

Condition 2: the invoice conversion is successful but an error occurs during transmission because the UUID is recorded, rather than SEQNO and SUBSEQNO, in the packed invoice file.

First find out the UUID of the invoice to be searched

```
SELECT UUID
FROM TURNKEY_MESSAGE_LOG
WHERE INVOICE_IDENTIFIER = 'A0101VL2412418420110908';
```

Then, search in TURNKEY_MESSAGE_LOG_DETAIL with UUID as criteria.

```
SELECT *
```

9. Search for the quantities of successful and failed invoice transmissions of the day with the transmission date as the criteria (Oct 12, 2011)

```
SELECT TML.STATUS, COUNT(*)
FROM TURNKEY_MESSAGE_LOG TML
WHERE TML.MESSAGE_TYPE = 'A0101'
AND TML.MESSAGE_DTS >= '201110120000000000'
AND TML.MESSAGE_DTS < '201110122359599999'
GROUP BY(TML.STATUS);
```

10. Search for the quantities of successful and failed invoice transmissions of the day with the invoice issuing date as the criteria (Oct 12, 2011)

```
SELECT TML.STATUS, COUNT(*)
FROM TURNKEY_MESSAGE_LOG TML
WHERE TML.MESSAGE_TYPE = 'A0101'
AND TML.MESSAGE_DTS >= '201110120000000000'
AND TML.INVOICE_IDENTIFIER LIKE '%20111012'
GROUP BY(TML.STATUS);
```

11. Descript of Message Log Statistics SQL

E-Invoice Turnkey (version = 3.0.42 · Test Environment) Query System Event Log

Transfer Settings Query Logs Tools Help

Sender Tax ID Receiver Tax ID

Category Type Process Type

Message Type Status

I/O File Name

Start Time 2023 yr 02 m 16 d 00 hr 00 min

End Time 2023 yr 02 m 17 d 23 hr 59 min

Create Report

```

SELECT DISTINCT main.* FROM TURNKEY_MESSAGE_LOG main,
TURNKEY_MESSAGE_LOG_DETAIL detail
WHERE main.FROM_PARTY_ID = on screen " Sender Tax Id"
AND main.TO_PARTY_ID = on screen "Receiver Tax Id"
AND main.MESSAGE_TYPE = on screen "Message Type"
AND main.CATEGORY_TYPE = on screen "Category Type"
AND main.PROCESS_TYPE = on screen "Process Type"
AND main.STATUS = on screen "Status"
AND main.IN_OUT_BOUND = on screen "I/O"
AND detail.FILENAME LIKE on screen "FileName"
AND main.UUID = detail.UUID
AND main.MESSAGE_DTS >= on screen "Start Time"
AND main.MESSAGE_DTS <= on screen "End Time"
ORDER BY main.MESSAGE_DTS;

```

If query result STATUS field equals "E" , then take
TURNKEY_MESSAGE_LOG' s SEQNO 、SUBSEQNO and UUID Query
TURNKEY_SYSEVENT_LOG · SQL as shown below:
SELECT * FROM TURNKEY_SYSEVENT_LOG WHERE ((SEQNO = ? AND
SUBSEQNO = ?) OR UUID LIKE ?) ORDER BY EVENTDTS LIMIT 1

Since the clearing performed regularly will remove the contents of this table, it is suggested to keep a copy of the table in the database of its internal application on a regular basis if the user's internal application has to be integrated with the Turnkey requirements. This also prevents the poor performance of searching as the quantity of data grows.

(III) Parse daily summary results from the E-Invoice Platform

The daily summary result (SummaryResult) transmitted from the Platform provides the uploading status for every packet uploaded from the Turnkey in the previous day and the every invoice it contains. The Turnkey user may check the invoice date generated in his ERP system against the successful and failed invoice date in the SummaryResult to confirm that every invoice uploaded is successfully saved in the E-Invoice Platform.

For a description of each transmission result, please refer to the instructions in Chapter X and Appendix 7 of this manual.

IX. Turnkey Backup

There are two types of data in Turnkey, settings and transactions, depending on how they are used. They are stored in either database or files. Users are recommended to develop a good habit to back data up from the Turnkey system to a secure storage environment on a regular basis, so that the system will remain functioning in case of hardware malfunctioning or other accidents. However, when an accident does unfortunately occur, the regular data backup mechanism helps shorten the time, manpower and cost to reinstall and set up. Users may have different strategies and tools for data backup depending on applications and storage methods.

(I) Configuration data

The users may duplicate or export the environmental settings of Turnkey and later copy the backup files or export them into the table tables while reinstalling the Turnkey to reduce the manpower and time for program configuration.

1. Configuration tables

The following are setting tables used for program configuration:

- form_config: senders' tax ID numbers and route configuration
- schedule_config: schedule configuration
- sign_config: certificate configuration
- task_config: task appendix configuration
- to_config: receivers' tax ID numbers and route configuration
- turnkey_transport_config: transmission account and password configuration
- turnkey_user_config: log-in account, password and role configuration

The backup and backup restoration of database program can be used for these data tables to save the table contents into backup files which can be later restored when needed. Refer to the user's manual of the database used for details.

2. Profiles

The profiles of Turnkey are located in `/bin/conf` at its installation position. They contain mostly the information of database connection parameter files, system configuration and message notification settings established when configuring the Turnkey environment. In addition, if a software certificate is used when a user installs a certificate file in Turnkey, a copy of the software certificate file will be saved in `/cert`.

- `/jre`
- `/TurnkeyConfig.xml`
- `/einvUserConfig.xml`
- `/cert/xxxxx.pfx`

For the files shown above, users are recommended to make a copy and keep that copy in a separate computer or another storage media after the Turnkey is set up. These files can just be copied back to their respective directories should there be a need to reinstall.

(II) Transaction data

The transaction data are the historic records of invoice transmission and invoice files actually uploaded or downloaded. These data are mostly deleted periodically by the clearing task of the Turnkey.

1. Transaction data tables

The following are data tables used for the logs of invoice upload/download messages.

- turnkey_message_log: master files of uploading/downloading messages (one piece of data for an invoice or a packet)
- turnkey_message_log_detail: details of every step of uploading/downloading messages
- turnkey_sysevent_log: error message files

In general this part of data does not require backup. However, if a user does not have lots of invoices to be processed (e.g. fewer than 500 invoices per day) and the invoiced data or status processed in Turnkey are not synchronized to other systems, the user may still back up this part of data, so that the user will still be able to search for historic records of data uploading and downloading with the “View message logs” of Turnkey after its reinstallation or recovery from incident.

The backup and backup restoration of database program can be used for the backup of these data. Refer to the user’s manual of the database used for details.

2. Transaction file

Transaction files are the original files of invoice data uploaded and downloaded and the signature/packet files generated when Turnkey processed tiles. For the storage directories and description, refer to “VI.1 Upload and download processes” and “VI.2 Turnkey work directories” of this Manual.

In general, files generated during the signature/packet processing do not require backup. Only the original invoice data files uploaded and data downloaded require backup. Once processed, the date uploaded will be moved to /BAK (for successful conversion) or /ERR (for failed conversion) directory in parallel to /SRC. For example, the file of an issued B2C invoice is placed in “C:\Program

Files\EINVTurnkey\UpCast\B2CSTORE\A0101\BAK” and
“C:\Program Files\EINVTurnkey\UpCast\B2CSTORE\A0101\ERR.”
Users may back up the files in these directories.

The invoice data downloaded from the Platform are saved in
/RecvTarget, for example “C:\Program
Files\EINVTurnkey\RecvTarget.” Users may back up the entire
directory if there is a need for backup.

(III) Back up internal file system

If “Internal file system” is selected for Turnkey in “Environment
settings > Database settings”, the records of all the “configuration data”
and transaction data” saved in the database will be kept in the files
EINVTurnkey.h2.db and EINVTurnkey.trace.db in \innerfs under the
Turnkey installation directory. Users need to back up these two files
regularly and restore them to the \innerfs directory when needed.

X. Appendices

(I) Error message codes and troubleshooting

1. Turnkey error codes and descriptions

| Code | Status | Cause or troubleshooting |
|------|--|---|
| -001 | CONFIG: the necessary schedule work information is missing | Information required is not defined in the database for Turnkey operations. Check that the settings of work directories and schedule are defined. |
| -002 | IO: error when processing file; target file already exists | An error occurs when reading / writing a file. It could be that the invoice file does not exist or the file is being used by another program. If this error occurs while reading an uploaded file, check that the file has been generated and moved to the directory for file uploading. Do not put a file that is still being generated directly in the invoice uploading directory.

The name for the file generated has been used during file uploading or downloading. Consult with customer service. |
| -003 | INFO: sender's tax ID number not found | The corresponding settings are not found in Turnkey for the sender's tax ID number in the invoice. For invoice exchange, check that this uniform invoice is defined in the sender settings. For invoice certificate, check that the certificate agent is checked. |
| -004 | PARSER: error when parsing invoice | An error occurs when an invoice is being parsed. Check that:

1. The invoice format is correct and complies with MIG requirements. Check particularly that the date field and number fields comply with requirements.

2. The Turnkey directory settings are correct |

| Code | Status | Cause or troubleshooting |
|------|--|---|
| | | <p>and the MIG version, coding and patterns are consistent with the invoice contents.</p> <p>3. Invoice data are placed at the correct location and the corresponding directories according to their MIG names.</p> <p>If the settings above are all correct and the cause of error is still not identified, send the file with error and a snapshot of error page to the customer service to help you troubleshoot.</p> <p>If this error occurs while downloading invoices, consult with the customer service.</p> |
| -005 | TRANSFORM: error when converting invoice version | <p>A conversion error occurs when the old MIG data is converted to V3.0MIG for invoice uploading or V3.0MIG to old MIG for invoice downloading. If this occurs generally to date conversion, check that the invoice has the correct date format. If the cause of error is not identified, consult with the customer service.</p> |
| -006 | CHARSET: error when coding invoices | <p>An error occurs when the invoice is being coded. Consult with the customer service.</p> |
| -007 | SIGN: error when encrypting / decrypting signature | <p>An error occurs when the invoice is encrypted / decrypted with signature.</p> <p>1. If this error occurs while setting up software certificate, check that the certificate file used is a type accepted by the E-Invoice Platform.</p> <p>2. If this error occurs while using a software certificate for signature, check that the certificate file exists in /cert under the EINVTurnkey installation directory.</p> |

| Code | Status | Cause or troubleshooting |
|------|--|--|
| | | <p>3. If this error occurs while using a card certificate for signature, check that the card reader and card are correctly installed and read normally (only one card reader is allowed). Use the card testing tool HICOS to check that the card reader and card are installed correctly.</p> <p>If all of the above are correct and the cause of error is still not identified, send the file with error and a snapshot of error page to the customer service to help you troubleshoot.</p> |
| -008 | INVOICE_INVALID: error in the invoice contents; error when parsing invoices. | <p>The invoice contents do not comply with requirements. Check that the invoice contains the officially published MIG format with special attention on whether the required fields are provided, date format, length and size restrictions, max/min limits of numbers, and limits on content format.</p> <p>Also, this error may occur due to incorrect MIG version, coding or pattern selected in the directory settings.</p> <p>If all of the above are correct and the cause of error is still not identified, send the file with error and a snapshot of error page to the customer service to help you troubleshoot.</p> <p>If this error occurs while downloading invoices, consult with the customer service.</p> |
| -010 | FILE_NOT_FOUND: error when operating a file (file is not found) | The file cannot be found while processing the downloaded file. Consult with the customer service. |
| -011 | FILE_NAME_FORMAT: tax ID number of | The name of file processed in Turnkey is found not to be in the required format. |

| Code | Status | Cause or troubleshooting |
|------|--|--|
| | sender/receiver not defined or filename format incorrect | <p>If this error occurs while uploading invoice data, it is usually that the tax ID number of the invoice receiving business entity (ToPartyId) and the routing code cannot be defined in the sender's settings of Turnkey, since this tax ID number is not registered with the E-Invoice Platform.</p> <p>If the error is a (FromPartyId) error, it is the tax ID number of the sending business entity that is not defined in the sender settings of Turnkey. For B2B exchange data, the tax ID number of every sender has to be established in the sender settings of Turnkey. For B2B and B2C certificates, a certificate agent has to be specified in the sender settings.</p> <p>If this error occurs while downloading invoices, consult with the customer service.</p> |
| -019 | VERSION_NOT_SUPPORTED: version not supported | The invoices received by Turnkey are not in the version supported by the system. Consult the customer service. |
| -012 | NOTIFY: error notification from the Center platform | <p>The Platform is called for data processing after invoices are uploaded. However, the Platform replies error with the data contents. Correct the error according to the cause shown in the center end reply.</p> <p>The following are common errors:</p> <p>E0144- The receiver is not qualified for using E-Invoice: the receiver cannot receive the invoices due to qualification issue during B2B exchange.</p> <p>E0132- The file to be uploaded does not exist: please provide the UUID of the error record in order to allow the customer service</p> |

| Code | Status | Cause or troubleshooting |
|------|---|--|
| | | to check whether the data have been sent.
E0135- The name of file to be uploaded has been used: please provide the UUID of the error record in order to allow the customer service to check whether the data have been sent. |
| -015 | NOTIFY_FAIL: Failure of notification from the Platform | An error occurs when calling for Web API of the Platform. Check that the HTTPS connection is functioning. If the connection is good, contact the customer service. |
| -017 | SEND_FAIL: Failure to send | The transmission fails. Check that the SFTP connection is functioning. If the connection is good, contact the customer service. |
| -018 | RESENDING: resending | Resend the invoice data. Ignore this message if nothing happens later on. |
| -020 | UUID_NOT_FOUND: the uuid that matches the return data of ProcessResult cannot be found in the database. | The ProcessResult report from the system contains an invoice that does not correspond to the uuid of any invoice in the database. It could be that the same transmission account and password are defined in multiple Turnkeys or the invoice for which the Platform reply has not yet received is deleted during clearing, so that the Platform replies unable to find the corresponding uploaded data. |
| -021 | DB: error in operating database | An error occurs when attempting to connect the database, and it is checked that the database used by Turnkey is functioning.
If the database is not cleared on a regular basis, it is possible that the database contains too many historic data that cause the poor performance of database. For users with no. of invoices/day >1,000, it is recommended |

| Code | Status | Cause or troubleshooting |
|-------------|---|---|
| | | to clear the database regularly. |
| -022 | PROCESS_RESULT: ProcessResult contains error message (see the center end error message table) | The reply for the uploaded invoices received by the Platform contains an error message. Correct the error according to the cause shown in the center end reply. |
| -023 | CLEAN_FAIL: failure to clear files | An error occurs when clearing expired files or data. |
| -024 | RECV_FAIL: failure to receive | The attempt to receive files from the Platform fails usually due to unstable network connection. If the error persists, and it is checked that the environment where the Turnkey is operating functions normally, please call the customer service for assistance. |
| -025 | RECV_DEL_FAIL: failure to delete file after receiving | An error occurs when attempting to delete a file on the Platform after the Platform received the file. Contact the customer service. |
| -026 | CONNECTION_FAIL: error when attempting to connect the Platform | The error that occurs when attempting to connect the center end is usually caused by the unstable network connection. If the error persists, and it is checked that the environment where the Turnkey is operating functions normally, please call the customer service for assistance. |
| -999 | Unknown error | An unknown error occurs. Contact the customer service. |
| -998 | Platform notification message | When the platform has a message announcement, in addition to checking the platform website regularly, notifications will also be given when Turnkey is turned on or at 12:00 every day. |

2. Center end response message codes

| Code | Status | Cause or troubleshooting |
|-------------|--|--|
| S0000 | Message saved successfully | Message saved successfully |
| S0001 | Job Success | Job Success |
| E0000 | Authentication failed | Confirm and correct the content and upload again |
| E0100 | The network is abnormal, please upload again | The network is abnormal, please upload again |
| E0101 | The seller is not eligible to use electronic invoices | The seller is not eligible to use electronic invoices. Please confirm that the seller's information is correct |
| E0102 | Invoice track number non-purchase part | The font used for the invoice is not the purchase part, please confirm whether the font is correct |
| E0103 | The total of the invoice details does not match the total amount | The total amount of the invoice details does not match the total amount. Please confirm whether the invoice content is correct |
| E0104 | The buyer is not eligible to use electronic invoices | The buyer is not eligible to use electronic invoices. Please confirm that the buyer's information is correct |
| E0105 | The total invoice amount cannot be zero | The total amount of the invoice cannot be 0. Please confirm whether the invoice content is correct |
| E0106 | Invoice detail quantity cannot be zero | The invoice must contain at least one invoice detail. Please confirm whether the invoice content is correct |
| E0107 | The invoice year does not match the track | The year font used on the invoice is incorrect. Please confirm whether the font used is correct |
| E0108 | No invoice exchange eligibility | Not eligible to exchange invoices |
| E0109 | No invoice evidence qualification | No qualifications for invoice proofing |

| Code | Status | Cause or troubleshooting |
|-------------|--|--|
| E0110 | The invoice code shall not be transmitted by the sender | The invoice code cannot be transmitted by the sender. Please confirm whether the information is correct |
| E0111 | The invoice code shall not be transmitted by the recipient's code | The invoice code cannot be transmitted by the recipient's code. Please confirm whether the information is correct |
| E0112 | Non-zero tax rate customs clearance method notes cannot be filled in | When the Business Tax Type (TaxType) is set to non-2: Zero Tax Rate, the Customs Clearance Method cannot be filled in |
| E0113 | The dedicated track has been used by another business operator | The dedicated track has been used by another business owner. Please confirm whether the track used is correct |
| E0114 | Dedicated tracks do not accept ERP interface uploads | The dedicated track does not accept ERP interface upload, please use Turnkey upload instead |
| E0115 | Value-added Service Center is not eligible to use electronic invoices | The Value Added Service Center is not eligible to use electronic invoices. Please confirm whether the information is correct |
| E0116 | The sending party's unified code does not match the headquarters' unified code | The sender's unified number does not match the headquarters' unified number. Please confirm whether the information is correct |
| E0117 | B2C identity does not qualify for invoice transmission | B2C identity does not qualify for invoice transmission, please confirm whether the identity is correct |
| E0118 | B2B status does not qualify for invoice transmission | B2B identity does not qualify for invoice transmission, please confirm whether the identity is correct |
| E0119 | B2C status does not qualify for exchanging invoices | B2C identity is not eligible to exchange invoices, please confirm whether the identity is correct |

| Code | Status | Cause or troubleshooting |
|-------------|--|---|
| E0120 | Independent third-party value-added service center does not have the qualification to send its own invoices | The identity of an independent third-party value-added service center does not qualify to send its own invoices. Please confirm whether the identity is correct |
| E0126 | The sender is not eligible to use electronic invoices (this transmission uses B2C identity) | The sender is not eligible to use electronic invoices. Please confirm that the identity is correct |
| E0127 | The sender is not eligible to use electronic invoices (this transmission uses B2B identity) | The sender is not eligible to use electronic invoices. Please confirm that the identity is correct |
| E0128 | The sender is not eligible to use electronic invoices (this transmission uses the buyer's value-added service center identity) | The sender is not eligible to use electronic invoices. Please confirm that the identity is correct |
| E0129 | The sender is not eligible to use electronic invoices (this transmission uses the seller's value-added service center identity) | The sender is not eligible to use electronic invoices. Please confirm that the identity is correct |
| E0130 | The transmitting party is not eligible to use electronic invoices (this transmission uses the identity of an independent third-party value-added service center) | The sender is not eligible to use electronic invoices. Please confirm that the identity is correct |
| E0131 | The sender's bypass code does not match the FTP account. | The routing code used by the sender does not match its FTP account. Please confirm whether the setting is correct |
| E0132 | The uploaded file does not | The center cannot find the uploaded |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| | exist | file, please contact customer service |
| E0133 | The process is wrong, it should be [B2S B2C B2B B2G B2P] | The process is wrong, please confirm whether the process is correct |
| E0134 | Upload file size does not match | The file size uploaded to the center is inconsistent with the file size passed when calling the center's Web API. Please confirm whether the file information is correct |
| E0135 | Upload file name is duplicated | A file with the same name has been processed on the center. Please confirm whether the file is correct |
| E0136 | No business person corresponding to the detour code was found | The business person corresponding to the routing code does not exist. Please confirm whether the information is correct |
| E0137 | The business operator corresponding to the detour code is not eligible for invoice exchange | The business operator corresponding to the routing code is not eligible for invoice exchange. Please confirm whether the information is correct |
| E0138 | Third-party value-added centers cannot transmit data for themselves | Third-party value-added centers cannot transmit data for themselves |
| E0139 | The operator does not have the authorization to send the code on behalf of others | The operator does not have the authorization to send the code, please confirm whether the information is correct |
| E0140 | Only one invoice can be sent at a time for B2B exchanges | Only one invoice can be sent for each B2B exchange. Please confirm whether the invoice content is correct |
| E0141 | The uploaded file name is too long, the maximum length is 100 characters | The uploaded file name is too long. The maximum length of a file name is 100 characters. Please confirm whether the |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| | | file name is correct |
| E0142 | The upload file size is too large, the maximum is 20MB | The uploaded file is too large. The maximum file size is 20MB. Please confirm that the file is correct |
| E0143 | The sender is not eligible to use electronic invoices | The sender is not eligible to use electronic invoices. Please confirm whether the information is correct |
| E0144 | The recipient is not eligible to use electronic invoices | The recipient is not eligible to use electronic invoices. Please confirm whether the information is correct |
| E0145 | The sender or receiver has not set the receiving method | The recipient does not agree to receive electronic invoices or the recipient has not set the receiving method. Please confirm whether the information is correct |
| E0146 | The recipient's receiving method has been changed. Please delete the recipient settings of Turnkey and send again | The recipient's receiving method has been changed. Please delete the recipient settings of Turnkey and send again |
| E0181 | The head office is not eligible to use electronic invoices | The head office is not eligible to use electronic invoices |
| E0182 | Branch purchases are not eligible for electronic invoices | Branch purchases are not eligible for electronic invoices |
| E0190 | The copy file does not exist | Please upload again |
| E0191 | The size of the copied file does not match the original file | Please upload again |
| E0192 | The copy folder does not exist | Please upload again |
| E0193 | This path is a file, not a folder | Please upload again |
| E0194 | The copy folder cannot be created | Please upload again |
| E0195 | Unable to write to the copied folder | Please upload again |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| E0196 | No files found in copied folder | Please upload again |
| E0201 | Message Duplicate | This message has been processed. Please confirm whether the invoice content is correct |
| E0202 | The invoice information does not exist | The invoice information does not exist. Please confirm whether the invoice content is correct |
| E0203 | The voided invoice data does not exist | The voided invoice data does not exist. Please confirm whether the invoice content is correct |
| E0204 | The returned invoice information does not exist | The returned invoice information does not exist, please confirm whether the invoice content is correct |
| E0205 | The information for issuing a discount certificate does not exist | The information for issuing the discount certificate does not exist. Please confirm whether the invoice content is correct |
| E0206 | The data of the canceled discount certificate does not exist | The information of the canceled discount certificate does not exist. Please confirm whether the invoice content is correct |
| E0207 | Information has expired | The information has expired. Please confirm whether the information is correct |
| E0208 | Information not current | This data is not current data. Please confirm whether the data content is correct |
| E0209 | Invoice date and ticket number must be in sequence | The invoice date and number must be in sequence. Please confirm whether the invoice content is correct |
| E0210 | Discount certificate and confirmation cannot be sent in the same mailer | Discount certificate and confirmation cannot be sent by the same sender. Please confirm whether the content is |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| | | correct |
| E0211 | Invoices cannot be discounted, please check the invoice status | Invoices cannot be discounted, please check the invoice status |
| E0212 | The invoice cannot be confirmed, please check the invoice status | The invoice cannot be confirmed, please check the invoice status |
| E0213 | The invoice cannot be voided, please check the invoice status | The invoice cannot be voided, please check the invoice status |
| E0214 | Invoices cannot be returned, please check the status of your invoice | Invoices cannot be returned, please check the status of your invoice |
| E0215 | The invoice cannot be confirmed as void, please check the invoice status | The invoice cannot be confirmed as void, please check the invoice status |
| E0216 | The invoice cannot be confirmed to be returned, please check the invoice status | The invoice cannot be confirmed to be returned, please check the invoice status |
| E0217 | The discount order cannot be confirmed, please check the status of the discount order | The discount order cannot be confirmed, please check the status of the discount order |
| E0218 | The discount order cannot be voided, please check the status of the discount order | The discount order cannot be voided, please check the status of the discount order |
| E0219 | The discount order cannot be confirmed as void, please check the status of the discount order | The discount order cannot be confirmed as void, please check the status of the discount order |
| E0220 | The message details are repeated, please check the detail sequence number | The message details are repeated, please confirm whether the invoice content is correct |
| E0221 | The discount amount is greater than the invoice sales amount minus the discounted amount | The discount amount is greater than the invoice sales amount minus the discounted amount. Please confirm |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| | | whether the invoice content is correct |
| E0222 | The discount amount is greater than the invoice sales amount minus the discounted amount minus the amount of discount notice to be confirmed | The discount amount is greater than the invoice sales amount minus the discounted amount minus the amount of the discount notice to be confirmed. Please confirm whether the invoice content is correct |
| E0223 | The amount of the cancelled discount is less than the amount of the discount minus the amount of the cancelled discount certificate to be confirmed | The amount of the canceled discount is less than the amount of the discount minus the amount of the canceled discount certificate to be confirmed. Please confirm whether the invoice content is correct |
| E0224 | Special invoice tax amount shall not have value | Special invoice tax amount cannot have value, please confirm whether the invoice content is correct |
| E0225 | The tax rates for special invoices should be 2%, 5%, 15%, 25% | The tax rate for special invoices should be 2%, 5%, 15%, 25%. Please confirm whether the invoice content is correct |
| E0226 | The tax category of special invoices must be taxable | The tax category of special invoices must be taxable. Please confirm whether the invoice content is correct |
| E0227 | The tax amount of special invoices must be 0 | The tax amount of special invoices must be 0. Please confirm whether the invoice content is correct |
| E0228 | The clearance method note field for zero-tax-rated invoices is required | The clearance method note field for zero-tax-rated invoices is required |
| E0229 | Invoice information does not exist | The invoice information does not exist. Please confirm whether the invoice information exists |
| E0230 | B2C discount orders cannot be cancelled | B2C discount orders cannot be cancelled |

| Code | Status | Cause or troubleshooting |
|-------------|---|---|
| E0231 | Cancellation invoice information does not exist | The cancellation invoice information does not exist. Please confirm whether the invoice information exists |
| E0232 | Only cancellation of invoices on file is allowed | Only cancellation of invoices on file is allowed |
| E0233 | The discount order does not exist | The discount order does not exist. Please confirm whether the invoice information exists |
| E0234 | Only the cancellation of the certificate discount slip is allowed | Only the cancellation of the certificate discount slip is allowed |
| E0301 | Seal verification failed (user) | Seal verification failed (user) |
| E0302 | Failed to read the original text | Failed to read the original text, please contact customer service |
| E0303 | The system does not have this type of transaction code | The system does not have this type of transaction code, please confirm whether the invoice content is correct |
| E0304 | XML source format does not conform | The XML original format does not match, please confirm whether the content is correct |
| E0305 | XML source data content verification failed | The original document content verification failed, please confirm whether the document content is correct |
| E0306 | XML source text cannot be parsed | The original text cannot be parsed, please confirm whether the content is correct |
| E0307 | Invoice quantity does not match | The invoice quantity does not match, please confirm whether the invoice content is correct |
| E0308 | The signature and invoice number do not match | The signature and invoice number do not match. Please confirm whether the invoice content is correct |
| E0309 | The total discount amount is | The total discount amount is greater |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| | greater than the invoice amount | than the invoice amount. Please confirm whether the invoice content is correct |
| E0310 | Seal verification failed | System decryption failed, please refer to the manual error code for processing |
| E0311 | Failed to write invoice information | Failed to write invoice information, please contact customer service |
| E0312 | Not for B2C invoice proof information | This is not a B2C invoice proof message. Please confirm whether the information is correct |
| E0313 | Not for B2B invoice proof information | This is not a B2C invoice proof message. Please confirm whether the information is correct |
| E0314 | Not exchanging messages for B2B invoices | This is not a B2C invoice proof message. Please confirm whether the information is correct |
| E0315 | Do not store information for B2P invoices | This is not a B2C invoice proof message. Please confirm whether the information is correct |
| E0316 | Not for B2S invoice proof message | This is not a B2C invoice proof message. Please confirm whether the information is correct |
| E0401 | This invoice has been returned | This invoice has been returned. Please confirm whether the invoice content is correct |
| E0402 | This invoice has been canceled | This invoice has been returned. Please confirm whether the invoice content is correct |
| E0403 | This discount order has been canceled | The discount invoice has been invalidated. Please confirm whether the invoice content is correct |
| E0404 | The buyer is a government agency and cannot issue a | The buyer is a government agency and is not allowed to issue a discount |

| Code | Status | Cause or troubleshooting |
|-------------|--|---|
| | discount order | invoice. Please confirm whether the invoice content is correct |
| E0405 | The buyer is a government agency and cannot confirm the discount order | The buyer is a government agency and cannot confirm the discount order. Please confirm whether the invoice content is correct |
| E0406 | The buyer cannot cancel the discount order if it is a government agency | If the buyer is a government agency, the discount order cannot be cancelled. Please confirm whether the invoice content is correct |
| E0407 | The buyer is a government agency and cannot confirm the cancellation of the discount order | If the buyer is a government agency, the discount order cannot be confirmed. Please confirm whether the invoice content is correct |
| E0408 | The buyer is a government agency and does not accept steel industry invoices | The buyer is a government agency and does not accept steel industry invoices. Please confirm whether the invoice content is correct |
| E0501 | Failed to exchange to the recipient's direct interface object | The exchange to the recipient's direct connection object failed. Please contact customer service |
| E0502 | No delivery setting corresponding to the detour code was found | There is no corresponding delivery setting for the detour code. Please confirm whether the setting is correct |
| E0503 | Field should not be blank | The field should not be blank, please confirm whether the invoice content is correct |
| E0504 | Invoice message processing partially successful | Invoice message processing partially successful |
| E0505 | Cross-border e-commerce can only upload MIG V3.2 or above | Cross-border e-commerce can only upload MIG V3.2 or above |
| E0506 | Cross-border e-commerce | Cross-border e-commerce cannot |

| Code | Status | Cause or troubleshooting |
|-------------|--|---|
| | cannot upload B2B invoices | upload B2B invoices |
| E0507 | The receiver does not support MIG v4.1 or above | The receiver does not support MIG v4.1 or above |
| E0508 | In MIG v4.1 and above, the buyer is only allowed to void the allowance opened by the buyer, and the seller is only allowed to void the allowance opened by the seller. | In MIG v4.1 and above, the buyer is only allowed to void the allowance opened by the buyer, and the seller is only allowed to void the allowance opened by the seller |
| E0601 | The uploaded head office number range does not match the number range assigned to the head office by the platform | The uploaded head office number range does not match the number range assigned to the head office by the platform |
| E0602 | The main file data is duplicated, please check and upload again | The main file data is duplicated, please check and upload again |
| E0603 | The detail interval is not within the main interval range | The detail interval is not within the main interval range |
| E0604 | The detailed information is repeated, please check and upload again | The detailed information is repeated, please check and upload again |
| E0605 | This business person does not exist in the invoice control file, please contact the National Tax Service | This business person does not exist in the invoice control file, please contact the National Tax Service |
| E0606 | The uploaded branch is not a branch of the head office | The uploaded branch is not a branch of the head office |
| E0607 | The uploaded invoice type is incorrect | The uploaded invoice type is incorrect |
| E0608 | The number of invoices uploaded is incorrect | The number of invoices uploaded is incorrect |
| E0609 | The uploaded details are repeated. Please check and | The uploaded details are repeated. Please check and upload again |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| | upload again | |
| E0610 | Failed to write branch track information | Failed to write branch track information |
| E0611 | The uploader must be a head office or branch | The uploader must be a head office or branch |
| E0612 | The invoice number range already has overlapping ranges | The invoice number range already has overlapping ranges |
| E0613 | Invoice number interval is not a number interval | Invoice number interval is not a number interval |
| E0614 | The uploader can only be the head office (head office) | The uploader can only be the head office (head office) |
| E0615 | Track message processing partially successful | Track message processing partially successful |
| E0616 | All track message processing failed | All track message processing failed |
| E0617 | The invoice starting number must be less than or equal to the ending number | The invoice starting number must be less than or equal to the ending number |
| E0701 | An error occurred, please contact customer service or try again later | An error occurred, please contact customer service or try again later |
| E0702 | The verification of the transfer bypass code and the transfer password failed | Please confirm whether the sent account password is correct |
| E1001 | Invoice recipient unified code/format error | The invoice recipient code/format is wrong, please confirm whether the invoice content is correct |
| E1002 | The invoice date should not be too early | The invoice issuance date must not be too early. Please confirm whether the invoice content is correct |
| E1003 | B2C invoice duplicate issuance | B2C invoice is issued repeatedly, please confirm whether the invoice content is correct |

| Code | Status | Cause or troubleshooting |
|-------------|---|--|
| E1004 | Out of the available time range | The delivery time is exceeded. Please confirm whether the invoice content is correct |
| E1005 | The carrier ID (CarrierId2) cannot contain spaces or all spaces before and after it | The carrier ID (CarrierId2) cannot contain spaces or all spaces before and after it |
| E1006 | The invoice date exceeds the upload time | The invoice date exceeds the upload time |

3. Certificate signature response message codes

| Message code | Message | Cause and remedy |
|---------------------|---|---|
| 5008 | Base64 code incorrect | Check that the signature value is coded with Base64. |
| 5011 | Certificate expired | Apply for a new certificate from the certificate management center. |
| 5012 | Certificate not legal and therefore not usable | Check that the certificate is valid. |
| 5013 | Certificate expired or unable to use | Apply for a new certificate from the certificate management center. |
| 5014 | Certificate subject incorrect | Check that the certificate subject is consistent with that of the specified one. |
| 5015 | Certificate issuer not found | Apply for a certificate from the appropriate certificate management center for E-Invoice signature. |
| 5016 | Illegal certificate signature | Apply for a new certificate from the certificate management center. |
| 5017 | Certificate application (encryption/decryption or certificate validation) inappropriate | Use a certificate with the application of key as “for signature.” |

| Message code | Message | Cause and remedy |
|---------------------|--|---|
| 5020 | Certificate withdrawn | Apply for a new certificate from the certificate management center. |
| 5021 | Certificate withdrawn (key leak) | Apply for a new certificate from the certificate management center. |
| 5022 | Certificate withdrawn (CA compromised) | Apply for a new certificate from the certificate management center. |
| 5023 | Certificate withdrawn (alliance changed) | Apply for a new certificate from the certificate management center. |
| 5024 | Certificate withdrawn (replaced) | Apply for a new certificate from the certificate management center. |
| 5025 | Certificate withdrawn (stopped) | Apply for a new certificate from the certificate management center. |
| 5026 | Certificate reserved or suspended | Apply for a new certificate from the certificate management center. |
| 5028 | Certificate withdrawn (frozen) | Apply for a new certificate from the certificate management center. |
| 5036 | Illegal signature | Apply for a new certificate and have it validated. |
| 5037 | Contents incorrect | Check that the signature data is correct and not tampered with. |
| 5040 | Certificate format incorrect | Check that the certificate format in the signature data is correct. |
| 5042 | PKCS7 format incorrect | Check that the signature value meets the PKCS7 format. |
| 5043 | Key format incorrect | Check that the key format in the certificate is correct. |
| 5045 | Format invalid | Check that the signature data format is correct. |
| 5051 | No content in PKCS7 data | Check that the PKCS7 signature value contains signature data. |
| 5052 | No certificate in PKCS7 data | Check that the PKCS7 signature value contains certificate. |

| Message code | Message | Cause and remedy |
|---------------------|--|--|
| 5053 | No signature in PKCS7 data | Check that the PKCS7 signature value contains the info of signature owner. |
| 5060 | Certificate or key incorrect | Check that the certificate and private key are a pair. |
| 5061 | Signature failure | Check that the signature process is normal. |
| 5062 | Signature validation failure | Check that the certificate format in the signature data is correct. |
| 5070 | Operation cancelled | Check that the operation process is correct. |
| 5071 | Password incorrect | Check that the password is correct. |
| 5080 | Unable to parse XML document | Check that the XML format is correct. |
| 5081 | Specified tag name not found in XML | Check that the tags specified in XML exist. |
| 7706 | XML signature value incorrect | Check that the signature values in XML are correct and not tampered with. |
| 7707 | Summary value specified by XML for reference incorrect | Check that the reference value in XML is correct and not tampered with. |
| 7711 | XML signature specified by this ID not found, ID incorrect or XML signature does not exist | Check the ID code specified in the XML signature data. |
| 7712 | Error when parsing XML document | Check that the XML format is correct. |
| 7713 | Document pointed by URI does not exist or is null. | Check that the URI position specified in the XML does exist. |
| 7716 | XML parameters incorrect | Check that the parameters in the XML are correct. |

| Message code | Message | Cause and remedy |
|---------------------|--|---|
| 9041 | Invalid certificate status | Check that the certificate status is correct. |
| 9042 | The certificate issuer is not in the system's trusted CA list. | Apply for a certificate from the appropriate certificate management center for E-Invoice signature. |
| 9045 | Certificate withdrawn | Apply for a new certificate from the certificate management center. |
| 9046 | Certificate suspended | Apply for a new certificate from the certificate management center. |
| 9047 | Certificate being withdrawn | Apply for a new certificate from the certificate management center. |
| 9048 | Certificate being suspended | Apply for a new certificate from the certificate management center. |
| 9049 | User account deleted | Check that the user account is not deleted. |
| 9050 | Too many log-in failures; user account frozen | Check that the user account is not banned. |
| 9051 | User account does not exist | Check that the user account exists. |
| 9055 | Matching user data not found in database | Check that the user account exists. |
| 9057 | Certificate invalid | Check that the certificate format is correct. |
| 9058 | Certificate type invalid | Check that the certificate format is correct. |
| 9064 | Certificate already exists | Check that this certificate is not previously registered. |
| 9067 | Signature text expired; refresh the page for new signature text. | Log in again with the certificate. |
| 66203 | This account does not exist. | Check that the user has registered a certificate. |
| 66501 | Certificate expired or | Apply for a new certificate from the |

| Message code | Message | Cause and remedy |
|---------------------|--|---|
| | cancelled. | certificate management center. |
| 66503 | Certificate status as withdrawn | Apply for a new certificate from the certificate management center. |
| 66520 | Certificate format incorrect | Check that the certificate format is correct. |
| 66522 | Certificate signature incorrect | Check that the signature value of the certificate is correct. |
| 66710 | PKCS7 format incorrect | Check that the signature value complies with PKCS7format. |
| 66720 | Signature text incorrect | Check that the signature data is correct and not tampered with. |
| 66725 | Corresponding key not found | Check that the certificate and private are a pair. |
| 66801 | This certificate is not registered to this user ID. | Check that the user has registered this certificate. |
| 66802 | This certificate has been registered to another user ID. | Check that the user did not register this certificate repeatedly. |
| 66803 | The user does not register this certificate. | Check that the user has registered a certificate. |

(II) Reference list for Turnkey functions, message codes and formats

| MIG function | | MIG no.*1 | Remark | V4.1 | V4.0 | V3.2 | V3.1 |
|----------------------------|-------------------------------------|-----------|----------|------|------|------|------|
| | | | | XML | XML | XML | XML |
| B2B invoice
exchange | Invoice issuing | A0101 | | v | v | v | v |
| | Invoice issuing confirmation | A0102 | | v | v | v | v |
| | Invoice issuing, steel company | A0201 | | v | v | v | v |
| | Invoice cancellation | A0202 | | v | v | v | v |
| | Invoice cancellation confirmation | A0301 | | v | v | v | v |
| | Invoice rejection | A0302 | | v | v | v | v |
| B2B allowance
exchange | Allowance issuing | B0101 | | v | v | v | v |
| | Allowance issuing confirmation | B0102 | | v | v | v | v |
| | Allowance cancellation | B0201 | | v | v | v | v |
| | Allowance cancellation confirmation | B0202 | | v | v | v | v |
| B2B invoice
certificate | Invoice issuing | A0401 | For v3.x | | | v | v |
| | Invoice cancellation | A0501 | For v3.x | | | v | v |
| | Invoice rejection | A0601 | For v3.x | | | v | v |
| B2B
allowance | Allowance issuing | B0401 | For v3.x | | | v | v |
| | Allowance cancellation | B0501 | For v3.x | | | v | v |

| MIG function | | MIG no.*1 | Remark | V4.1 | V4.0 | V3.2 | V3.1 |
|-----------------|---------------------|--|--------|------|------|------|------|
| | | | | XML | XML | XML | XML |
| B2C | invoice certificate | Invoice issuing | C0401 | | | v | v |
| | | Invoice cancellation | C0501 | | | v | v |
| | | Invoice rejection | C0601 | | | v | v |
| | | Invoice write-off | C0701 | | | v | v |
| B2C | allowance | Allowance issuing | D0401 | | | v | v |
| | | Allowance cancellation | D0501 | | | v | v |
| B2S | invoice certificate | Invoice issuing | F0401 | v | v | | |
| | | Invoice cancellation | F0501 | v | v | | |
| | | Invoice rejection | F0601 | v | v | | |
| | | Invoice write-off | F0701 | v | v | | |
| B2S | allowance | Allowance issuing | G0401 | v | v | | |
| | | Allowance cancellation | G0501 | v | v | | |
| Common Messages | | InvoiceAssignNo | E0501 | v | v | v | v |
| | | Input Invoice Message for Platform Certification | E0502 | v | v | | |
| | | Input Allowance Message for | E0503 | v | v | | |

| MIG function | | MIG no.*1 | Remark | V4.1 | V4.0 | V3.2 | V3.1 |
|---------------------|-----------|------------------|---------------|-------------|-------------|-------------|-------------|
| | | | | XML | XML | XML | XML |
| | Platform | | | | | | |
| | AwardList | E0504 | For v4.0 | v | v | | |

(III) Turnkey data tables and fields

The following are the descriptions of data tables used in Turnkey and their fields. Oracle is used as an example for patterns:

| Form name | | FROM_CONFIG | | Form name in English | | Sender setting information |
|-----------|--|--------------------------|----------------------|----------------------|------------|----------------------------|
| Item | Field name | Field name in English | Pattern length | Key | Remark | |
| 1 | TRANSPORT_ID | Transport ID | VARCHAR2(10) | | | |
| 2 | TRANSPORT_PASSWORD | Transport Password | VARCHAR2(45) | | Not in use | |
| 3 | PARTY_ID | Sender tax ID number | VARCHAR2(10)NOT NULL | PK | | |
| 4 | PARTY_DESCRIPTION | Sender Description | VARCHAR2(200) | | | |
| 5 | ROUTING_ID | Rounting ID | VARCHAR2(39) | | | |
| 6 | ROUTING_DESCRIPTION | Rounting Description | VARCHAR2(200) | | | |
| 7 | SIGN_ID | Sing ID | VARCHAR2(4) | | | |
| 8 | SUBSTITUTE_PARTY_ID | Certificate Transmission | VARCHAR2(10) | | | |
| Index | FROM_CONFIG_INDEX1(SUBSTITUTE_PARTY_ID); | | | | | |

| Form name | | TURNKEY_TRANSPORT_CONFIG | | Form name in English | | Transfer Settings information |
|-----------|--------------|--------------------------|-----------------------|----------------------|--------|-------------------------------|
| Item | Field name | Field name in English | Pattern length | Key | Remark | |
| 1 | TRANSPORT_ID | Transport ID | VARCHAR2(10) NOT NULL | PK | | |
| 2 | TRANSPORT_PA | Transport | VARCHAR2(6) | | | |

| | | | | |
|-----------|--------------------------|----------|----------------------|-------------------------------|
| Form name | TURNKEY_TRANSPORT_CONFIG | | Form name in English | Transfer Settings information |
| | SSWORD | Password | 0) NOT NULL | |
| Index | | | | |

| | | | | | |
|-----------|----------------------|-----------------------|---------------------------|----------------------|--------|
| Form name | TURNKEY_USER_PROFILE | | Form name in English | Turnkey user setting | |
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | USER_ID | User ID | VARCHAR2(10)
NOT NULL | PK | |
| 2 | USER_PASSWORD | User Password | VARCHAR2(100)
NOT NULL | | |
| 3 | USER_ROLE | User Role | VARCHAR2(2) | | |
| Index | | | | | |

| | | | | | |
|-----------|-----------------|-----------------------|--------------------------|------------------|--------|
| Form name | SCHEDULE_CONFIG | | Form name in English | Schedule setting | |
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | TASK | Task Name | VARCHAR2(30)
NOT NULL | PK | |
| 2 | ENABLE | Is Enable | VARCHAR2(1) | | |
| 3 | SCHEDULE_TYPE | Schedule Type | VARCHAR2(10) | | |
| 4 | SCHEDULE_WEEK | Schedule Week | VARCHAR2(15) | | |
| 5 | SCHEDULE_TIME | Schedule Time | VARCHAR2(50) | | |
| 6 | SCHEDULE_PERIOD | Schedule Period | VARCHAR2(10) | | |

| | | | | | |
|-----------|----------------|-----------------|----------------------|--|------------------|
| Form name | | SCHEDULE_CONFIG | Form name in English | | Schedule setting |
| 7 | SCHEDULE_RANGE | Schedule Range | VARCHAR2(15) | | |
| Index | | | | | |

| Form name | | SIGN_CONFIG | Form name in English | | Certificate setting |
|-----------|---------------|-----------------------|----------------------|-----|---------------------|
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | SIGN_ID | Certificate ID | VARCHAR2(4) | PK | |
| 2 | SIGN_TYPE | Certificate Type | VARCHAR2(10) | | |
| 3 | PFX_PATH | PFX Certificate Path | VARCHAR2(100) | | |
| 4 | SIGN_PASSWORD | Certificate Password | VARCHAR2(60) | | |
| Index | | | | | |

| Form name | | TASK_CONFIG | Form name in English | | Task Path setting |
|-----------|---------------|-----------------------|----------------------|-----|----------------------|
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | CATEGORY_TYPE | Category Type | VARCHAR2(5) | PK | B2B/B2C |
| 2 | PROCESS_TYPE | Process Type | VARCHAR2(10) | PK | certificate/exchange |
| 3 | TASK | Task Name | VARCHAR2(15) | PK | |
| 4 | SRC_PATH | Source Path | VARCHAR2(200) | | |
| 5 | TARGET_PATH | Target Path | VARCHAR2(200) | | |

| Form name | | TASK_CONFIG | | Form name in English | | Task Path |
|-----------|--------------------|--------------------------|--------------|----------------------|--|-------------|
| | | | | | | setting |
| 6 | FILE_FORMAT | File Format | VARCHAR2(20) | | | Xml |
| 7 | VERSION | Version | VARCHAR2(5) | | | |
| 8 | ENCODING | Encoding | VARCHAR2(15) | | | Ms950/utf-8 |
| 9 | TRANS_CHINESE_DATE | Is Trans to Chinese date | VARCHAR2(1) | | | |
| Index | | | | | | |

| Form name | | TO_CONFIG | | Form name in English | | Receiver Setting Information |
|-----------|---------------------|------------------------|----------------|----------------------|-------------------------------|------------------------------|
| | | | | | | |
| Item | Field name | Field name in English | Pattern length | Key | Remark | |
| 1 | PARTY_ID | Receiver tax ID number | VARCHAR2(10) | PK | | |
| 2 | PARTY_DESCRIPTION | Receiver Description | VARCHAR2(200) | | | |
| 3 | ROUTING_ID | Routing Code | VARCHAR2(39) | | | |
| 4 | ROUTING_DESCRIPTION | Routing Description | VARCHAR2(200) | | | |
| 5 | FROM_PARTY_ID | Sender Setting | VARCHAR2(10) | PK | All set as 00000000 currently | |
| Index | | | | | | |

| Form name | | TURNKEY_MESSAGE_LOG | | Form name in English | | Message LOG |
|-----------|------------|-----------------------|----------------|----------------------|--------|-------------|
| | | | | | | |
| Item | Field name | Field name in English | Pattern length | Key | Remark | |

| Form name | | TURNKEY_MESSAGE_ | Form name in English | Message LOG |
|-----------|---|-------------------------------------|-------------------------|---|
| 1 | SEQNO | Message Sequence NO | VARCHAR2(8)
NOT NULL | PK
Turnkey use No. |
| 2 | SUBSEQNO | Message Sub Sequence NO | VARCHAR2(5)
NOT NULL | PK
Turnkey use No. |
| 3 | UUID | Universally Unique Identifier, UUID | VARCHAR2(40) | |
| 4 | MESSAGE_TYPE | Message Type | VARCHAR2(10) | i.e. A0101 |
| 5 | CATEGORY_TYPE | Category Type | VARCHAR2(5) | B2B/B2C |
| 6 | PROCESS_TYPE | Process Type | VARCHAR2(10) | Certificate or exchange |
| 7 | FROM_PARTY_ID | Sender tax ID number | VARCHAR2(10) | |
| 8 | TO_PARTY_ID | Receiver tax ID number | VARCHAR2(10) | |
| 9 | MESSAGE_DTS | Message Date | VARCHAR2(17) | |
| 10 | CHARACTER_COUNT | Character Count | VARCHAR2(10) | |
| 11 | STATUS | Status | VARCHAR2(5) | |
| 12 | IN_OUT_BOUND | Sender/Receiver | VARCHAR2(1) | |
| 13 | FROM_ROUTING_ID | Sender Routing Code | VARCHAR2(39) | |
| 14 | TO_ROUTING_ID | Receiver Rounting Code | VARCHAR2(39) | |
| 15 | INVOICE_IDENTIFIER | Invoice Identifier | VARCHAR2(30) | \$MESSAGE TYPE\$Invoice(allowance)no.\$date |
| Index | TURNKEY_MESSAGE_LOG_INDEX1(MESSAGE_DTS) | | | |

| | | | |
|----------------------------------|---------------------|----------------------|-------------|
| Form name | TURNKEY_MESSAGE_LOG | Form name in English | Message LOG |
| TURNKEY_MESSAGE_LOG_INDEX2(UUID) | | | |

| Form name | TURNKEY_MESSAGE_LOG_DETAIL | Form name in English | Message LOG Detail | | |
|-----------|---|-------------------------------------|---------------------------|-----|--------|
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | SEQNO | Message Sequence NO | VARCHAR2(8)
NOT NULL | PK | |
| 2 | SUBSEQNO | Message Sub Sequence NO | VARCHAR2(5)
NOT NULL | PK | |
| 3 | PROCESS_D
TS | Process Date | VARCHAR2(1
7) | | |
| 4 | TASK | Task Name | VARCHAR2(3
0) NOT NULL | PK | |
| 5 | STATUS | Status | VARCHAR2(5) | | |
| 6 | FILENAME | File Path | VARCHAR2(3
00) | | |
| 7 | UUID | Universally Unique Identifier, UUID | VARCHAR2(4
0) | | |
| Index | TK_MESSAGE_LOG_DETAIL_INDEX1 (FILENAME)
TURNKEY_MESSAGE_LOG_DETAIL_UUID_IDX (UUID) | | | | |

| Form name | TURNKEY_SEQUENCE | Form name in English | Turnkey Sequence | | |
|-----------|------------------|-----------------------|-------------------------|-----|--------|
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | SEQUENCE | Message Sequence | VARCHAR2(8)
NOT NULL | PK | |
| Index | | | | | |

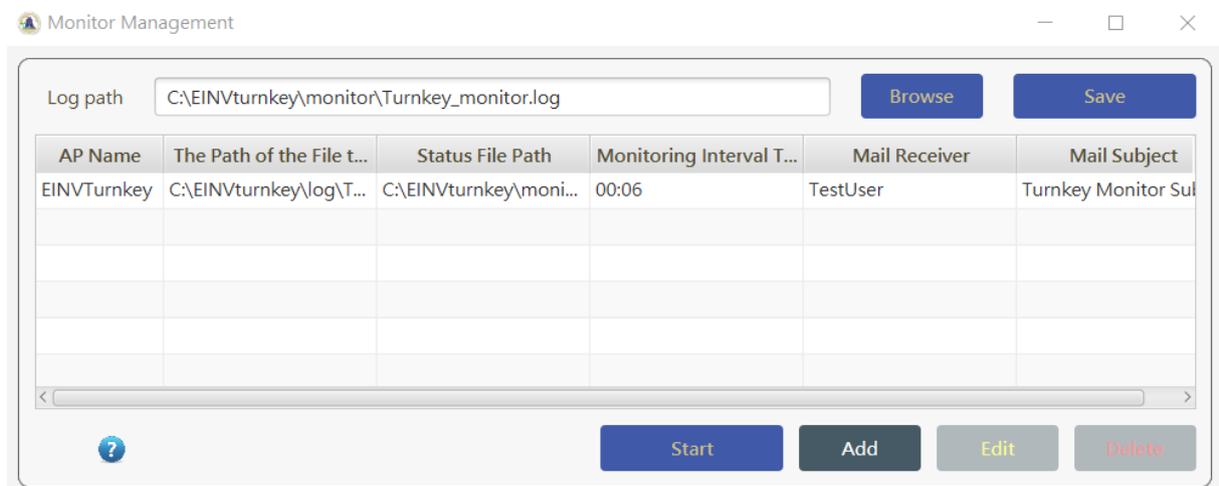
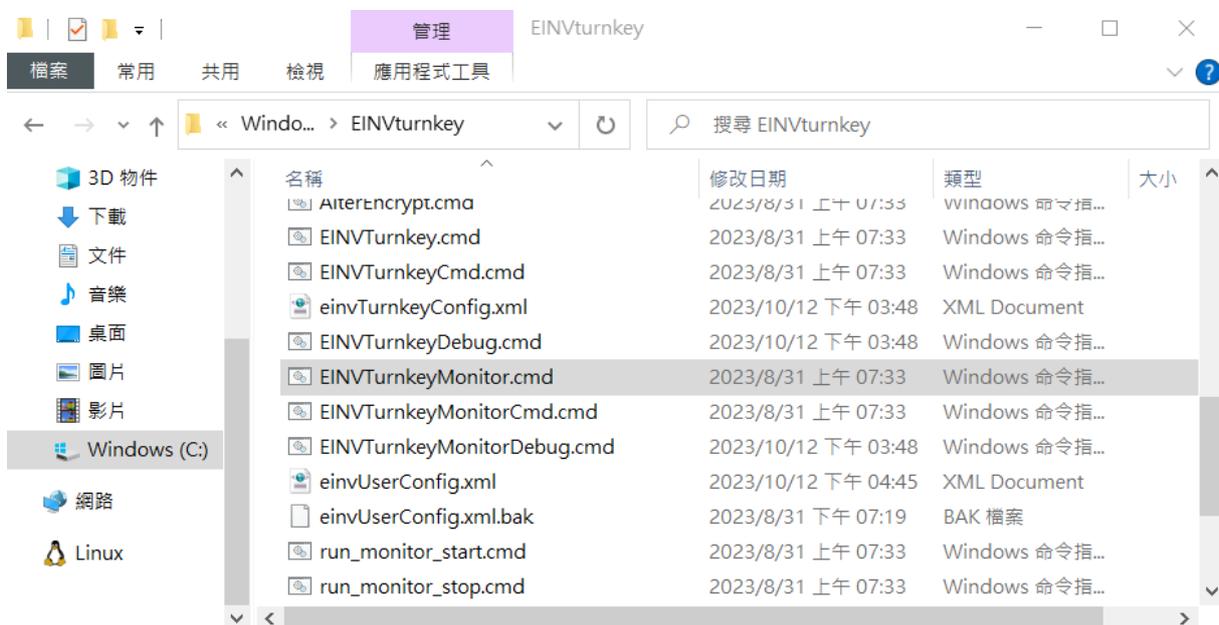
| Form name | | TURNKEY_SYSEVENT
_LOG | Form name in English | | System Event
LOG |
|-----------|---|--|---------------------------|-----|---------------------|
| Item | Field name | Field name in English | Pattern length | Key | Remark |
| 1 | EVENTDTS | Event Date | VARCHAR2(1
7) NOT NULL | PK | |
| 2 | PARTY_ID | Sender ID | VARCHAR2(1
0) | | |
| 3 | SEQNO | Sequence | VARCHAR2(8) | | |
| 4 | SUBSEQNO | Sub Sequence | VARCHAR2(5) | | |
| 5 | ERRORCODE | Error Code | VARCHAR2(4) | | |
| 6 | UUID | Universally Unique
Identifier, UUID | VARCHAR2(4
0) | | |
| 7 | INFORMATIO
N1 | Module Name | VARCHAR2(1
00) | | |
| 8 | INFORMATIO
N2 | Program Name | VARCHAR2(1
00) | | |
| 9 | INFORMATIO
N3 | Function Name | VARCHAR2(1
00) | | |
| 10 | MESSAGE1 | Message | VARCHAR2(1
00) | | |
| 11 | MESSAGE2 | Message | VARCHAR2(1
00) | | |
| 12 | MESSAGE3 | Message | VARCHAR2(1
00) | | |
| 13 | MESSAGE4 | Message | VARCHAR2(1
00) | | |
| 14 | MESSAGE5 | Message | VARCHAR2(1
00) | | |
| 15 | MESSAGE6 | Message | VARCHAR2(1
00) | | |
| Index | TURNKEY_SYSEVENT_LOG_INDEX1 (SEQNO, SUBSEQNO)
TURNKEY_SYSEVENT_LOG_INDEX2 (UUID) | | | | |

(IV) Turnkey monitoring functions and descriptions

that monitors whether Turnkey is working as it should, as described below:

Windows environment:

1. Step 1: EINVTurnkeyMonitor.cmd can be found in the installation folder, and double-click left mouse button to run and the monitoring management page will appear, as shown below.



2. Step 2: click on “Add” to add new monitoring parameters described below.

- (1) AP name: the user is allowed to name the Turnkey operation (EINVTurnkey in the example).
- (2) Path of the file to be monitored: define the file to be stored in the log folder in the directory where Turnkey is installed: Turnkey.log. As Turnkey is run, the current time in this file will be updated constantly and the monitoring program determines whether Turnkey is running normally by examining this time. The name of this file is defined in the Turnkey code field by going to “System environment settings” > “Notification settings” in Turnkey.
- (3) Status file path: this is the Monitor log file. The filename is user-definable. The monitoring program writes the current status of Turnkey in this file (MonitorStatus.txt in this example) on a regular basis.

This status file contains the following contents:

A. Turnkey has stopped

```
【2023-02-21 17:22:20】 EINVTurnkey is dead!
```

B. Turnkey is running

```
【2023-02-21 17:22:20】 EINVTurnkey is alive!
```

- (4) **Monitoring interval:** this is the interval between the checks that Turnkey is running normally (6 minutes min.)
- (5) **Notification setting - overtime notification:** this indicates how long

before a notification is issued when Turnkey is found dead (6 minutes min.)

- (6) **Notification setting - interval between messages:** this is the interval between messages sent when Turnkey is found dead (11 minutes min.)

The following profile contains the settings for the email account used(multiple groups of recipient email addresses can be separated by semicolons, and the second group of future emails will be sent as copies), subject and content of mail. Click on OK to save the profile as all settings are defined. All of the settings above are shown below.

Monitor settings

AP Name
EINVTurnkey

The Path of the File to be Monitored
C:\EINVturnkey\log\Turnkey.log

Status File Path
C:\EINVturnkey\monitor\MonitorStatus.txt

Monitoring Interval Time Hour Minute

Notification settings

Time-Out Notification Hour Minute

Interval time Between Two Letters Hour Minute

Mail Sender
EINVTurnkey@testMail.com.tw

Mail Receiver
TestUser@testMail.com.tw

Mail Host
localhost

Port Needed

Account and Password Needed

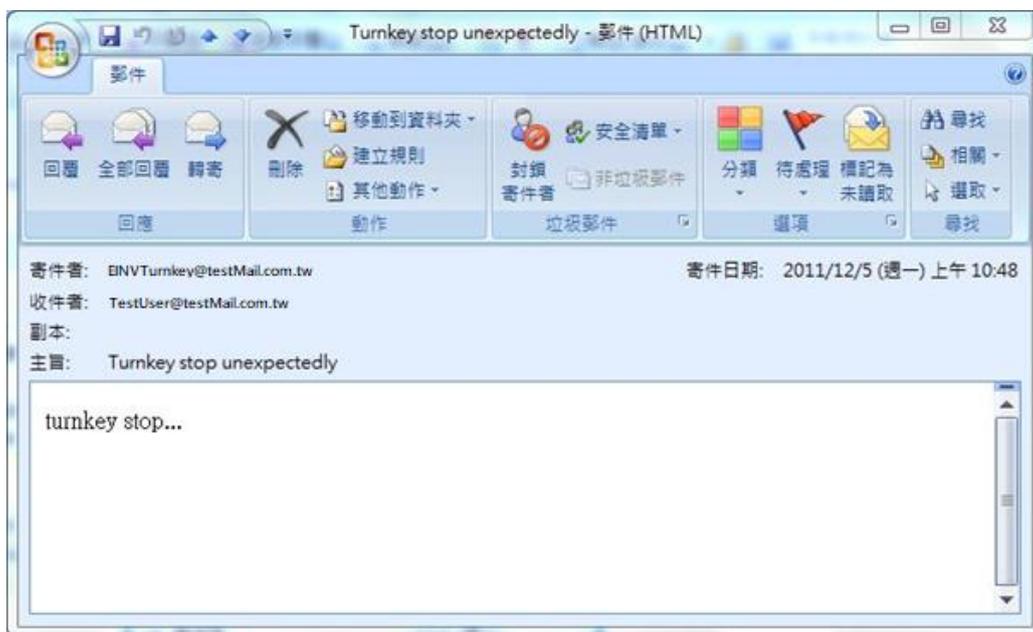
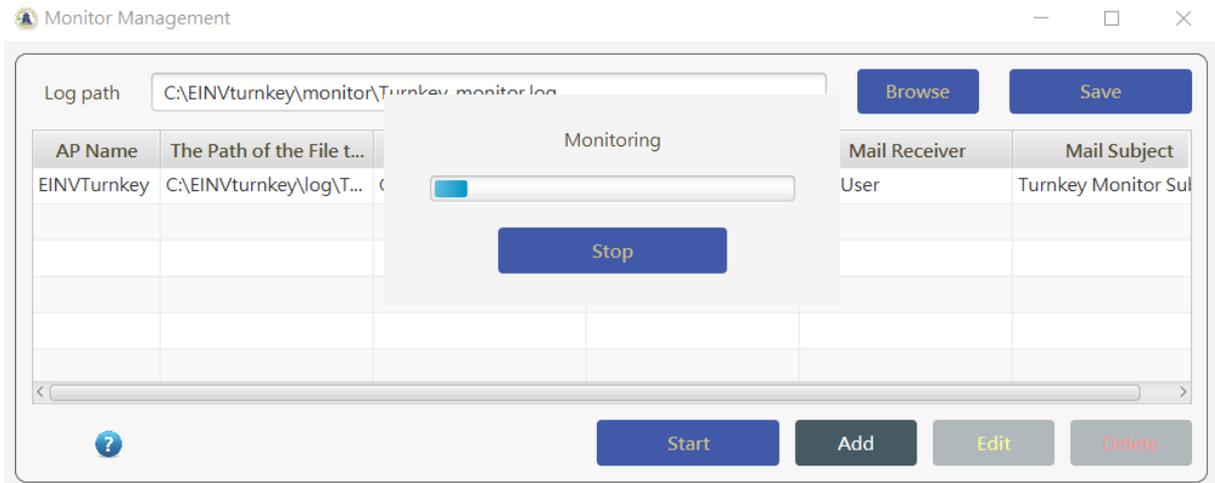
Account

Password

Mail Subject
Turnkey stop unexpectedly

Mail Content
turnkey stop...

- Step 3: at the end of Step 2, all of the settings just defined are presented in the monitoring management page. Click on “Start” to start monitoring the Turnkey. An email message will be sent, as shown below, when the Turnkey monitored is found dead.



(1) Linux environment:

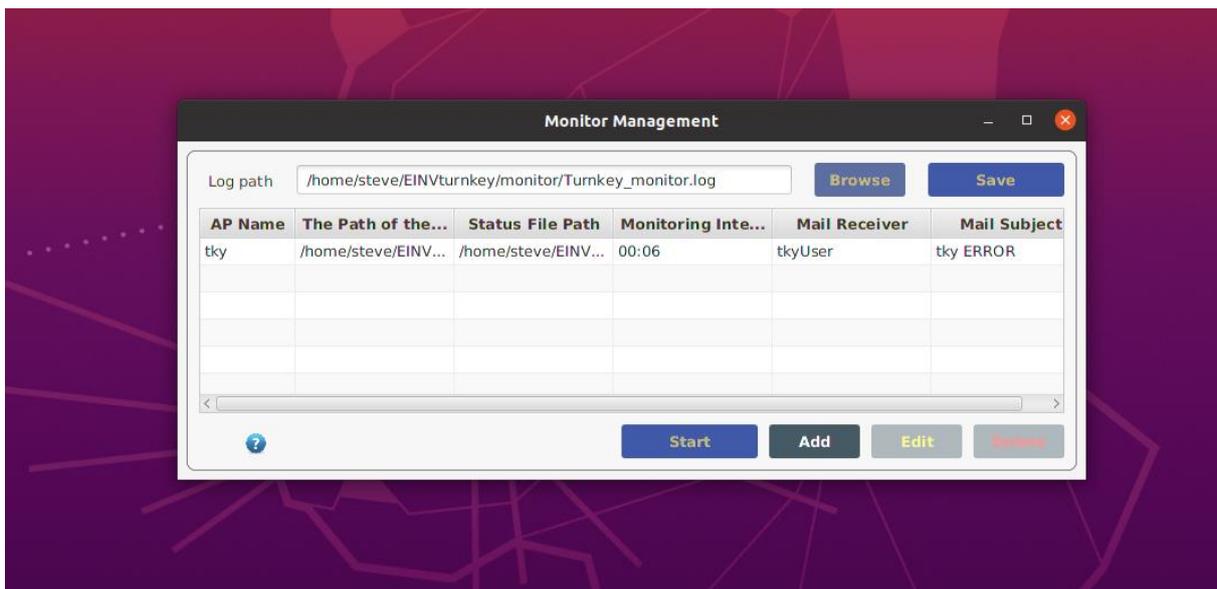
When the monitor executes, it will read the monitorConfig.json

configuration file in /EINVTurnkey/monitor/, which can be edited by the user through the monitoring management interface.

A. Step 1: Switch the execution directory to /EINVTurnkey in consloe and enable monitoring management run_monitor.sh console execution, as follows:

- #cd /installation directory/EINVTurnkey/
- #./run_monitor.sh

Exit the monitoring management page after execution, and the rest is the same as for Windows. Refer to Windows settings as shown below.



D. Step 2: After the setting is complete, you can open monitorConfig.json to confirm the set monitoring information, the instructions are as follows:

- #cd /installation directory/EINVTurnkey/monitor/
- # cat monitorConfig.json

```
steve@ubuntu:~/EINVturnkey/monitor$ cat monitorConfig.json
{"monitorTaskList":[{"apName":"tky","logFile":"/home/steve/EINVturnkey/log/Turnkey.log","statusFile":"/home/steve/EINVturnkey/log/MonitorStatus.txt","scanHour":0,"scanMin":6,"mailAlertHour":0,"mailAlertMin":6,"mailIntervalHour":0,"mailIntervalMin":11,"mailSender":"tky","mailReceiver":"tkyUser","mailServer":"localhost","useMailPort":true,"mailPort":"443","useMailAccount":true,"mailAccount":"tkyUser","mailPwd":"12345","mailSubject":"tky ERROR","mailContent":""}], "monitorLogPath":"/home/steve/EINVturnkey/monitor/Turnkey_monitor.log"}steve@ubuntu:~/EINVturnkey/monitor$
```

- E. Step 3: After confirming the setting information in Step 2, you can see the items just set in the monitoring management window, and execute "Start" to start monitoring the settings of Turkey. When the monitoring of Turnkey is suspended, it will receive an e-mail message notification.

(V) Turnkey Q&A

1. Turnkey environment

(1) Do I need a user account and password for Turnkey transmission?

To upload E-Invoices with Turnkey, the user has to submit an application to the E-Invoice Platform and fill out the “E-Invoice Platform Service Application Form.” Once approved, the Platform will provide a user account and corresponding password for data transmission.

(2) What type of database is acceptable for Turnkey?

JDBC connection is required. UTF-8 is used for database coding. The following databases are acceptable:

- PostgreSQL 11.7 or higher
- ORACLE 19c,21c or higher
- MYSQL5.7 or higher
- MS SQL Server 2014 or higher
- MariaDB 10.9.3 or higher
- Turnkey's internal filing system

(3) How do I estimate the size of database?

In general, 6 pieces of data are generated for every invoice, and therefore the size is estimated based on the quantity of transmission.

Space occupied by logs: a piece of data takes approximately 400 bytes. The data generated is around 2K. You may estimate the required space based on quantity per day/period.

Once the system is online, the “Keep only failure details in logs”

function in “System management > System environment settings” may be used to reduce the quantity of logs in database down to 1/5 of that required at the beginning.

(4) How do I choose the host?

- Consider how many data a business entity has to transmit.
- The file conversion is at the rate of 1000 pieces/minute (evaluated based on X86 server level)
- Memory is more than 32GB, if it is the same host as the database, it is recommended to be 32GB.
- Hard drive: based on 10K/message, 1000 pieces of data require 40MB storage space.
- If database is included, 60MB of space is required.

(5) How do I choose a database?

The database used for Turnkey is selected based on the its characteristics.

A. ORACLE:

- Accommodates a substantial quantity of data but at a higher cost;
- Suitable for large business entities;
- More than 500,000 pieces of data every day;
- Database partition function is recommended to shorten the file clearing time;
- DBA is required for management.

B. MSSQL:

- Acceptable performance at a medium cost;
- Suitable for medium-sized business entities;

- More than 10,000 pieces of data every day;
- DBA is required for management.

C. MYSQL/Postgres:

- Free software but with stripped-down performance;
- Not for users with large quantity of messages;
- Typical business entities with 10,000 pieces of data per day or fewer;
- Management by file clearing on a regular basis.

D. Internal file system

- No need for integration with any external application;
- Users do not access the contents of database directly and learn uploading status through Turnkey.
- Management by file clearing on a regular basis.

(6) How do I delete the historic records of previous invoice uploading and downloading in Turnkey?

A. The file clearing can be done by scheduling, and the backup files generated during invoice processing will be removed as well. The scope of clearing (files of how many days old to be cleared) is defined in “days of data retention” in “System management > System environment settings.”

E. Alternatively, the clearing can be done manually in Tools > Clearing settings.

E-Invoice Turnkey (version = 3.0.42 · Test Environment) Scheduling Settings

Transfer Settings Query Logs Tools Help

Set Schedule Schedule Log Message Log System Event Log

| Task | Ena... | Type | Day | Time | Period | Range | Status |
|----------------|--------|--------|---------------|-------|--------|-------|-----------|
| U:Send File | No | PERIOD | 1,2,3,4,5,6,7 | | 01:01 | | Terminate |
| D:Receive F... | No | PERIOD | 1,2,3,4,5,6,7 | | 01:01 | | Terminate |
| D:Unpack | No | FIX | 1,2,3,4,5,6,7 | 12:30 | | | Terminate |
| D:Transfer ... | No | FIX | 1,2,3,4,5,6,7 | 01:01 | | | Terminate |
| A:Upload l... | Yes | PERIOD | 1,2,3,4,5,6,7 | | 00:02 | | Terminate |
| A:Downloa... | Yes | PERIOD | 1,2,3,4,5,6,7 | | 00:02 | | Terminate |

Task Selection Rule Enable Mon. Tue. Wed. Thu. Fri. Sat. Sun. All

Fix Time

1. ___ h; ___ m; 2. ___ h; ___ m;
 3. ___ h; ___ m; 4. ___ h; ___ m;
 5. ___ h; ___ m; 6. ___ h; ___ m;
 7. ___ h; ___ m; 8. ___ h; ___ m;

Period ___ h; ___ m;
 Time of Start and End
 All
 begin ___ h; ___ m;
 End ___ h; ___ m;

Executed when Turnkey Starts

File Name of Turnkey Monitoring Log C:\EINVturnkey\log\Turnkey.log

Executing Status

E-Invoice Turnkey (version = 3.0.42 · Test Environment) File Clearing Settings

Transfer Settings Query Logs Tools Help

delete 30 days

Clear Message Logs
 Clear Event Logs
 Clear Physical Files
 Clear All

(7) Do I need to apply for a new certificate?

A. There is no need to apply for a new certificate if you still have a valid certificate and keep the certificate file in its original PFX format.

F. However, you do have to apply for a new certificate if the old one expires. You will have to register the new one with the Platform when it is approved, so that it becomes valid.

(8) How do I set up the Turnkey firewall?

A. The business entity shall provide the upload IP used in the test and official environments in the application form.

G. According to the IP provided in the application form, the center end will activate Ports 2222 and 443.

H. Ports 2222 and 443 have to be activated at the business entity end as well.

2. Turnkey installation configuration

(1) Configuration issue between DB and Turnkey?

The DB port has to be activated between DB and Turnkey. Port 5432 is used for PostgreSQL. The internal firewall settings have to be activated as well.

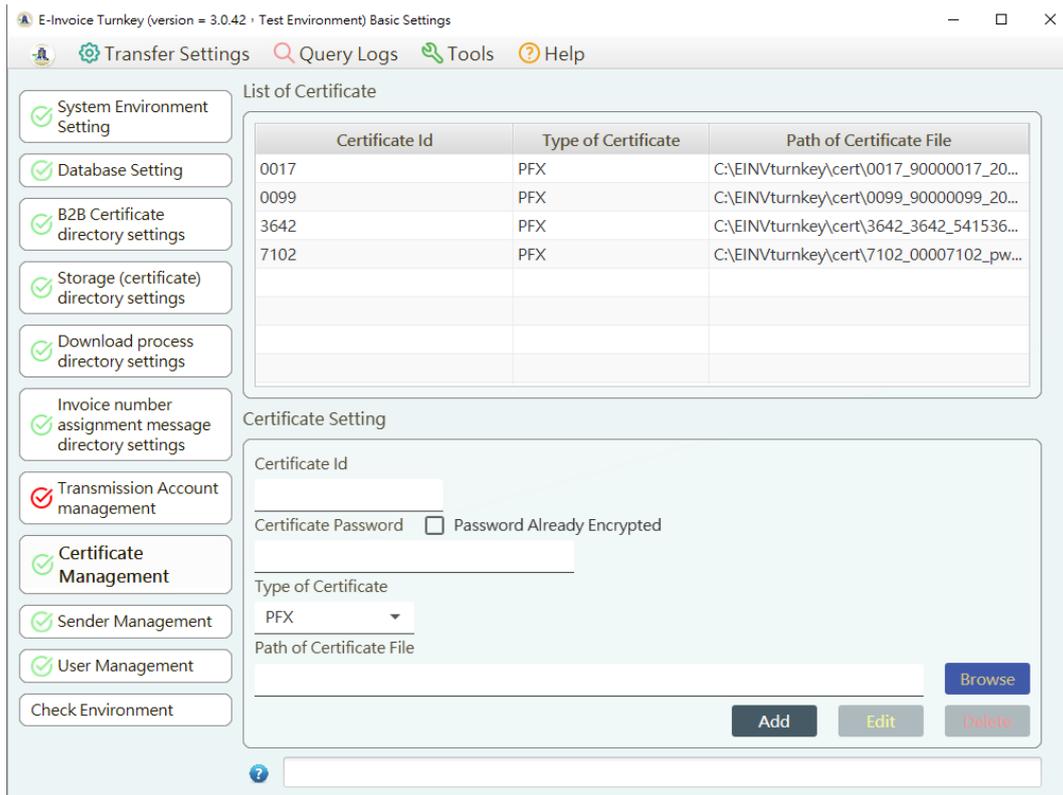
(2) How do I install Turnkey table Schema in DB?

Once unzipped, the installation package contains a directory DBSchema that contains the DDL script required to run on different databases. Execute this script in the DB to be used to establish the table tables used by Turnkey.

(3) How do I apply for the software certificate PFX file for Turnkey?

To apply for software certificate PFX file, please refer to “21. Software Certificate” in Chapter “V. Screen Operations” of this Manual.

(4) How do I import the certificate settings to Turnkey?



Define the certificate management code, password and certificate type in Basic Setting/Certificate Management in Turnkey. Define the certificate path if the certificate type is PFX. Click on OK to validate the certificate password. If the password checks out, the certificate setting is successful.

3. Use the Turnkey

- (1) As I started Turnkey, it showed update failure during the program version check.

Check that the environment / security settings are correct; for example, is the firewall port activated? If not, this error message will be generated (the ports 2222 and 443 have to be activated).

(Since the connection to gw.einvoice.nat.gov.tw is required to search for any new version with Web Service.)

(2) Certificate validation failure during uploading

When the error code E0301 Signature validation failure shows up, please call customer service for the assistance in certificate importing.

(3) How do I know the E-Invoice files I sent are processed?

- A. Refer to “IV.5 E-Invoice file transmission” of this Manual.
- B. Click on Download immediately after uploading, and the process result of successful uploading will be downloaded to the client end. The processing result file downloaded is in the directory Unpack\BAK\ProcessResult and sorted subdirectories by date and time. For more details, see “VII. Uploading status inquiry” of this Manual.

(4) What should I do with an error message occurring during uploading?

See “IX.1 Error message codes and remedies” of this Manual.

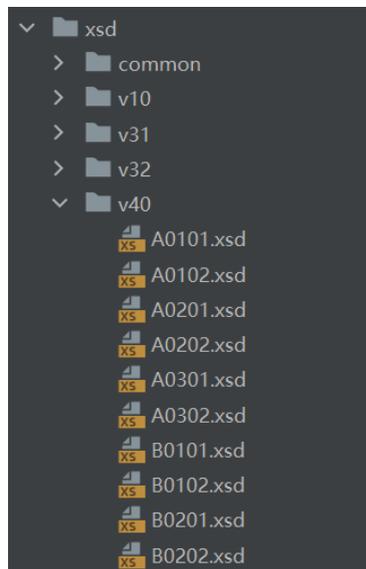
(VI) How to use Turnkey gateway elements

Turnkey provides gateway elements to allow business entities to convert invoice data into XML format of MIG. The format of business entity’s invoice data, no matter it is txt, csv or corresponding fields in database, can be converted into XML format of MIG by calling gateway api.

The gateway elements are placed in lib under Turnkey installation directory in the name "invoice-ty-gateway-webservice-latest version.jar." The "invoice-gateway- lib" covers xsd, message parse, message format validation, signature and transmission defined in MIG.

1. xsd to be observed for XML developed for MIG

The xsd rules are based on version in the xsd package. The latest version of the Platform is v31.



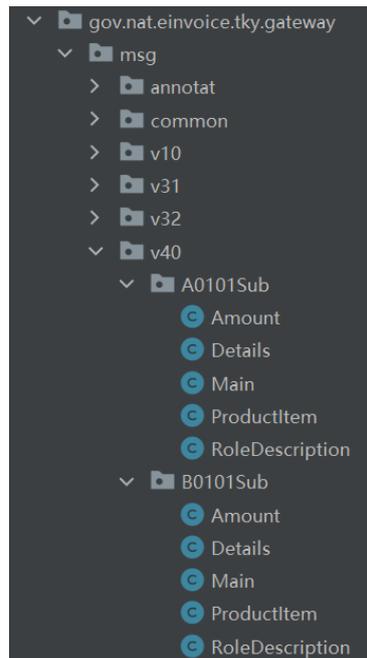
2. Element functions

The Turnkey end will perform version conversion, check, signature and uploading for clients, and it is this element that provides these functions. The programs of these functions, gov.nat.invoice.tky.gateway.*, are described below.

(1) gov.nat.invoice.tky.gateway.msg

Stored in this package are the beans for each type of message of different version. When an invoice is parsed and comes in, it will be

saved in these objects for version conversion or other tasks.



(2) gov.nat.einvoice.tky.gateway.process.parser

While using Turnkey, the invoice string entered can be converted into an EINVMMessage object through `parseXml ()`. This is when version conversion is performed as required. For output, `generateXmlByJaxb ()` is called to restore the output string.

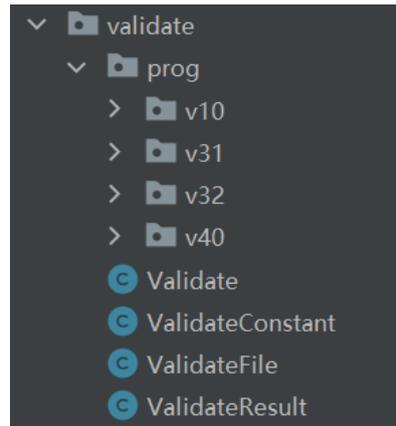
```
//EX:marshal and unmarshal method
public String generateXmlByJaxb (OutputStream os, Object payload) {...}
public EINVMMessage parseXml (InputStream is, String version, String
    format) throws JAXBException {...} extends EINVPayload> clazz)
    throws ParserException {...}
```

(3) gov.nat.einvoice.tky.gateway.process.validate

`validate` provides the function to check that the invoice format is correct or not. First, the validation of xsd requirements is performed during the validation using the package of `rt.jar`

javax.xml.validation in JRE, followed by the validator that we developed in-house. This validator includes logic judgments between fields, which compensates the xsd validation.

The validation methods provided in Validate are: validateFileByXsd () and validateFileByProg ().



```
//Methods provided by Validate
public static ValidateResult validateFileByXsd(Source xmlSource,
        String version, String format){...}
public static ValidateResult validatePayloadByProg(EINVPayload
        payload, String version, String format){...}
```

3. Example of invoice data conversion into MIG format

The following is an example of how an business entity converts invoice data format into XML format of MIG. The format of business entity's invoice data, no matter it is txt, csv or corresponding fields in database, can be converted into XML format of MIG by calling gateway api. The example is presented below.

```

File xmlFile = new File(sourceFile);
ValidateResult result = null;
// Verify XML format (determine whether to verify in xsd or prog)
if ("xsd".equals(validateMethod))
    result = new Validate().validateFileByXsd(xmlFile, "v32", "A0101");
else
    result = new Validate().validateFileByProg(xmlFile, version, format);
if (result != null) {
    System.out.printf("Validate result:%n");
    //ErrorCode
    System.out.printf("    code = %s%n", result.getErrorCode());
    //ErrorMessage
    System.out.printf("    message = %s%n", result.getErrorMessage());
    System.out.printf("    exception = %s%n", result.getException());
}else
    System.out.printf("Validate result is null%n");
}

```

(VII) Prevent missed uploads through ProcessResult and SummaryResult check mechanism

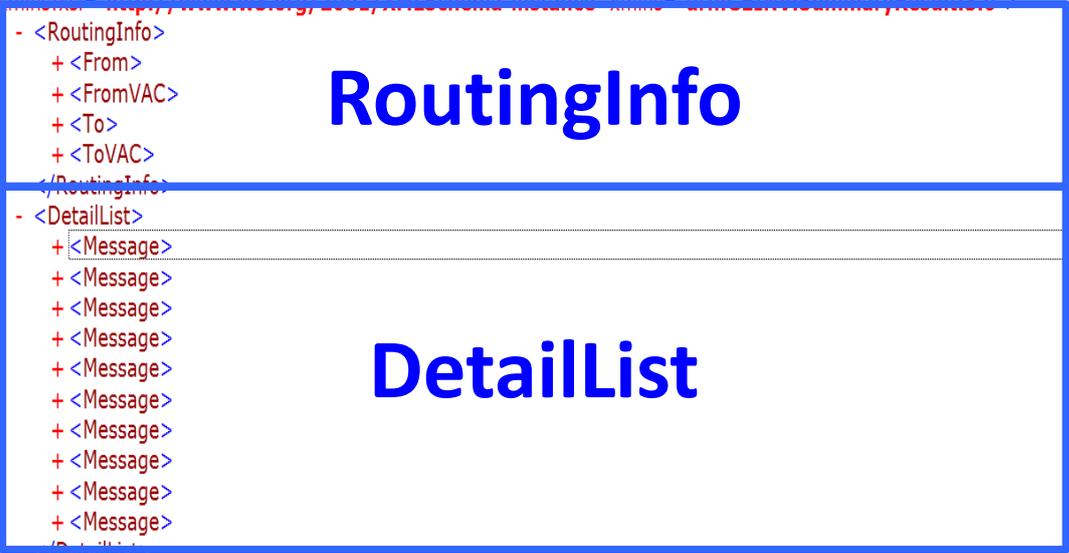
ProcessResult is the reply file downloaded by business entity through the Turnkey download platform as the center end transmits the results to the FTP of business entity via the center's certificate signature according to the process status after invoices are uploaded. As this file is decrypted by the Turnkey, a text file will be placed in "Unpack\BAK\ProcessResult" and sorted by the current date and time.

SummaryResult is the reply file downloaded by business entity through the Turnkey download platform as the quantity statistics of the invoices uploaded in the previous day and the processing result of every piece of data are generated depending on the receivers of data uploaded and exchanged by every Turnkey user. As this file is decrypted by the

Turnkey, a text file will be placed in Unpack\BAK\SummaryResult and sorted by the date of receipt of the invoice and the datetime of receipt of the file.

The processing result detail file of SummaryResult consists of RoutingInfo and DetailLst, as shown below.

```
<?xml version="1.0" encoding="UTF-8"?>
- <SummaryResult xsi:schemaLocation="urn:GEINV:SummaryResult:3.0 SummaryResult.xsd"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:GEINV:SummaryResult:3.0">
  - <RoutingInfo>
    + <From>
    + <FromVAC>
    + <To>
    + <ToVAC>
  </RoutingInfo>
  - <DetailList>
    + <Message>
    + <Message>
  </DetailList>
</SummaryResult>
```



The diagram shows an XML document structure. The root element is <SummaryResult>. It contains two main child elements: <RoutingInfo> and <DetailList>. The <RoutingInfo> element contains four sub-elements: <From>, <FromVAC>, <To>, and <ToVAC>. The <DetailList> element contains ten sub-elements, each labeled <Message>. The <RoutingInfo> section is highlighted with a blue box and labeled 'RoutingInfo' in large blue text. The <DetailList> section is also highlighted with a blue box and labeled 'DetailList' in large blue text. A dotted line indicates a continuation of the <Message> elements.

The RoutingInfo contains the tax ID numbers and routing codes of both the sender and receiver; the DetailList consists of multiple Messages, and a Message contains Info and ResultType. Every Message represents an upload packet where Message > Info > Id corresponds to MessageInfo > Id of ProcessResult, as shown below.

```

- <DetailList>
- <Message>
+ <Info>
  <Id>v31-C0401-20150326-092307063-45971eb9-8c22-43e0-8f0f-89c266d2d377</Id>
  <Size>100</Size>
  <MessageType>C0401</MessageType>
  <Service>S</Service>
  <Action>B2C</Action>
</Info>
- <ResultType>
  + <Total>
  + <Good>
  + <Failed>
</ResultType>
</Message>
+ <Message>
</DetailList>

```

Info

```

<?xml version="1.0" encoding="UTF-8" ?>
<ProcessResult xmlns:term="http://www.geinv.com/ProcessResult/3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="term:GEINV/ProcessResult/3.0" >
  <HeaderInfo>
    <From>
      <PartyId>00007103</PartyId>
    </From>
    <FromVAC>
      <RoutingId>P5000002</RoutingId>
    </FromVAC>
    <To>
      <PartyId>00000000</PartyId>
    </To>
    <ToVAC>
      <RoutingId>0</RoutingId>
    </ToVAC>
  </HeaderInfo>
  <MessageInfo>
    <Id>v31-C0401-20150324-170900733-a9035627-e2f2-48fc-ab46-5d3013e352a3</Id>
    <PartyId>P200000000</PartyId>
    <MessageType>C0401</MessageType>
    <Service>S</Service>
    <Action>B2C</Action>
  </MessageInfo>
  <Result>
    <Info>
      <Code>00000</Code>
      <Description>全部数据上传成功</Description>
      <Parameter0>1</Parameter0>
    </Info>
  </Result>
</ProcessResult>

```

ProcessResult

The ResultType contains the the number of all the invoices uploaded, invoice numbers, and the numbers of successes and failures in the packet. The “Total” contains the number of invoices uploaded and the information of of all invoices uploaded, “Good” contains the number of successes and the information of of invoices uploaded successfully, and “Failed” indicates the number of successes and the information of of invoices failed to be uploaded, as shown below.

<pre> - <ResultType> - <Total> - <ResultDetailType> <Count>1</Count> - <Invoices> - <Invoice> <ReferenceNumber>TA00007712</ReferenceNumber> <InvoiceDate>20150326</InvoiceDate> </Invoice> </Invoices> </ResultDetailType> </Total> - <Good> </pre>	<h1>Total</h1>
<pre> - <ResultDetailType> <Count>0</Count> </ResultDetailType> </Good> - <Failed> </pre>	<h1>Good</h1>
<pre> - <ResultDetailType> <Count>1</Count> - <Invoices> - <Invoice> <ReferenceNumber>TA00007712</ReferenceNumber> <InvoiceDate>20150326</InvoiceDate> </Invoice> </Invoices> </ResultDetailType> </Failed> </ResultType> </pre>	<h1>Failed</h1>

■ The process that a business entity compares the SummaryResult invoice uploading result:

1. Check every day that the number in the Final file of SummaryResult is the same as the total number of invoices uploaded through Turnkey;
2. Check every day that the actual numbers of uploads of <Total>, <Good> and <Failed> in SummaryResult (results of all uploads in the previous day) are the same as the actual numbers of uploads;
3. Investigate the cause of error when SummaryResult contains <Failed> data, and identify the ID of corresponding ProcessResult in <Message><Info>;
4. Locate the file with the same filename of the same ProcessResult Id and the extension of ProcessResult in the ProcessResult directory.
5. Open the ProcessResult file and check the message in <Result>, i.e. error

code, error cause, tax ID number and invoice date;

6. Correct the invoices with error and upload again.

Or, refer to the “Inspection mechanism for Turnkey to check missed uploads” document of the Platform.

(VIII) H2 database version update and data migration (only for v3.x Turnkey to v3.1.2 Turnkey)

Since the v3.1.2 version of the Turnkey will use the H2 database version with stronger security, if you are setting up to use the H2 database, after updating the Turnkey to v3.1.2, the system will automatically back up the original H2 database and transfer the relevant setting data of the invoice to the new H2 database when you enable the Turnkey for the first time (in order to avoid too many transaction records and the conversion time will take too long), If you want to transfer the transaction history data to the new H2 database, you can also run a `AlterEncrypt.cmd` in the installation directory (`AlterEncrypt.sh` for the Linux version) to complete the data transfer of the H2 database.

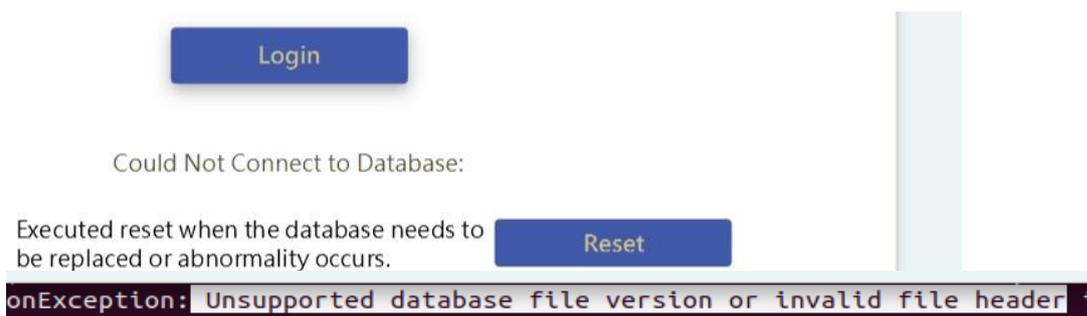
1. Original H2 database backup and data migration

After the turnkey is updated to v3.1.2, when the turnkey is enabled, a bak folder will be automatically created in the original H2 database directory, and the original H2 database file will be moved to the bak folder for storage. After the backup is completed, the information related to invoice transmission in the original H2 database will be transferred to the new H2 database, please refer to the following instructions for the detailed update procedure.

- (1) Restart the Turnkey to update the update data

```
g.n.e.t.u.UpgradeDownloadView 244 - zip file :/home/acol/test/310-54153642-H2/EINVUPGRA
g.n.e.t.u.UpgradeDownloadView 244 - zip file :/home/acol/test/310-54153642-H2/EINVUPGRA
4153642-H2$ ./run_ui.sh
4153642-H2$ 02/19 17:44:44.022 INFO g.n.e.t.ky.config.TurnkeyConfig 147 - 運作環境 :Test
g.n.e.t.ky.config.TurnkeyConfig 236 - apiVersion :3.1.1
g.n.e.t.ky.util.TurnkeyTools 199 - now turnkey version :3.1.2, api :3.1.1
g.n.e.t.ky.util.TurnkeyTools 201 - os :Linux, dbType :h2
g.n.e.t.ky.util.TurnkeyTools 236 - online turnkey version :3.1.3, api :3.1.1
```

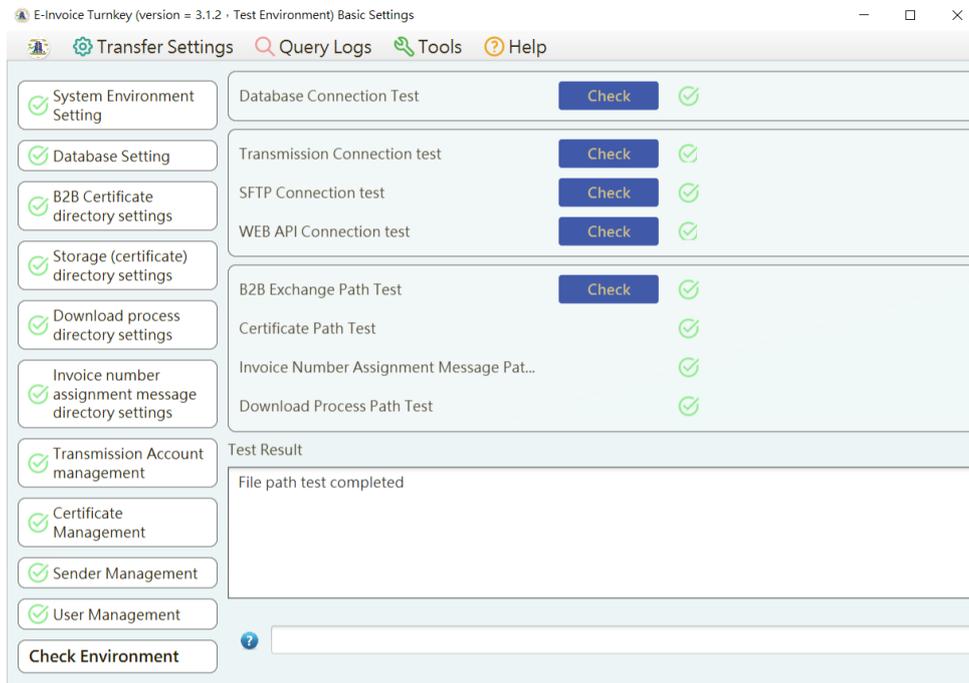
- (2) When you enter the login screen, you will not be able to log in temporarily, when the log shows Unsupported database file version or invalid file header, please continue to run the H2 update process. If you log in, you can proceed with the transaction record data transfer process.



- (3) H2 database updater
 - (A) Close the turnkey and restart it
 - (B) H2 update will be performed automatically

```
acol@acolTV:~/test/310-54153642-H2$ ./run_ui.sh
CHK H2 ...
/home/acol/test/310-54153642-H2/einvUserConfig.xml
jdbcUrl :jdbc:h2:file:/home/acol/test/310-54153642-H2/innerfs/EINVTurnkey
dbFolderNew :/home/acol/test/310-54153642-H2/innerfs
dbFolder :/home/acol/test/310-54153642-H2/innerfs/bak
url :jdbc:h2:file:/home/acol/test/310-54153642-H2/innerfs/EINVTurnkey
Unsupported database file version or invalid file header in file "/home/acol/
/home/acol/test/310-54153642-H2/innerfs/bak/EINVTurnkey.mv.db
Moved: /home/acol/test/310-54153642-H2/innerfs/EINVTurnkey.mv.db to /home/aco
/home/acol/test/310-54153642-H2/innerfs/bak/EINVTurnkey.trace.db
Moved: /home/acol/test/310-54153642-H2/innerfs/EINVTurnkey.trace.db to /home/
All files moved successfully.
export H2 Data
Create new version of H2url :jdbc:h2:file:/home/acol/test/310-54153642-H2/inn
Import H2 Datah2Engine: /home/acol/test/310-54153642-H2/h2engine/h2-2.2.224.j
Trans H2 Data EndTKY starting ...
```

(C) Log in to the system again and perform the environmental test, when all the green ticks are normal



(4) Transaction Data Transfer Procedure

Automatic conversion only provides the conversion of configuration data, and you can manually perform the `{installation directory}/AlterEncrypt.cmd` conversion message log file.

(A) Perform AlterEncrypt.cmd conversion of msglog data

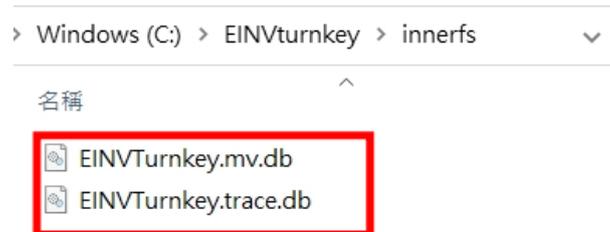
```
acol@acolTV:~/test/310-54153642-H2$ ./AlterEncrypt.sh
/home/acol/test/310-54153642-H2/einvUserConfig.xml
url :jdbc:h2:file:/home/acol/test/310-54153642-H2/innerfs/EINVTurnkey
CHK H2 ok
export H2 Data
import H2 Data;h2Engine: /home/acol/test/310-54153642-H2/h2engine/h2-2.2.224.jar, sqlFile: /
```

(B) After the conversion is successful, the information record can be queried

Seq No	Sub ...	Invoice Identifier	UUID	Mess...	Cat...	Proc...	Sender ...	Receiver...	Message Date	Sta...
NBL00AWA	00001	A0101HD21000000...	1f678be8-f1f3-...	A0101	B2B	EXC...	54153642	04133002	2023-11-21 18:35:06	C
NBL00AWK	00001		1f678be8-f1f3-...	A0101	B2B	EXC...			2023-11-21 18:35:06	Agr...
NBL00AWB	00001	A0101HD21000001...	17fe0608-dd6b...	A0101	B2B	EXC...	54153642	04133002	2023-11-21 18:35:07	C
NBL00AWL	00001		17fe0608-dd6b...	A0101	B2B	EXC...			2023-11-21 18:35:07	Agr...
NBL00AWC	00001	A0101HD21000008...	6103f21d-5544-...	A0101	B2B	EXC...	54153642	04133002	2023-11-21 18:35:07	C
NBL00AWM	00001		6103f21d-5544-...	A0101	B2B	EXC...			2023-11-21 18:35:07	Agr...
NBL00AWD	00001	A0101HD21000006...	d546972b-f8aa...	A0101	B2B	EXC...	54153642	04133002	2023-11-21 18:35:07	C
NBL00AWN	00001		d546972b-f8aa...	A0101	B2B	EXC...			2023-11-21 18:35:07	Agr...
NBL00AWE	00001	A0101HD21000004...	5d4a5133-e8a9...	A0101	B2B	EXC...	54153642	04133002	2023-11-21 18:35:08	C

2. Restore mechanism (non-essential, if there is an abnormality in the conversion process, you need to re-convert)

(1) Manually delete the H2 data file in the H2 database directory



(2) Copy the original H2 database file((H2 files are backed up in the $\{\text{installation directory}\}/\text{innerfs}/\text{bak}/ \text{EINVTurnkey.mv.db}$ folder) to the H2 database directory

(3) Re-enable Turnkey to complete the data transfer of invoice transfer settings

(4) Manually execute the AlterEncrypt.cmd in the installation directory (AlterEncrypt.sh for Linux version) to complete the transaction data transfer