## DOCUMENT HISTORY

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Version</th>
<th>Revision Description</th>
</tr>
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<tbody>
<tr>
<td>3/15-20/2023</td>
<td></td>
<td>Created. Reviewed internally w/DH and GH.</td>
</tr>
<tr>
<td>5/1/2023</td>
<td>1.00</td>
<td>Removed “DRAFT FOR REVIEW” and made FINAL with approval from the National Interoperability group at IBTTA Tech Summit in Indianapolis, IN.</td>
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1 General Reporting Requirements

This appendix contains the NIOP reporting requirements as supported by the NIOP Business Rules.

When reports are shared between hubs, the date and time shall be in UTC format.

1.1 NIOP Transaction Reconciliation Summary Report

The Transaction Reconciliation Summary Report for each NIOP Hub, between Hubs, shall contain the following fields, at a minimum:

1. Away Agency
2. Home Agency
3. Receiving Hub/Agency Submission Identifier
4. Receiving Hub/Agency Submission Sequence Number
5. Reconciliation Date/Time (2nd ACK)
6. Total TXNS/Resubmitted TXNS #
7. Accepted TXNS #
8. Accepted Amount $
9. Rejected TXNS #
10. Rejected Amount $
11. Total Reconciliation TXNS Amount $
12. Fixed Fee $
13. % Fee $
14. Total Adjustments/Resubmitted Adjustments TXNS #
15. Accepted Adjustments TXNS #
16. Accepted Adjustments Amount $
17. Rejected Adjustments TXNS #
18. Rejected Adjustments Amount $
19. Total Reconciliation Adjustments TXNS Amount $
20. Adjustments Fixed Fee $
21. Adjustments % Fee $
22. Total Fees $
23. Net Payable $
24. Report Totals – not required on the Excel or CSV versions

For reconciliation purposes between hubs, the Reconciliation Date (2nd ACK Date) in UTC shall be used.

Although the list above contains the minimum set of columns, the samples below contain additional fields.

Please refer to the NIOP ICD for specific field definitions.
The required fields are highlighted in green in the embedded csv sample.
1.2 NIOP Transaction Reconciliation Detail Report

The NIOP Transaction Reconciliation Detail report should provide a report of the transactions and their reconciliation that sums up to the NIOP Reconciliation Summary report.

This report is provided on demand to each Hub or Agency in CSV format. The detailed reconciliation and settlement report shall provide the user with the ability to select the Home Agency (or all), Away Agency and Facility (or all), and report period. The user may filter the report period to be by Transaction date, Reconciliation Date, or Transaction submission date.

The Transaction Reconciliation Summary Report for each NIOP Hub, between Hubs, shall contain the following fields, at a minimum:

1. Away Agency
2. Home Agency
3. Receiving Hub/Agency Submission Identifier
4. Reconciliation Date/Time (2nd ACK)
5. Transaction Reference ID
6. Record Type
7. Facility ID
8. Exit Plaza
9. Exit Lane
10. Exit Date/Time
11. NIOP Tag Agency ID
12. Tag Serial Number
13. License Plate Country
14. License Plate State
15. License Plate Number
16. License Plate Type
17. Guaranteed Flag?
18. Vehicle Class
19. Resubmit Count
20. Resubmit Reason
21. Adjustment Count
22. Adjustment Reason
23. Post Status
24. Toll Amount $
25. Accepted Amount $
26. Rejected Amount $
27. Fixed Fee $
28. % Fee $
29. Total Fees $
30. Net Payable $
31. Tag Status
32. Posted Date/Time
33. Report Totals – not required on the Excel or CSV version

For reconciliation purposes between hubs, the Reconciliation Date (2nd ACK Date) in UTC shall be used.
Although the list above contains the minimum set of columns, the samples below contain additional fields.

Please refer to the NIOP ICD for specific field definitions.

![NIOP Transaction Reconciliation Detail Report Sample – Part 1](image1.png)

![NIOP Transaction Reconciliation Detail Report Sample – Part 2](image2.png)

The required fields are highlighted in green in the embedded csv sample.
1.3 NIOP Disputed Toll Transaction Detail Report

The NIOP Disputed Toll Transaction Detail report should be provided to support the detail of disputed transactions and their adjustments. The information on this report is summed into the NIOP Transaction Reconciliation Summary and Detail and Toll and Fee Settlement reports when the transactions are adjusted.

The Disputed Toll Transaction Detail Report for each NIOP Hub, between Hubs, shall contain the following fields, at a minimum:

1. Transaction Reference ID
2. Record Type
3. Tag Agency ID
4. Tag Serial Number
5. License Plate Country
6. License Plate State
7. License Plate Number
8. Home Agency
9. Away Agency
10. Facility ID
11. Exit Plaza
12. Vehicle Class
13. Exit Date/Time
14. Dispute Date/Time
15. Dispute Reason
16. Dispute Status
17. Reject Reason
18. Dispute Resolution Date/Time
19. Adjustment Date/Time
20. Original Amount $
21. Adjustment $
22. New Amount $
23. No Adjustment Applied $

Although the list above contains the minimum set of columns, the samples below contain additional fields.

Please refer to the NIOP ICD for specific field definitions.
Figure 5: NIOP Disputed Toll Transaction Detail Report Sample

Note: Disputes that have not been resolved will be reported without adjustment information. This is a sample report. Additional fields may be added, as needed, by each Hub.

The required fields are highlighted in green in the embedded csv sample.

1.4 Settlement Statements

1.4.1 Toll Settlement

The Toll Settlement for each NIOP Hub, between Hubs, shall contain the following fields, at a minimum:

1. Away Agencies
2. Home Agencies
3. Generated by Hub
4. Period
5. Groupings by Home Agency and Away Agency that represent the Toll owed to the Away Agency
6. Accepted Transactions # - this may include the accepted resubmitted transaction quantity if another separate row is not listed
7. Accepted Transactions $ - this may include the accepted resubmitted transaction $ amount if another separate row is not listed
8. Accepted Adjustments # - this may include the accepted resubmitted adjustment quantity if another separate row is not listed
9. Accepted Adjustments $ - this may include the accepted resubmitted adjustment $ amount if another separate row is not listed
10. Totals for the Home Agency and Away Agency
11. Repeated section until every Home Agency and Away Agency is reported
12. Report Totals
For reconciliation purposes between hubs, the Reconciliation Date (2\textsuperscript{nd} ACK Date) in UTC shall be used.

Although the list above contains the minimum set of columns, the samples below contain additional fields.

Please refer to the NIOP ICD for specific field definitions.
Figure 6: NIOP Settlement Statement Sample – Tolls Example

NIOP Toll Settlement

Home Agencies:
Florida Turnpike Enterprise

Away Agencies:
Kansas Turnpike Authority
North Texas Tollway Authority
Oklahoma Turnpike Authority

Generated By: Central US Hub

Activity for the Period: 03/14/2023 to 03/14/2023

Florida Turnpike Enterprise Customers on Kansas Turnpike Authority Roads:

<table>
<thead>
<tr>
<th>Transaction Type</th>
<th>Quantity</th>
<th>Toll Transaction Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted Transactions</td>
<td>200</td>
<td>1,270.00</td>
</tr>
<tr>
<td>Accepted Resubmitted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Accepted Adjusted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Accepted Resubmitted Adjusted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Toll Amount Due</td>
<td></td>
<td>$1,270.00</td>
</tr>
</tbody>
</table>

Florida Turnpike Enterprise Customers on North Texas Tollway Authority Roads:

<table>
<thead>
<tr>
<th>Transaction Type</th>
<th>Quantity</th>
<th>Toll Transaction Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted Transactions</td>
<td>13,711</td>
<td>$1,161.50</td>
</tr>
<tr>
<td>Accepted Resubmitted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Accepted Adjusted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Accepted Resubmitted Adjusted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Toll Amount Due</td>
<td></td>
<td>$1,161.50</td>
</tr>
</tbody>
</table>

Florida Turnpike Enterprise Customers on Oklahoma Turnpike Authority Roads:

<table>
<thead>
<tr>
<th>Transaction Type</th>
<th>Quantity</th>
<th>Toll Transaction Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted Transactions</td>
<td>730</td>
<td>2,015.65</td>
</tr>
<tr>
<td>Accepted Resubmitted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Accepted Adjusted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Accepted Resubmitted Adjusted Transactions</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Toll Amount Due</td>
<td></td>
<td>$2,015.65</td>
</tr>
</tbody>
</table>

Total Toll Due: $64,451.15
Total Transactions: 14,647

The required fields are highlighted in green in the embedded csv sample.
1.4.2 Fee Settlement

The Fee Settlement for each NIOP Hub, between Hubs, shall contain the following fields, at a minimum:

1. Away Agencies
2. Home Agencies
3. Generated by Hub
4. Period
5. Groupings by Home Agency and Away Agency that represent the Fee owed to the Home Agency
6. Accepted Transactions Quantity
7. Accepted Transaction Toll Amount
8. Fixed Fee Amount
9. % Fee Amount
10. Total Fees Due the Home Agency
11. Repeated section until every Home Agency and Away Agency is reported
12. Report Total Fees Due

For reconciliation purposes between hubs, the Reconciliation Date (2\textsuperscript{nd} ACK Date) in UTC shall be used.

Although the list above contains the minimum set of columns, the samples below contain additional fields.

Please refer to the NIOP ICD for specific field definitions.
Figure 7: NIOP Settlement Statement Sample – Fees Example

NIOP Fee Settlement

Home Agencies:
Florida Turnpike Enterprise

Away Agencies:
Kansas Turnpike Authority
North Texas Tollway Authority
Oklahoma Turnpike Authority

Generated By: Central US Hub

Activity for the Period: 03/14/2023 to 03/14/2023

Florida Turnpike Enterprise Customers on North Texas Tollway Authority Roads:

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Toll Transaction Amount</th>
<th>Total Fees Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Fees:</td>
<td>13,711</td>
<td>61,191.50</td>
</tr>
<tr>
<td>Fee %:</td>
<td>13,711</td>
<td>61,191.50</td>
</tr>
<tr>
<td>Total Fees:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Florida Turnpike Enterprise Customers on Oklahoma Turnpike Authority Roads:

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Toll Transaction Amount</th>
<th>Total Fees Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Fees:</td>
<td>736</td>
<td>2,019.65</td>
</tr>
<tr>
<td>Fee %:</td>
<td>736</td>
<td>2,019.65</td>
</tr>
<tr>
<td>Total Fees:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Florida Turnpike Enterprise Customers on Kansas Turnpike Authority Roads:

<table>
<thead>
<tr>
<th>Transaction</th>
<th>Toll Transaction Amount</th>
<th>Total Fees Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Fees:</td>
<td>200</td>
<td>1,270.00</td>
</tr>
<tr>
<td>Fee %:</td>
<td>200</td>
<td>1,270.00</td>
</tr>
<tr>
<td>Total Fees:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Fees Due: $1,916.74

Total Transactions:
- Total Fixed Fee Transactions: 14,047
- Total Fee Percent Transactions: 14,047

The required fields are highlighted in green in the embedded csv sample.
1.5 Submission Performance Report

The Submission Performance report for each NIOP Hub, between Hubs, shall contain the following fields, at a minimum:

1. Hub Submission Receive Date/Time
2. From – Whom (which Hub) the Submission was from
3. Submission Identifier – the name of the Submission received
4. Record Count # - The number of records in the submission
5. Hub ACK Date/Time – the date and time the receiving Hub ACKed the submission
6. ACK Return Code – the ACK return code

If multiple ACKs are expected, a second row will report the 2nd ACK.

Although the list above contains the minimum set of columns, the samples below contain additional fields.

Every submission shall be reported (transactions, corrections, Tag Validation lists, License Plate Validation lists and reconciliations).
Figure 8: NIOP Submission Performance Report Sample – Part 1

Figure 9: NIOP Submission Performance Report Sample – Part 2