Facility Operator to Customer Service Center

Interface File and Reporting Specifications

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1.0 Introduction

The IAG Reciprocity II document was developed to establish a framework in which E-ZPass Agencies could participate in tag use not directly related to tolls, for example parking fees. It is assumed that any contemplated non-toll activity will fall under the framework of Reciprocity II (and the subsequent Reciprocity III).

Actual implementation of non-toll processing requires the various Customer Service Centers to develop internal programs and procedures as well as support the IAG File and Report Specifications which were developed in response to Reciprocity II.

The following files constitute the IAG standard file structure and protocol with which a Host CSC can communicate with a Facility Operator. The fundamental concept is that transaction files from a Facility Operator are split, by the Host CSC, into smaller files for processing by each Agency/CSC. Each file in that group is subsequently reconciled back to the Facility Operator.

The purpose of this document is to establish file specification and protocol necessary for a Facility Operator to exchange information with their Host CSC. The file format and protocol are based on the IAG inter-CSC file specification.

The interface files defined are (inter-Agency/CSC files are shown in **bold** and are not a part of this specification):

File Name	File Extension	File Usage
FO Tag Status File	FTAG	The FO Tag Status File is created each day by the Host CSC for each Facility Operator serviced by the Host. The Tag Status File will contain only valid tags per Reciprocity II.
FO Transaction File	FNTX	The FO Transaction file is created once each day and sent to the Host CSC. This file contains all transactions previously accepted by the Facility Operator but not yet processed by the Host. Transaction Files contain original transactions only (not corrections or re-submittals).
FO Distribution File	FNDX	For every FO Transaction File and FO Correction File received, the Host CSC shall return an FO Distribution File back to the Facility Operator summarizing the transactions in the FO Transaction/Correction File. The file header contains the file number from the corresponding FO Transaction/Correction File. There are *n* records, one record for each Home Agency/CSC represented in the FO Transaction/Correction File. The Distribution File provides the Facility Operator with assurance that the transactions in the corresponding Transaction/Correction File have been bundled into the appropriate **INTX** file and sent to that Agency/CSC (including the Host for posting).
FO Transaction Reconciliation File	FNRX	The Host CSC will generate *n* FO Transaction Reconciliation Files for each FO Transaction File, one file for each Home Agency/CSC represented in the FO Transaction File (including the Host). These files correspond one for one to the **INRX** reconciliation files received from each Home Agency/CSC in response to an **INTX** file. The file header contains the corresponding **INTX** file number and there is one detailed record for each transaction reconciled. Per IAG rules, an **INRX** file will not be generated until all transactions in the corresponding **INTX** file have been fully processed. The FO Distribution File provides the link to the original FO Transaction File.

File Name	File Extension	File Usage
FO Correction File	FTXN	The Facility Operator uses the FO Correction File to resubmit rejected, declined or incorrect transactions*. Original transactions may be resubmitted only once and only if the most recent FO Tag Status file indicates that the corresponding tag is valid. The transactions included in a correction file may be from any Home Agency and from any time (within the processing time limits). * Note: While the FO Correction File is used to make adjustments initiated by the Facility Operator, there is no corresponding file to make adjustments initiated by the Host (i.e., reversals and disputes). These adjustments are made at the CSC and the information is related to the Facility Operator via the Host Reports.
FO Correction Reconciliation File	FRXN	The Host CSC will generate *n* FO Correction Reconciliation Files for each FO Correction File, one file for each Home Agency/CSC represented in the FO Correction File (including the Host). These files correspond one for one to the **IRXN** reconciliation files received from each Home Agency/CSC in response to an **ITXN** file. The file header contains the corresponding **ITXN** file number and there is one detailed record for each transaction reconciled. Per IAG rules, an **IRXN** file will not be generated until all transactions in the corresponding **ITXN** file have been fully processed. The FO Distribution File provides the link to the original FO Correction File.
Acknowledgement File	ACK	The Acknowledgment File shall be created, by the entity receiving a file, to inform the entity which sent the original file that the file transmitted was received in its entirety. An Acknowledgement File shall be sent for each of the above referenced files.

2.0 Transaction Processing

1. The Host CSC shall reject original and corrected transactions according to the IAG Specification, including transactions older than 60 days.

2. Non-toll transactions <$20 will be posted directly to a valid account replenished by a credit card. A transaction that is attempted to be posted to an account that is currently replenished by CASH or CHECK will be rejected as NOCC.

3. A non-toll transaction ≥ $20 will create a separate re-bill request to the credit card processor for the exact amount of the transaction. If the payment is approved by the credit card processor then the payment and the transaction should both be posted to the account. If payment is not approved, then this should be noted on the account (with some means of identifying the associated non-toll transaction), and the transaction rejected as DECL in the INRX (and FNRX) file.

3.0 Reporting Requirements

The following reports are defined for the Host and the Facility Operator. Report formats are in Appendix A & B.

Host - Two Reports are defined for the Host

The Host Agency receives IAG non-toll reports from each Home Agency. These reports indicate the amount that a Home Agency owes to a Host Agency/Facility Operator for a particular settlement period. The reports are based on data in reconciliation (INRX and IRXN) files.

For each settlement period, the Host will compile a "Facility Operator Period Transaction Summary Report" (FH-1) of transactions based on Non-Toll Reconciliation (INRX) files acknowledged in the settlement period and a “Facility Operator Period Correction Summary Report” (FH-2)_of transactions based on Non-Toll Correction Reconciliation (IRXN) files acknowledged in the settlement period. Fees and final settlement reports are specific to the particular Host and Facility Operator. Due to the one for one relationship of INRX/IRXN and FNRX/FRXN files, the existing IAG 1.51N reports can serve as supporting documents to reports FH-1 and FH-2. The Host Agency may choose to modify the supporting reports to remove (or add) information.

Facility Operator - The Facility Operator will generate four reports.

The first two reports, FO-1 and FO-2 are nearly identical in format to FH-1 and FH-2 above. Both reports use the FILE_DATE and FILE_TIME of the corresponding FNRX/FRXN files, to determine those files in the settlement period. This will ensure that they will match the FH-1 and FH-2 reports generated by the Host which uses the acknowledgement date of the corresponding INRX/IRXN files. Note that the definition of the FILE_DATE and FILE_TIME in the FNRX/FRXN file is NOT the same as the definition of those fields in the INRX/IRXN file.

The third report, FO-3, is nearly identical in format to IAG-2N. FO-3 provides supporting details for one row of the FO-1 report. The Facility Operator generates one FO-3 report for each row in the FO-1 report. Again, the date used to generate FO-3 is within the FNRX file while IAG-2N uses an acknowledge date.

The fourth report, FO-4, is nearly identical in format to IAG-3N. FO-4 provides supporting details for one row of the FO-2 report. The Facility Operator generates one FO-4 report for each row in the FO-2 report. Again, the date used to generate FO-4 is within the FRXN file while IAG-3N uses an acknowledge date.

4.0 General File Requirements

1. All files (except for the Acknowledgement File) shall be compressed (ZIPed) using a standard Lempel-Zif compression algorithm which should yield a compression rate of at least 75% (meaning a file will be reduced so that it is only 25% of its original size).

2. When compressed, file names shall be converted from {FILE_NAME}.{FILE_TYPE} to {FILE_NAME}_{FILE_TYPE}.ZIP and all files names shall be created using uppercase characters only. Therefore, when file “0008_19971201001015.FTAG” is compressed, the compressed file shall be named “0008_19971201001015_FTAG.ZIP”.

5.0 FO Tag Status File

5.1 File Type

Variable length, LF delimited

5.2 File Name

{HOST_AGENCY_ID}_YYYYMMDDHHMMSS.FTAG

Example: 0008_20011201001015.FTAG
Tag status file created by NY CSC on 00:10:15 on 12/01/2001

5.3 File Use

The FO Tag Status File shall be created by the Host Agency/CSC to inform the Facility Operator as to the valid tags for that Facility. This file contains tags from the entire E-ZPass region. An FO Tag Status File is created each day for each Facility Operator serviced by the Host. The file will contain only valid tags per Reciprocity II. The file contains a provision to inform the Facility Operator as to certain discounts or non-revenue status associated with each tag.

5.4 File Layout

FO Tag Status File – Header Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	FTAG
HOST_AGENCY_ID	CHAR(4)	Standard agency ID code of the Host Agency/CSC (See IAG inter-CSC file spec.)
FILE_DATE	CHAR(8)	Date file created. Format: YYYYMMDD
FILE_TIME	CHAR(6)	Time file created: Format: HHMMSS
RECORD_COUNT	CHAR(10)	Count of all tags in file. Does not include header record. Values: 0000000000 – 9999999999
DELIMITER	CHAR(1)	LF
Header Total	**32**	

FO Tag Status File - Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
TAG_AGENCY_ID	CHAR(4)	Tag agency ID. Values: 0000 – 9999
TAG_SERIAL_NUMBER	CHAR(10)	Tag serial number. Values: 0000000001 – 9999999999
TAG_STATUS	CHAR(1)	1 – Valid
TAG_ACCT_INFO	CHAR(6)	A string of 24 bits (3 characters) converted to Hex-ASCII format (6 characters). This field is not defined by the IAG and may be defined by the Host/Facility operator.
DELIMITER	CHAR(1)	LF
Record Total	**22**	

5.5 Processing Requirements

1. The transmission of the file to the Facility Operator as stipulated in the Transmission Methodology section.

2. In the event that an invalid header record is encountered (e.g., character data in a numeric field, etc.), the Facility Operator should reject the file and notify the Host Agency/CSC via the Acknowledgement File.

3. In the event that a invalid detail record is encountered (e.g., inappropriate TAG_STATUS, etc.), the Facility Operator should skip that record and notify the Host Agency/CSC via the Acknowledgement File.

4. The Host Agency/CSC shall perform appropriate sanity checks on the Tag Status File prior to its transmission to the Facility Operator. Such sanity checks should include testing for unusual growth in the number of tags from previous version

5. The Facility Operator must be aware that the FO Tag Status File contains only valid tags. Therefore, each new file must replace the previous file. Any tag that is not in the file is to be considered invalid.

6. The Host CSC shall incorporate into the FO Tag Status File all tags received in the Inter-CSC Tag Status File (ITAG) that have a TAG_STATUS value of 1 (valid) or 2 (low balance) and that have Bit 1 or Bit 24 of the TAG_ACCOUNT_INFO field set to a value of 1. Any tag with a TAG_STATUS value of 2 shall have that value converted by the Host CSC to 1 for the FO Tag Status File.

6.0 FO Transaction File

6.1 File Type

Variable length, LF delimited

6.2 File Name

{FO _ID}_{HOST_AGENCY_ID}_YYYYMMDDHHMMSS.FNTX
Example: 0128_0004_20011201001015.FNTX
Albany transactions to NYSTA create on 00:10:15 on 12/01/2001

6.3 File Use

The FO Transaction file is created once each day and sent to the Host CSC. This file contains all transactions previously accepted by the Facility Operator but not yet processed by the Host. Transaction Files contain original transactions only (not corrections or re-submittals).

6.4 File Layout

FO Transaction File – Header Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	FNTX
FO_ID	CHAR(4)	Standard ID code of the Facility Operator (See IAG Inter-CSC File Spec)
HOST_AGENCY_ID	CHAR(4)	Standard agency ID code of the Host Agency (See IAG Inter-CSC file spec)
FILE_DATE	CHAR(8)	Date file created. Format: YYYYMMDD
FILE_TIME	CHAR(6)	Time file created. Format: HHMMSS
RECORD_COUNT	CHAR(8)	Count of transactions in the file. Does not include header record. Values: 00000000 – 99999999
FNTX_FILE_NUM	CHAR(6)	A unique sequential number used to identify the FO Transaction File to the Host Agency. Values 000001 – 999999.
DELIMITER	CHAR(1)	LF
Header Total	**41**	

FO Transaction File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
ETC_TRX_SERIAL_NUM	CHAR(12)	The unique key of a transaction assigned by the Facility Operator. Values: 000000000000 – 999999999999
ETC_REVENUE_DATE	CHAR(8)	The revenue date of the transaction as determined by the Facility Operator. Format: YYYYMMDD
ETC_FAC_AGENCY	CHAR(4)	A code indicating the **facility operator** at which the transaction occurred. See IAG Inter-CSC file spec
ETC_TRX_TYPE	CHAR(1)	This field is used to denote the type of transaction. Values: P - Parking Transaction
ETC_ENTRY_DATE	CHAR(8)	The date the vehicle entered the facility. Format: YYYYMMDD If not provided must be ********.
ETC_ENTRY_TIME	CHAR(6)	The time the vehicle entered the facility. Format: HHMMSS If not provided must be ******.

FO Transaction File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
ETC_ENTRY_PLAZA	CHAR(3)	The ETC_FAC_AGENCY plaza code of the plaza at which the vehicle entered the facility. If not provided must be ***. This contents of this field are left justified and padded with trailing blanks as needed. Refer to IAG Inter-CSC file spec for the list of valid values for this field.
ETC_ENTRY_LANE	CHAR(3)	The ETC_FAC_AGENCY lane code of the lane at which the vehicle entered the facility. This contents of this field are left justified and padded with trailing blanks as needed. If not provided must be ***.
ETC_TAG_AGENCY	CHAR(4)	Standard agency ID read from the tag. Values: 0000 – 9999
ETC_TAG_SERIAL_NUMBER	CHAR(10)	Tag serial number read from the tag. Values: 0000000001 – 9999999999
ETC_READ_PERFORMANCE	CHAR(2)	The total number of times the tag was read while in the capture zone. Obtained from the AVI reader. Values: 00 – 99 ** if data is unavailable This would be from the exit transaction.
ETC_WRITE_PERF	CHAR(2)	The total number of times the tag was written to while in the capture zone. Obtained from the AVI reader. Values: 00 – 99 ** if data is unavailable This would be from the exit transaction.
ETC_TAG_PGM_STATUS	CHAR(1)	The result of the AVI tag program cycle. Obtained from the AVI reader. Values: S – Success U – Unverified F – Failed * if data is unavailable This would be from the exit transaction. This field along when used in conjunction with ETC_READ_PERFORMANCE and ETC_WRITE_PERF would allow the Host Agency to gauge tag performance over time.
ETC_LANE_MODE	CHAR(1)	The mode the lane was operating in at the time of the transaction. Values: E – ETC Only (Dedicated) A – ETC/ACM M – Manned/ETC This would be from the exit transaction.
ETC_VALIDATION_STATUS	CHAR(1)	The tag status from the tag status file at the time of the transaction. Values: 1 – Good * - Used if the lane system does not report this value to its CSC. This would be from the exit transaction.
ETC_LIC_STATE	CHAR(2)	Unused. Must contain **.
ETC_LIC_NUMBER	CHAR(10)	Unused. Must contain **********.
ETC_CLASS_CHARGED	CHAR(3)	Unused. Must contain ***.
ETC_ACTUAL_AXLES	CHAR(2)	The number of axles associated with the vehicle. Values: 00 – 99 If not available, should default to the number of axles encoded on the tag.

FO Transaction File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
ETC_EXIT_SPEED	CHAR(3)	The speed in MPH of the vehicle as it exited the facility. If the Facility Operator cannot/does not measure speed, 000 should be used. Values: 000 – 999 This field would allow the Home Agency to gauge customer speed activity over time. It also can be used to offset low counts in the ETC_READ_PERFORMANCE and ETC_WRITE_PERF fields since vehicles traveling at higher speeds typically have lower performance figures.
ETC_OVER_SPEED	CHAR(1)	An indicator of whether or not the speed reported in ETC_EXIT_SPEED was over the allowable threshold for that plaza/lane. Values: Y – Speed is over threshold N – Speed is not over threshold
ETC_EXIT_DATE	CHAR(8)	The date the vehicle exited the facility. Format: YYYYMMDD
ETC_EXIT_TIME	CHAR(6)	The time the vehicle exited the facility. Format: HHMMSS
ETC_EXIT_PLAZA	CHAR(3)	The ETC_FAC_AGENCY plaza code of the plaza at which the vehicle exited the facility. This contents of this field are left justified and padded with trailing blanks as needed. Refer to IAG Inter-CSC file spec for the list of valid values for this field.
ETC_EXIT_LANE	CHAR(3)	The ETC_FAC_AGENCY lane code of the lane at which the vehicle exited the facility. This contents of this field are left justified and padded with trailing blanks as needed.
ETC_DEBIT_CREDIT	CHAR(1)	An indicator as to whether the amount reflected in ETC_AMOUNT_DUE is to be debited from the customer account or credited to the customer account. Values: Plus (+) – Debit from customer account Space ( ) – Debit from customer account Minus (-) – Credit to customer account
ETC_AMOUNT_DUE	CHAR(7)	The amount due as calculated by the Facility Operator. Values: 0000000 ($00000.00) – 9999999 ($99999.99)
DELIMITER	CHAR(1)	LF
Record Total	**116**	

6.5 Processing Requirements

1. The FO Transaction File is separated by the Host CSC into individual INTX files and sent to the appropriate Home CSC for processing. As such, the Host CSC should expect a corresponding INRX file from the Home CSC when all of the transactions in the INTX are processed. As they are received, the INRX files are translated into FNRX files and sent to the Facility Operator. The Host CSC must produce an FNRX file for ALL Home CSCs including those transactions posted to its own accounts.

2. It shall be the responsibility of the Facility Operator to ensure that the FO Transaction File does not contain two (or more) transactions for the same ETC_TAG_AGENCY/ ETC_TAG_SERIAL_NUMBER combination in the same ETC_EXIT_PLAZA within a five (5) minute period.

3. A credit transaction must have it own unique ETC_TRX_SERIAL_NUM but may share the same agency, plaza, lane and date/time information so that it may be accurately reflected on the customer account and statement. This duplication of agency, plaza, lane and date/time information should not be considered a duplicate as discussed in requirement #1. This field should NOT be used in lieu of the Correction File. Its primary use is to generate credit transactions in the same file as the original debit transaction.

4. Transactions originating at parking facilities will be sent with a value of ‘P’ in the ETC_TRX_TYPE field. Entry information (fields ETC_ENTRY_DATE, ETC_ENTRY_TIME, ETC_ENTRY_PLAZA and ETC_ENTRY_LANE) is optional for parking transactions in that it may be provided or may be filled with asterisks (*). Exit information (ETC_EXIT_DATE, ETC_EXIT_TIME, ETC_EXIT_PLAZA and

ETC_EXIT_LANE) must always be provided.

5. The combination of FO_ID and FNTX_FILE_NUM forms a unique sequential key which will be used by the receiving agency (the Home Agency) to verify that each FO Transaction File was received without any gaps.

   If the FNTX_FILE_NUM of the current FO Transaction File does not equal the prior FNTX_FILE_NUM received from that Facility Operator plus one (1), the Acknowledgement File shall contain a RETURN_CODE of '04' to signify that a gap in sequence numbers was found. However, the current FO Transaction File should still be processed.

   If the FNTX_FILE_NUM of the current FO Transaction File is equal to the FNTX_FILE_NUM of a previous FO Transaction File, the Acknowledgement File shall contain the appropriate RETURN_CODE and the current FO Transaction File should not be processed.

6. Transactions shall be routed to a Home Agency/CSC based on the data contained in CSC/Agency Cross Reference found in the IAG Inter-CSC file spec.

7. Each FO Transaction File shall only contain transactions from a single Facility Operator (based on the ETC_FAC_AGENCY code in the detail transactions).

7.0 FO Distribution File

7.1 File Type

Variable length, LF delimited

7.2 File Name

{HOST_AGENCY_ID}_{FO_ID}_YYYYMMDDHHMMSS.FNDX

Example: 0004_0128_20011201041015.FNDX
NYSTA distribution data to Albany created on 04:10:15 on 12/01/2001

7.3 File Use

For every FO Transaction or FO Correction File received, the Host CSC shall return an FO Distribution File back to the Facility Operator summarizing the transactions in the FO Transaction/Correction File. The file header contains the file number from the corresponding FO Transaction/Correction File as well as an indicator as to the file type (Transaction vs. Correction). There are *n* records, one record for each Home Agency/CSC represented in the FO Transaction/Correction File. The Distribution File provides the Facility Operator with assurance that the transactions in the corresponding Transaction/Correction File have been bundled into the appropriate **INTX/ITXN** file and sent to that Agency/CSC (including the Host) for posting.

7.4 File Layout

FO Distribution File – Header Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	FNDX
HOST_AGENCY_ID	CHAR(4)	Standard agency ID code of the Host Agency (See IAG Inter-CSC file spec)
FO_ID	CHAR(4)	Standard agency ID code of the Facility Operator (See IAG Inter-CSC file spec)
FILE_DATE	CHAR(8)	Date file created. Format: YYYYMMDD
FILE_TIME	CHAR(6)	Time file created. Format: HHMMSS
RECORD_COUNT	CHAR(8)	Count of transactions in the file. Does not include header record. Values: 00000000 – 99999999
DIST_TYPE	CHAR(4)	Indicates the type of file to which this distribution file applies. Values: FNTX - Transaction File Distribution FTNX - Correction File Distribution
TX_FILE_NUM	CHAR(6)	The file number of the FNTX/FTXN file to which this FNDX file is associated. Values: 000001 – 999999.
DELIMITER	CHAR(1)	LF
Header Total	**45**	

FO Distribution File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
DIS_HOME_AGENCY_ID	CHAR(4)	Standard agency ID code of the Home Agency/CSC to which a set of transactions were sent in an INTX file.
DIS_TX_NUM	CHAR(12)	The INTX/ITXN file number in which the transactions were sent.
DIS_NUM_TRANS	CHAR(8)	The number of transactions sent in the associated INTX/ITXN file.
DIS_AMOUNT	CHAR(12)	The total dollar value for the transactions sent in the associated INTX /ITXN file. Values: 000000000000 ($0000000000.00) – 999999999999 ($9,999,999,999.99)
DELIMITER	CHAR(1)	LF
Record Total	**37**	

7.5 Processing Requirements

1. The Distribution file provides the one-to-many link between FO Transaction/Correction Files (FNTX/FTXN) and FO Transaction/Correction Reconciliation files (FNRX/FRXN).

8.0 FO Transaction Reconciliation File

8.1 File Type

Variable length, LF delimited

8.2 File Name

{HOME_AGENCY_ID}_{FO_ID}_YYYYMMDDHHMMSS.FNRX

Example: 0022_0128_20011201041015.FNRX
Consortium reconciliation data to Albany. The date and time represents when the corresponding INRX file was acknowledged by the Host (NYSTA) to the Home (Regional Consortium) (on 04:10:15 on 12/01/2001).

8.3 File Use

The Host CSC will generate *n* FO Transaction Reconciliation Files for each FO Transaction File, one file for each Home Agency/CSC represented in the FO Transaction File (including the Host). These files correspond one for one to the **INRX** reconciliation files received from each Home Agency/CSC in response to an **INTX** file. The file header contains the corresponding **INTX** file number and there is one detailed record for each transaction reconciled. Per IAG rules, an **INRX** file will not be generated until all transactions in the corresponding **INTX** file have been fully processed. The FO Distribution File provides the link to the original FO Transaction File.

8.4 File Layout

FO Transaction Reconciliation File – Header Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	FNRX
HOME_AGENCY_ID	CHAR(4)	Standard agency ID code of the Home Agency/CSC (See IAG Inter-CSC file spec)
FO_ID	CHAR(4)	Standard agency ID code of the Facility Operator (See IAG Inter-CSC file spec.
FILE_DATE	CHAR(8)	Date the corresponding INRX file was acknowledged. Format: YYYYMMDD
FILE_TIME	CHAR(6)	Time the corresponding INRX file was acknowledged. Format: HHMMSS
RECORD_COUNT	CHAR(8)	Count of transactions in the file. Does not include header record. Values: 00000000 – 99999999
INTX_FILE_NUM	CHAR(12)	The file number of the INTX file to which this FNRX file is associated. Values: 000000000001 – 999999999999.
DELIMITER	CHAR(1)	LF
Header Total	**47**	

FO Transaction Reconciliation File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
ETC_TRX_SERIAL_NUM	CHAR(12)	The unique key of the transaction assigned by the Facility Operator. Values: 000000000000 – 999999999999
ETC_POST_STATUS	CHAR(4)	The result of the Home Agency's/CSC's attempt to post the transaction. Values: PSNT - Non-Toll transaction posted successfully. DECL - Credit card declined. Only used for transactions passed directly through to the credit card. NOCC - Rejected, attempt was made to post the transaction to an account that is no longer a credit card account. RJIN - Rejected, the account had insufficient funds to post the transaction. Used for non-credit card based accounts. RJCX - Rejected, the transaction is an attempt to correct a transaction which has already been corrected.

FO Transaction Reconciliation File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
		RINV - Rejected, the transaction contains invalid data (e.g., invalid agency as defined in IAG Inter-CSC file spec Appendix A, invalid plaza as defined in Appendix B, invalid class as defined in Appendix C, etc.) TAGB – Rejected, tag in bad status (e.g., lost, stolen, etc.) where transaction date/time (ETC_EXIT_DATE/ ETC_EXIT_TIME) is greater than date/time of acknowledgement from that Away Agency/CSC of receipt of full Tag Status File which indicated that the tag was in a Lost/Stolen status. ACCC - Rejected, account was in a closed status at the time the post was attempted. This code is used regardless of the status of the account at the time of the transaction. OLD3 - Rejected, old transaction – The difference between the date of the transaction and the date the transaction was received by the Home Agency/CSC exceeded that specified in the Non-Toll Reciprocity Agreement. RJDP - Rejected, duplicate transaction. Usually associated with a skip read or cross lane read where a tagged transaction and license plate transaction exist for the same customer at the same plaza within five (5) minutes. The license plate transaction is rejected as the duplicate.
ETC_POST_PLAN	CHAR(5)	The Facility Operator discount plan used when the transaction was posted. This is only applicable when the Home Agency/CSC offers the Facility Operator discount plans to its customers. Values: 00002 - PANYNJ Non-Revenue If no discount plan is used, this field shall be blank.
ETC_DEBIT_CREDIT	CHAR(1)	An indicator as to whether the amount reflected in ETC_OWED_AMOUNT is to be applied to the amount owed to the Facility Operator or removed from that amount. Values: Plus (+) – Apply to amount owed Space ( ) – Apply to amount owed Minus (-) – Remove from amount owed
ETC_OWED_AMOUNT	CHAR(7)	The amount owed to the Facility Operator. For rejected transactions, this would be 0000000. Values: 0000000 ($00000.00) – 9999999 ($99999.99)
DELIMITER	CHAR(1)	LF
Record Total	**30**	

8.5 Processing Requirements

1. The Host CSC is to send FNRX files to the Facility Operator as INRX files are received from other CSCs or produced internally when transactions are posted to Host accounts. (See FO transaction File processing requirement #1).

2. An ETC_POST_STATUS of RJIN should normally not be used since the definition of E-ZPass Plus is that the accounts be credit card backed. Therefore, if an account no longer has a credit card associated with it, the ETC_POST_STATUS of NOCC should be used. However, the code of RJIN was added to allow for the case whereby a Home Agency/CSC wanted to utilize a business rule that allowed transactions valued at < $20.00 to post against an account even if the credit card was no longer associated with said account. In such cases, if the account had insufficient funds to allow the non-toll transaction to post, an ETC_POST_STATUS of RJIN would be returned.

3. Transactions with an ETC_POST_STATUS of DECL or NOCC should be placed in a holding queue by the Facility Operator for potential resubmission via the FO Correction File. See Section 9.5 for additional details.

9.0 FO Correction File

9.1 File Type

Variable length, LF delimited

9.2 File Name

{FO_ID}_{HOST_AGENCY_ID}_YYYYMMDDHHMMSS.FTXN

Example: 0128_0004_20011201001015.FTXN
Albany transactions to NYSTA create on 00:10:15 on 12/01/2001

9.3 File Use

The Facility Operator uses the FO Correction File to resubmit rejected, declined or incorrect transactions*. Original transactions may be resubmitted only once and only if the most recent FO Tag Status file indicates that the corresponding tag is valid. The transactions included in a correction file may be from any Home Agency and from any time (within the processing time limits). FO Correction Files may not be sent more frequently than once per week.

* Note: While the FO Correction File is used to make adjustments initiated by the Facility Operator, there is no corresponding file to make adjustments initiated by the Host (i.e. reversals and disputes). These adjustments are made at the CSC and the information is related to the Facility Operator via the Host Reports.

9.4 File Layout

FO Correction File – Header Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	FTXN
FO_ID	CHAR(4)	Standard agency ID code of the Facility Operator (See IAG Inter-CSC file spec.)
HOST_AGENCY_ID	CHAR(4)	Standard agency ID code of the Host Agency (See IAG Inter-CSC file spec)
FILE_DATE	CHAR(8)	Date file created. Format: YYYYMMDD
FILE_TIME	CHAR(6)	Time file created. Format: HHMMSS
RECORD_COUNT	CHAR(8)	Count of transactions in the file. Does not include header record. Values: 00000000 – 99999999
FTXN_FILE_NUM	CHAR(6)	A unique sequential number used to identify the FO Correction File to the Host Agency. Values 000001 – 999999.
DELIMITER	CHAR(1)	LF
Header Total	**41**	

FO Correction File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
CORR_REASON	CHAR(2)	A code denoting the reason for the correction. Values: 03 – Ignore tagged transaction 04 – Corrected plaza/lane information 05 – Corrected amount 06 - Repost attempt requested
All other fields from the FO Transaction File	CHAR(116)	All fields from the original transaction (refer to FO Transaction File structure for details) will be retransmitted with the appropriate fields corrected to their required values.
Record Total	**118**	

9.5 Processing Requirements

1. The combination of FO_ID and FTXN_FILE_NUM forms a unique sequential key which will be used by the receiving agency (the Host Agency) to verify that each FO Correction File was received without any gaps.

If the FTXN_FILE_NUM of the current Correction File does not equal the prior FTXN_FILE_NUM received from that FO_ID plus one (1), the Acknowledgement File shall contain a RETURN_CODE of '04' to signify that a gap in sequence numbers was found. However, the current FO Correction File should still be processed.

If the FTXN_FILE_NUM of the current FO Correction File is equal to the FTXN_FILE_NUM of a previous FO Correction File, the Acknowledgement File shall contain the appropriate RETURN_CODE and the current FO Correction File should not be processed.

2. Transactions can only be sent in a Correction File once. Subsequent corrections to the same transaction, if required, must be handled manually.

3. The FO Correction File is separated by the Host CSC into individual ITXN files and sent to the appropriate Home CSC for processing. As such, the Host CSC should expect a corresponding IRXN file from the Home CSC when all of the transactions in the ITXN are processed. As they are received, the IRXN files are translated into FRXN files and sent to the Facility Operator. The Host CSC must produce an FRXN file for ALL Home CSCs including those corrections posted to its own accounts.

4. This file can only contain transactions that have been previously submitted via an FO Transaction File. If the Host CSC detects transactions in this file for which a transaction was not previously received in an FO Transaction File, the Host CSC shall reject the entire FO Correction File with a RETURN_CODE of '02' in the corresponding Acknowledgement File.

5. As indicated in Section 8.5, the Facility Operator should maintain a holding queue of transactions reconciled with an ETC_POST_STATUS of DECL or NOCC. On a daily basis, the Facility Operator system should check the incoming FO Tag Status File to see if tags associated with transactions in the holding queue are present in the FO Tag Status File. If such a match is found, it means that the account associated with the tag is again valid for non-tolls and the Facility Operator may resubmit the associated transaction to the Host CSC via the FO Correction File with a CORR_REASON value of '06'.

   Note that transactions can only remain in the holding queue until the transaction date has exceeded the timeframe allowed for resubmissions as defined in the Non-Toll Reciprocity Agreement. Once that timeframe has been exceeded, such transactions cannot be resubmitted and must be removed from the holding queue. The Facility Operator may manually request from the Home CSC the name and address associated with the given tag so that the Facility Operator may pursue payment of the required non-toll fee.

10.0 FO Correction Reconciliation File

10.1 File Type

Variable length, LF delimited

10.2 File Name

{HOME_AGENCY_ID}_{FO_AGENCY_ID}_YYYYMMDDHHMMSS.FRXN

Example: 0022_0128_20011201041015.FRXN
Regional Consortium reconciliation to Albany. The date and time represents when the corresponding IRXN file was acknowledged by the Host (NYSTA) to the Home (Regional Consortium) (on 04:10:15 on 12/01/2001).

10.3 File Use

The Host CSC will generate *n* FO Correction Reconciliation Files for each FO Correction File, one file for each Home Agency/CSC represented in the FO Correction File (including the Host). These files correspond one for one to the **IRXN** reconciliation files received from each Home Agency/CSC in response to an **ITXN** file. The file header contains the corresponding **ITXN** file number and there is one detailed record for each transaction reconciled. Per IAG rules, an **IRXN** file will not be generated until all transactions in the corresponding **ITXN** file have been fully processed. The FO Distribution File provides the link to the original FO Correction File.

10.4 File Layout

FO Correction Reconciliation File – Header Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	FRXN
HOME_AGENCY_ID	CHAR(4)	Standard agency ID code of the Home Agency (See IAG Inter-CSC file spec.)
FO_ID	CHAR(4)	Standard agency ID code of the Facility Operator (See IAG Inter-CSC file spec.)
FILE_DATE	CHAR(8)	Date the corresponding IRXN file was acknowledged. Format: YYYYMMDD
FILE_TIME	CHAR(6)	Time the corresponding IRXN file was acknowledged. Format: HHMMSS
RECORD_COUNT	CHAR(8)	Count of transactions in the file. Does not include header record. Values: 00000000 – 99999999
ITXN_FILE_NUM	CHAR(12)	The file number of the ITXN file to which this FRXN file is associated. Values: 000000000001 – 999999999999.
DELIMITER	CHAR(1)	LF
Header Total	**47**	

FO Correction Reconciliation File – Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
Same fields as the FO Transaction Reconciliation File	CHAR(30)	Same as the FO Transaction Reconciliation File.

10.5 Processing Requirements

1. The Host CSC is to send FRXN files to the Facility Operator as IRXN files are received from other CSCs or produced internally when transactions are posted to Host accounts. (See FO Correction File processing requirement #3).

2. An ETC_POST_STATUS of RJIN should normally not be used since the definition of E-ZPass Plus is that the accounts be credit card backed. Therefore, if an account no longer has a credit card associated with it, the ETC_POST_STATUS of NOCC should be used. However, the code of RJIN was added to allow for

the case whereby a Home Agency/CSC wanted to utilize a business rule that allowed transactions valued at < $20.00 to post against an account even if the credit card was no longer associated with said account. In such cases, if the account had insufficient funds to allow the non-toll transaction to post, an ETC_POST_STATUS of RJIN would be returned.

11.0 Acknowledgement File

11.1 File Type

Fixed length, LF delimited

11.2 File Name

{FROM_ID}_{FILE_NAME}_{FILE_TYPE}.ACK

Example: 0128_0004_20011201041015_FTAG.ACK
Acknowledgement file from Albany in response to the NYSTA tag status file created on 04:10:15 on 12/01/2001

11.3 File Use

The Acknowledgment File shall be created, by the entity receiving a file, to inform the entity which sent the original file that the file transmitted was received in its entirety. An Acknowledgement File shall be sent for each of the above referenced files.

11.4 File Layout

Acknowledgment File - Detail Structure		
Field Name	**Type/Size**	**Description/Valid Values**
FILE_TYPE	CHAR(4)	ACK
FROM_ID	CHAR(4)	Standard agency ID code of the entity which received the file referenced in ORIG_FILE_NAME_TYPE.
TO_ID	CHAR(4)	Standard agency ID code of the entity which sent the file referenced in ORIG_FILE_NAME_TYPE.
ORIG_FILE_NAME_TYPE	CHAR(50)	The name and type of the file being acknowledged as received from the To Agency. Format: FILE_NAME.FILE_TYPE where FILE_NAME is the name of the file being acknowledged and FILE_TYPE is the type of the file being acknowledged.
FILE_DATE	CHAR(8)	Date ACK file created. Format: YYYYMMDD This is to be used by the To Agency/CSC as the acknowledgement date.
FILE_TIME	CHAR(6)	Time ACK file created. Format: HHMMSS This is to be used by the To Agency/CSC as the acknowledgement time.
RETURN_CODE	CHAR(2)	A code indicating the status of the file being acknowledged. Values: 00 – File was successfully received and verified. 01 – Header record count does not match the number of detail records found in the file. 02 – Detail record(s) found with invalid data. 03 – Not Used. 04 – Transaction Reconciliation File (or Correction Reconciliation File) does not match corresponding Transaction File (or Correction File). 05 – Duplicate file sequence number. 06 – Gap in sequence number. 07 - Invalid ZIP file or other file structure defect Refer to Appendix C for the processing rules associated with the various RETURN_CODE values.
DELIMITER	CHAR(1)	LF
Detail Total	**79**	

11.5 Processing Requirements

1. This file shall contain a single record only. For each file received by the From Agency/Facility Operator, the From Agency/Facility Operator shall generate an Acknowledgement File and transmit the file back to the To Agency/Facility Operator.

2. The FILE_DATE and FILE_TIME fields shall be used by the To Agency/Facility Operator as the acknowledgement date/time of the transmitted file. The To Agency/Facility Operator shall be able to support an optional ‘grace period’ (for each From Agency/Facility Operator) which the To Agency/Facility Operator shall add to the FILE_DATE and FILE_TIME to use as the acknowledgement date/time.

3. The From Agency/Facility Operator should generate a report showing any detail records that were skipped due to invalid data (RETURN_CODE = ‘02’) and should have this report available for the To Agency/Facility Operator if needed.

12.0 Transmission Methodology

1. The files shall be transmitted on a nightly basis.
2. Transmission shall be via SFTP (aka SSH File Transfer Protocol).
3. Files will be initially transmitted using a temporary file name. Upon successful completion of each file's transmission, the sending entity shall rename the file to its required file name. The receiving entity shall wait until it detects the presence of the required file names to begin processing the file. For example, the Tag Status File is transmitted using file name 0004_19971201041015_FTAG.ZIP.temp and, upon successful transmission, is renamed to 0004_19971201041015_FTAG.ZIP.

   Receiving entities shall ensure that permissions are set properly on SFTP servers to allow file renaming to be done by the sending entity.

   This will eliminate the situation where a receiving entity begins processing a file before its transmission was complete.

13.0 Modification History

Changes from FO 1.51e to FO 1.60.00 (11/10/2022)

1. Changed all instances of Agency ID from 3 to 4 characters.
2. Changed all instanced of Tag Serial Number from 8 to 10 characters.
3. Changed all instanced of INTX/ITXN file numbers from 6 to 12 characters.
4. Removed individual record counts by status from the FTAG Header Record (Section 5.4) and increased the total record count from 8 to 10 digits.
5. Modified requirement #2 of Section 12.0, Transmission Methodology, to require SFTP for file transmissions.
6. Modified requirement #3 of Section 12.0, Transmission Methodology, to remove CHECK file requirement and, instead, use ".temp" file naming convention.

Changes from FO 1.51d to FO 1.51e (06/19/2014)

1. Added Processing Requirement #6 to Section 5.5 of the FO Tag Status File clarifying the tag status values that should be included by the Host CSC into the FO Tag Status File.
2. Added Processing Requirement #3 to Section 8.5 of the FO Transaction Reconciliation File clarifying what the Facility Operator should do with transactions reconciled with ETC_POST_STATUS values of DECL or NOCC.
3. Added Processing Requirement #5 to Section 9.5 of the FO Correction File clarifying the process used by a Facility Operator to resubmit transactions reconciled with ETC_POST_STATUS values of DECL or NOCC.

Changes from FO 1.51c to FO 1.51d (07/31/2006)

1. Added Processing Requirement #2 to the FO Transaction Reconciliation File clarifying the purpose of the RJIN code.
2. Corrected File Naming convention of the FO Correction Reconciliation File to be "Home" agency and not "Host" agency. Made corresponding correction to Header Structure File Layout definition.
3. Added Processing Requirement #2 to the FO Correction Reconciliation File clarifying the purpose of the RJIN code

Changes from FO 1.51b to FO 1.51c (03/08/2002)

1. Corrected the record length for the FO Distribution File detail record (Section 7.4).
2. Corrected the record length for the FO Transaction Reconciliation File detail record (Section 8.4).
3. Added Processing Requirement #4 to the FO Correction File (Section 9.5) to indicate that the file can only contain records for transactions previously submitted via an FO Transaction File.
4. Corrected the FO Correction Reconciliation File header record (Section 10.4) field FTXN_FILE_NUM to be ITXN_FILE_NUM as described in the text (Section 10.3)
5. Corrected the record length for the FO Correction Reconciliation File detail record (Section 10.4).
6. Updated the list of RETURN_CODE values in the Acknowledgement File (Section 11.4) to coordinate with the IAG specs. Added Appendix C to described the processing rules for the various RETURN_CODE values.

Changes from FO 1.51a to FO 1.51b (12/10/2001)

1. Updated the Reporting Requirements (Section 3.0) to provide for a more comprehensive collection of settlement reports for Transactions and Corrections.
2. Modified the FO Distribution File so that it could be used for both Transaction and Correction Files.
3. Added Processing Requirement #3 to the FO Correction File to indicate that it should be split into various corrections files when transmitted to the various Home Agencies.

4. Changed the definition of the date and time fields in the FO Correction Reconciliation File to indicate the ack date of the corresponding IAG IRXN file. This ensures that settlement reports generated by the Facility Operator will tie to the IAG-3 reports for the same time period.
5. Added Processing Requirement #1 to the FO Correction File to indicate that reconciliation files should be sent to the FO as they are received from the Home Agencies.
6. Added RETURN_CODE value of '06' to the Acknowledgement File in keeping with the changes in other IAG specifications.
7. Updated Appendix A to reflect the new reporting requirements.
8. Updated Appendix B to reflect the new reporting requirements.

Changes from 1.51F to FO 1.51a (08/09/2001)

1. Changed the document version naming convention from 1.51F to FO 1.51. This version becomes version FO 1.51a
2. Changed the definition of the date and time fields in the FO Transaction Reconciliation File to indicate the ack date of the corresponding IAG-INRX file. This ensures that settlement reports generated by the Facility Operator will tie to the IAG-2 reports for the same time period.
3. Modified the list of ETC_POST_STATUS code values of the FO Transaction Reconciliation File to match CSC 1.51a.
4. Added a value of '6' to the RETURN_CODE field of the Acknowledgement File to match CSC 1.51a.
5. Renamed the report generated by the Host (formally FO-1) to FH-1 (Facility Host). Adopted the naming convention of FO for those reports generated by the Facility Operator.
6. Added to the appendix, three reports required of the facility operator, FO-1 and FO-2 and FO-3. These reports are discussed in section 3.0.
7. Clarifications and typo corrections

Changes from 1.50F to 1.51F (01/07/2001)

1. No changes. Version number changed for consistency with IAG file spec.

Changes from 1.40 to 1.50F (10/23/2000)

1. Removed the transaction processing requirement from section 2.0 that required the conversion of a "credit card" account to a "cash" account if a direct credit card charge was declined. This is method of handling accounts is considered to be CSC specific and not an IAG issue.

2. Redefined the TAG_ACCT_INFO field in the FO Tag Status File as a free field for use by the Host and Facility Operator.

3. Added reconciliation codes RJIN and RJCK to the FO Transaction Reconciliation File.

4. Added the columns Trans Fee and Srvc Fee to the Facility Operator Period Summary Report shown in Appendix A. Inclusion of these columns is left to the discretion of the Host agency. Added text to describe the report.

5. Removed Appendix A (Agency Codes); Appendix B (Plaza Codes) and Appendix D (Transaction Flow) as this same information is in the IAG Inter-CSC file spec. The Facility Operator Period Summary Report is now Appendix A.

6. Corrected various typos and used *n* as opposed to N to represent a variable.

A. Host Reports

Report FH-1

Ver 1.60.00

Facility Operator Period Transaction Summary Report
INRX Files Acknowledged in:
Settlement Period: 01/01/2001 to 01/31/2001

Report Date: 02/05/2001 15:32
Generated by Host Agency: New York State Thruway Authority
Non-Toll Transaction payments due to Facility Operator: Albany Airport

Agency Name	Agency Code	Total Trans	Trans Fee	PSNT Count	PSNT AMT	Srvc Fee	DECL Count	DECL AMT	NOCC Count	NOCC AMT	Reject Count	Reject AMT
Regional Consortium	0022	1207		1194	35503.10		3	170.00	3	30.00	7	131.50
New York State Thruway Authority	0004	4057		4049	89100.00		2	40.00	1	10.00	5	136.00
◆												
◆												
◆												
Port Authority of New York and New Jersey	0005	850		846	21970.00		5	200.00	3	21.00	1	45.00
Total		6114		6089	146573.10		10	410.00	7	61.00	13	312.50

This report ties directly to IAG-2N (Reconciliation Report) with the exception of the Trans Fee (Transaction Fee) and Srvc Fee (Service Fee) columns which represent the fee charged to the Facility Operator by the Host and are not necessarily the same as those reflected in IAG-2N. The inclusion of the Trans Fee and Srvc Fee columns is optional in this report.

Facility Operator Period Correction Summary Report
IRXN Files Acknowledged in:
Settlement Period: 01/01/1999 to 01/31/1999

Report Date: 02/05/1999 15:32
Generated by Host Agency: New York State Thruway Authority
Non-Toll Correction payments due to Facility Operator: Albany Airport

Agency	Agency Code	Total Count	PSNT			Final Reject Count	Final Reject AMT
			ORG	NEW	NET		
Regional Consortium	0022	5	24.00	35.00	11.00	0	0.00
New York State Thruway Authority	0004	4	10.00	8.00	(2.00)	1	3.00
◆	◆	◆	◆	◆	◆	◆	◆
◆	◆	◆	◆	◆	◆	◆	◆
◆	◆	◆	◆	◆	◆	◆	◆
Port Authority of NY/NJ	0005	###,###	###,###.##	###,###.##	###,###.##	###,###	###,###.##
Settlement Total		109			159.00	1	3.00

This report ties directly to IAG-3N (Correction Reconciliation Report).

B. Facility Operator Reports

Report FO-1

Ver 1.60.00

Facility Operator Period Transaction Summary Report
FNRX Files with corresponding INRX Acknowledged in:
Settlement Period: 01/01/2001 to 01/31/2001

Report Date: 02/05/2001 15:32
Generated by Facility Operator : Albany Airport
Non-Toll Transaction payments due to from Host: New York State Thruway Authority

Agency Name	Agency Code	Total Trans	Trans Fee	PSNT Count	PSNT AMT	Srvc Fee	DECL Count	DECL AMT	NOCC Count	NOCC AMT	Reject Count	Reject AMT
Regional Consortium	0022	1207		1194	35503.10		3	170.00	3	30.00	7	131.50
New York State Thruway Authority	0004	4057		4049	89100.00		2	40.00	1	10.00	5	136.00
◆	◆	◆		◆	◆		◆	◆	◆	◆	◆	◆
◆	◆	◆		◆	◆		◆	◆	◆	◆	◆	◆
◆	◆	◆		◆	◆		◆	◆	◆	◆	◆	◆
Port Authority of New York and New Jersey	0005	850		846	21970.00		5	200.00	3	21.00	1	45.00
Total		6114		6089	146573.10		10	410.00	7	61.00	13	312.50

Ver 1.60.00

Facility Operator Period Correction Summary Report
FRXN Files with corresponding IRXN Acknowledged in:
Settlement Period: 01/01/1999 to 01/31/1999

Report Date: 02/05/1999 15:32
Generated by Facility Operator: Albany Airport
Non-Toll Correction payments from Host Agency: New York State Thruway Authority

Agency	Agency Code	Total Count	PSNT			Final Reject Count	Final Reject AMT
			ORG	NEW	NET		
Regional Consortium	0022	5	24.00	35.00	11.00	0	0.00
New York State Thruway Authority	0004	4	10.00	8.00	(2.00)	1	3.00
◆	◆	◆	◆	◆	◆	◆	◆
◆	◆	◆	◆	◆	◆	◆	◆
◆	◆	◆	◆	◆	◆	◆	◆
Port Authority of NY/NJ	0005	###,###	###,###.##	###,###.##	###,###.##	###,###	###,###.##
Settlement Total		109			159.00	1	3.00

Facility Operator Transaction Reconciliation Detail Report
FNRX Files with corresponding INRX files acknowledged in:
Settlement Period: 01/01/1999 to 01/31/1999

Report Date: 02/05/1999 15:32
Generated by Facility Operator: Albany Airport
Non-Toll Transaction payments from Home Agency: Regional Consortium
Due to Host Agency: NYS Thruway Authority
For payment to Facility Operator - Albany Airport

FNRX_FILE	INRX ACK Date	Total Trans Count	Trans Fee	PSNT Count	PSNT AMT	SVC Fee @ 2.30%	DECL Count	DECL AMT	NOCC Count	NOCC AMT	Other Reject Count	Other Reject AMT
0022_0128_19990102010901.FNRX	1/3/99	31		29	1,086.00						2	48.00
0022_0128_19990105012448.FNRX	1/7/99	56		55	557.20						1	45.00
0022_0128_19990106011057.FNRX	1/8/99	75		75	662.30							
0022_0128_19990106011458.FNRX	1/8/99	07		07	425.80							
0022_0128_19990107022140.FNRX	1/9/99	59		59	1,014.40							
0022_0128_19990107215531.FNRX	1/9/99	55		55	957.30							
0022_0128_19990109022225.FNRX	1/11/99	22		22	839.70							
0022_0128_19990110051614.FNRX	1/12/99	08		08	847.10							
0022_0128_19990110052141.FNRX	1/12/99	33		33	668.80							
0022_0128_19990110220253.FNRX	1/12/99	56		56	1,008.30							
0022_0128_19990111215735.FNRX	1/13/99	41		41	1,022.70							
0022_0128_19990112215445.FNRX	1/14/99	82		82	843.20							
0022_0128_19990114215618.FNRX	1/16/99	6		6	21.60							
0022_0128_19990114215902.FNRX	1/16/99	12		12	1,506.70							
0022_0128_19990114220222.FNRX	1/16/99	65		65	887.20							
0022_0128_19990115220013.FNRX	1/17/99	34		34	1,509.30							
0022_0128_19990116215041.FNRX	1/18/99	55		55	1,088.80							
0022_0128_19990118215434.FNRX	1/20/99	83		83	1,595.30							
0022_0128_19990120214231.FNRX	1/22/99	87		85	1,057.50				2	20.00		
0022_0128_19990123031220.FNRX	1/25/99	28		27	5,277.50		1	50.00				
0022_0128_19990123215019.FNRX	1/25/99	29		24	1,416.20		2	120.00			3	38.50
0022_0128_19990124215314.FNRX	1/26/99	90		90	1,692.50							
0022_0128_19990125215216.FNRX	1/27/99	06		04	1,273.40				1	10.00	1	0
0022_0128_19990128015547.FNRX	1/30/99	30		30	1,417.90							
0022_0128_19990129215839.FNRX	1/31/99	69		69	1,741.80							
0022_0128_19990129220005.FNRX	1/31/99	29		29	1,507.60							
0022_0128_19990130215427.FNRX	1/31/99	58		58	1,756.30							
0022_0128_19990131215514.FNRX	1/31/99	01		01	1,820.70							
Settlement Total		1207		1194	35,503.10		3	170.00	3	30.00	7	131.50

Report FO-4

Ver 1.60.00

Facility Operator Correction Reconciliation Report
FRXN Files with corresponding IRXN files acknowledged in:
Settlement Period: 01/01/1999 to 01/31/1999

Report Date: 02/05/1999 15:32
Generated by Facility Operator: Albany Airport
Non-Toll Correction payments from Home Agency: Regional Consortium
Due to Host Agency: New York State Thruway Authority
For payment to Facility Operator: Albany Airport

	IRXN ACK Date	Total Count	PSNT			Final Reject Count	Final Reject AMT
			ORG	NEW	NET		
FRXN_FILE							
0022_0128_19990102010901.FRXN	01/02/1999	5	24.00	35.00	11.00	0	0.00
0022_0128_19990105012448.FRXN	01/05/1999	4	10.00	8.00	(2.00)	1	3.00
0022_0128_19990106011057.FRXN	01/06/1999	100	825.00	975.00	150.00	0	0.00
Settlement Total		109			159.00	1	3.00

C. Acknowledgement File Return Codes

	Acknowledgement File Return Codes							
	00	**01**	**02**	**03**	**04**	**05**	**06**	**07**
	Successfully Received and Verified	**Header/Detail Count Discrepancy**	**Invalid Detail Records Found**	**n/a**	**Recon File does not match the transaction file**	**Duplicate File Sequence Number**	**Gap in Sequence Number**	**Bad Zip File and Other Issue**
FNTX	Process	Do not process (2)(4)	Do not process (1)(2)(4)	n/a	n/a	Do not process (2)(4)	Process (6)	Do not process (2)(4)
FTXN	Process	Do not process (2)(4)	Do not process (1)(2)(4)	n/a	n/a	Do not process (2)(4)	Process (6)	Do not process (2)(4)
FNDX	Process	Do not process (2)(4)	Do not process (1)(2)(4)	n/a	Do not process (2)(4)	Do not process (2)(4)	n/a	Do not process (2)(4)
FNRX	Process	Do not process (2)(4)(5)	Do not process (1)(2)(4)(5)	n/a	Do not process (2)(4)(5)	Do not process (2)(4)(5)	n/a	Do not process (2)(4)(5)
FRXN	Process	Do not process (2)(4)(5)	Do not process (1)(2)(4)(5)	n/a	Do not process (2)(4)(5)	Do not process (2)(4)(5)	n/a	Do not process (2)(4)(5)
FTAG	Process	Do not process (3)(6)	Do not process (1)(3)(6)	n/a	n/a	n/a	n/a	Do not process (2)(4)

Notes:

(1) Receiving Agency/CSC needs to indicate at least the first invalid record in a report which can be made available to the Originating Agency/CSC

(2) Originating Agency should rename new file (including Header) to be unique

(3) Receiving Agency/CSC should utilize the previous valid file. Originating/Receiving Agency/CSC should escalate after x days.

(4) Originating Agency/CSC should investigate, repair file as needed and resend

(5) File should not be included on any settlement reports

(6) Originating Agency/CSC should investigate