AvaTax for Communications

Comprehensive Guide to Reports and Data Files

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Avalara for Communications - Contact Information	
Address	**Avalara, Inc.** 512 South Mangum Street, Suite 100 Durham, North Carolina, 27701
Email	CommunicationSupport@avalara.com
Help Center	https://help.avalara.com/Avalara_for_Communications
Toll Free	(877) 780-4848
Corporate Web Site	http://communications.avalara.com/
Communications Customer Portal	https://communications.avalara.net

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Document Revision History

The Revision History log lists the date and description of the most recent revisions or versions of the document.

Date	Version	Description
08/25/2016	0005	Miscellaneous updates in **Sections 2.1.1**, **2.1.2**, **2.1.4** and **2.1.5** regarding report availability by product. Also updated column header within the **International NPANXX IDs** table in **Section 8 – Appendix D**.
09/26/2016	0006	Updated **Section 2.2.1 Detail Log Report** and **Section 2.4.5 Customsort Utility** to reflect the addition of new columns for extended optional fields. Added Senegal to the International NPANXX IDs table in **Section 8, Appendix D**. Also added a new **Section 2.2.2** for **Bridge Conference Reports**.
12/22/2016	0007	Included alternate spelling for the country 'Colombia' in Sections 5 and 8.
02/24/2017	0008	References to 'reverse' tax calculations in the AFC engine have been updated and renamed to reflect the current naming convention which is 'tax inclusive' calculations. As a result, minor references in **Section 2.14 Reconciliation Report** and **Section 2.1.5 Audit Reconciliation** have been updated.
03/24/2017	0009	Updated report extension in **Section 2.2.1 Detail Log Report** as well as sample data in **Section 2.1.3 No Tax Log Report**.
05/25/2017	0010	Updated **Appendix A – Supported Country Codes**
06/27/2017	0011	Updated **Section 2.2.1 Detail Log Report** to include columns for bundled transactions in the detail log report.
10/25/2017	0012	Updated Avalara contact information (address and support site).
12/21/2017	0013	Updated **Appendix A – Supported Country Codes and Appendix D International NPANXX IDs** with 6 new countries.
10/25/2018	0014	Updated **Appendix A – Supported Country Codes** and **Appendix A – Supported Country Codes and Appendix D International NPANXX IDs** with 4 new countries. Deleted Brazil state codes.
11/21/2018	0015	Updated **Appendix A – Supported Country Codes** and **Appendix D – International NPANXX IDs** with 2-byte ISO codes.
2/22/2019	0016	Added note to **Section 3.6.1.1 for Transaction/Service Pair List**
3/26/2019	0017	Updated **Appendix A – Supported Country Codes** and **Appendix D - International NPANXX IDs** with 5 new countries. Updated **Appendix B – Supported States, Territories and Provinces** with new provinces

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1. Overview

AvaTax for Communications (AFC) provides clients with numerous informational reports and files which contain mappings, cross-reference tables and data that can be helpful for building and maintaining an indirect tax-integrated billing system.

While the AFC engine is designed to generate some of these reports and files by default, there are many which are not automatically created; however, the data remains available and can be provided to clients if requested.

Please note that changes or settings in configuration options may impact the ability of AFC to generate reports automatically. In an effort to identify reports that are generated by default versus data that remains available to create reports by request of the client, the following terms are referenced throughout this document:

- **Generated By Default:** The AFC product routinely generates or creates the appropriate reports. The reports may or may not be provided to the client automatically.
- **Received By Default:** The AFC product routinely distributes or delivers the generated reports.
- **Available Upon Request:** No reports are routinely generated or distributed; however, the data to create such reports is available. A change in configuration options, settings or a formal request to Avalara can allow the report to be generated.

The table below provides a high-level overview of the various reports and files available by AFC product. Please reference **Section 2 Report Descriptions** or **Section 3 File Descriptions** to determine specific details such as, if data is generated by default, distributed by default or available upon request.

Overview of Report Availability By Product			
	AFC License	AFC SaaS Standard	AFC SaaS Pro
AFC Engine Reports			
Transaction/Service Report	✓	✓	✓
Audit Transaction/Service Report	✓	✓	✓
No Tax Log Report	✓	✓	✓
Reconciliation Report	✓	✓	✓
Audit Reconciliation Report	✓	✓	
EZtax Log	✓		
Transaction Count Report	✓		
Batch Processor & Stored Procedures			
Detail Log Report		✓	✓
Bridge Conferencing Report			✓
EZtax_20 Utility	✓		
Compliance Reports			
Customer Billable Amounts	✓	✓	✓
Tax Compliance Amounts	✓	✓	✓
Non-Billable Compliance Amounts	✓	✓	✓
Billable Non-Compliance Amounts	✓	✓	✓
Billable Amounts Combined with Non-Billable Amounts	✓	✓	✓

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Overview of Report Availability By Product			
	AFC License	AFC SaaS Standard	AFC SaaS Pro
Custom and Sorting Reports			
Srtcomma20 Utility	✓	✓	✓
Srtcomma20l Utility	✓	✓	✓
Srtcomma20ld Utility	✓	✓	✓
Srtcommadetail Utility	✓	✓	✓
Customsort Utility	✓	✓	✓
STRG Utility	✓	✓	✓
Ezlogns Utility	✓		
Ezlogcust Utility	✓		
Ezlogcustios Utility	✓		
Ezlogcustpts Utility	✓		
Ezlogcustptslnl Utility	✓		
Srtcdf20, srtcdf20p	✓	✓	
ASCIILOG Utility	✓	✓	
Data Files			
Tax_type.exp	✓	✓	✓
All_adr.txt	✓	✓	✓
Calculationtype.txt	✓	✓	✓
Fipspcd.txt, pcdfips.txt	✓	✓	✓
Npanxx7.txt	✓	✓	✓
Transerv.txt, transervdesc.txt, transerserdescsau.txt	✓	✓	✓

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2. Report Descriptions

2.1 AFC Engine Reports

2.1.1 Transaction/Service Report

2.1.1.1 Description

By default, all clients receive the Transaction/Service Jurisdiction Report (TSR). This is the main revenue report and includes original revenue generated for jurisdictions. However, this report does not provide local level details for jurisdictions due to memory issues.

Note: Any excluded taxing jurisdictions will appear as unknown or not be included in the report.

2.1.1.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Transaction Service Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.tsr</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td>Sample Data</td><td>
Column Headers
TSR (Bundled version) – Original Format
Jurisdiction, BundlePackage, BundleId, TransactionType, ServiceType, Charge

TSR (Non-Bundled version) – Original Format
Jurisdiction, TransactionType, ServiceType, Charge

Definitions for Transaction Service Reports
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Jurisdiction</td><td>Area subject to its own distinct tax regulations.</td></tr>
<tr><td>BundlePackage</td><td>Numeric for bundled package.</td></tr>
<tr><td>BundleId</td><td>Identifier for the bundle package.</td></tr>
<tr><td>TransactionType</td><td>Transaction Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>ServiceType</td><td>Service Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>Charge</td><td>Amount charged.</td></tr>
</table>
Sample
TSR (Bundled version)
USA, 20000, 20001, 5, 6, 300.000000
USA, 20000, 20001, 16, 6, 400.000000
USA, 20000, 20001, 19, 6, 300.000000
USA, 21000, 21001, 5, 6, 272.288730
USA, 21000, 21001, 16, 6, 363.051640

TSR (Non-Bundled version)
USA, 5, 6, 1300.000000
USA, 16, 6, 2900.000000
USA, 19, 6, 1300.000000
</td></tr>
</table>

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Transaction Service Report Format and Sample Data	
	CAN, 5, 6, 650.000000 CAN, 16, 6, 1450.000000

2.1.1.3 Availability of Reports

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

Transaction Service Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License	✓	✓		Logging Directory	
AFC SaaS Standard	✓	✓		Report zip file	
AFC SaaS Pro			✓	Emailed in zip file if requested.	Upon request, this report can be produced and provided.

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2.1.2 Audit Transaction/Service Report

2.1.2.1 Description

By default, all clients receive the Audit Transaction/Service Jurisdiction Report (TSR). This report is produced in addition to the original TSR. Similar to the original TSR, the report contains the main revenue report and includes original revenue generated for jurisdictions. However, this report does not provide local level details for jurisdictions due to memory issues. This audit version of the TSR is in CSV format and includes two additional columns, Start Date and End Date, which contain a timestamp for the report as well as headers for each of the columns of data.

Note: Any excluded taxing jurisdictions will appear as unknown or not be included in the report.

2.1.2.2 Report Format and Sample Data

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

<table>
<tr><th colspan="2">Audit Transaction Service Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>_audit.tsr.csv</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td>Sample Data</td><td>
Column Headers

TSR (Bundled version) – CSV Format
Jurisdiction, BundlePackage, BundleId, TransactionType, ServiceType, Charge, Start Date, End Date

TSR (Non-Bundled version) – CSV Format
Jurisdiction, TransactionType, ServiceType, Charge, Start Date, End Date

Definitions for Audit Transaction Service Reports

<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Jurisdiction</td><td>Area subject to its own distinct tax regulations.</td></tr>
<tr><td>BundlePackage</td><td>Numeric for bundled package.</td></tr>
<tr><td>BundleId</td><td>Identifier for the bundle package.</td></tr>
<tr><td>TransactionType</td><td>Transaction Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>ServiceType</td><td>Service Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>Charge</td><td>Amount charged.</td></tr>
<tr><td>Start Date</td><td>Timestamp (date and time) session was initiated.</td></tr>
<tr><td>End Date</td><td>Timestamp (date and time) session was terminated.</td></tr>
</table>
</td></tr>
</table>

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Audit Transaction Service Report Format and Sample Data

Sample

TSR (Bundled version) – CSV Format

Jurisdiction	BundlePkg	BundleId	Trans	Svc	Charge	Start Date	End Date
USA	20000	20001	5	6	30	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20001	16	6	40	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20001	19	6	30	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20002	1	1	1.2	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20002	1	2	0.9	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20002	2	1	0.3	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20002	5	6	17.1	07/12/16 17:31:43	07/12/16 17:31:48

TSR (Non-Bundled version) – CSV Format

Jurisdiction	Trans	Svc	Charge	Start Date	End Date
USA	1	1	100	07/18/16 15:37:37	07/18/16 15:37:39
USA	13	11	100	07/18/16 15:37:37	07/18/16 15:37:39
KS	1	1	100	07/18/16 15:37:37	07/18/16 15:37:39
KS	13	11	100	07/18/16 15:37:37	07/18/16 15:37:39
USA	1	1	100	07/18/16 15:39:19	07/18/16 15:39:20

2.1.2.3 Availability of Reports

Audit Transaction Service Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License	✓	✓		Logging Directory	In addition to the existing report provided in original format, this audit version of the report is produced and provided in CSV format. The audit version of the report name is XXXX_ audit.tsr.csv.
AFC SaaS Standard	✓	✓		Report zip file	
AFC SaaS Pro			✓	Emailed in zip file if requested.	Upon request, this report can be produced and provided in CSV format.

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2.1.3 No Tax Log Report

2.1.3.1 Description

This report contains Transaction/Service data that was processed but did not generate any taxes.

2.1.3.2 Report Format and Sample Data

<table>
<tr><th colspan="2">No Tax Log Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.ntl</td></tr>
<tr><td>File Format</td><td>Comma Delimited but fixed length</td></tr>
<tr><td>Sample Data</td><td>
Column Headers
Short Format Version: If the log file is set to short (do not display OptionalAlpha1) - Company ID, Customer Number, Transaction Type, Service Type, P Code, Charges
Long Format Version: If the log file is set to long (show OptionalAlpha1) - Company ID, Customer Number, Optional Alpha 1 Field, Transaction Type, Service Type, P Code, Charges
Definitions for No Tax Log Report
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Company ID</td><td>Input entered in the CompanyIdentifier field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Customer Number</td><td>Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Optional Alpha 1 field</td><td>Input entered in the OptionalAlpha1 field of the TelecomTransaction or SalesUseTansaction.
Note: Only displays in long format version.</td></tr>
<tr><td>TransactionType</td><td>Transaction Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>ServiceType</td><td>Service Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>PCode</td><td>PCode for taxing jurisdiction</td></tr>
<tr><td>Charges</td><td>Amount charged</td></tr>
</table>
Sample
Short Format Version -
identified company, customer number 4321, 000, 0000, 1249200, 53.27000
identified company, customer number 4321, 000, 0001, 1249200, 53.27000
identified company, customer number 4321, 000, 0002, 1249200, 53.27000

Long Format Version -
identified company, customer number 4321, True, 000, 0000, 1249200, 53.27000
identified company, customer number 4321, True, 000, 0001, 1249200, 53.27000
identified company, customer number 4321, False, 000, 0002, 1249200, 53.27000
</td></tr>
</table>

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2.1.3.3 Availability of Reports

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

No Tax Log Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Logging Directory	Only generated by default if configuration options are set properly by the user.
AFC SaaS Standard			✓	Report zip file	Can set to generate by default if needed. Only included if requested by customer. Also, in addition to the existing format, a CSV version of this report is available.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Can set to generate by default if needed. Only included if requested by customer.

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2.1.4 Reconciliation Report

2.1.4.1 Description

The Reconciliation Report contains the same columns as the TSR and an extra column for any tax inclusive charge calculations. This report is only produced upon the request of the client.

2.1.4.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Reconciliation Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.rtr</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td>Sample Data</td><td>
Column Headers
Jurisdiction, BundlePkg, BundleId, Trans, Svc, Charge, CalcCharge
Definitions for Reconciliation Report
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Jurisdiction</td><td>Input entered in the CompanyIdentifier field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>BundlePkg</td><td>Numeric for bundled package.</td></tr>
<tr><td>BundleId</td><td>Identifier for the bundle package.</td></tr>
<tr><td>Trans</td><td>Transaction Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>Svc</td><td>Service Type used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>Charge</td><td>Amount charged.</td></tr>
<tr><td>CalCharge</td><td>Calculated amount charged.</td></tr>
</table>
Sample
USA, 0, 0, 10, 15, 300.000000, 300.000000
USA, 0, 0, 16, 37, 200.000000, 200.000000
CA, 0, 0, 10, 15, 300.000000, 300.000000
CA, 0, 0, 16, 37, 200.000000, 200.000000
USA, 0, 0, 10, 15, 300.000000, 300.000000
USA, 0, 0, 16, 37, 200.000000, 200.000000
CA, 0, 0, 10, 15, 300.000000, 300.000000
CA, 0, 0, 16, 37, 200.000000, 200.000000
USA, 0, 0, 10, 15, 300.000000, 300.000000
USA, 0, 0, 16, 37, 200.000000, 200.000000
</td></tr>
</table>

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2.1.4.3 Availability of Reports

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

Reconciliation Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Logging Directory	Only generated by default if configuration options are set properly by the user.
AFC SaaS Standard			✓	Report zip file	Can set to generate by default if needed. Only included if requested by customer.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Report is currently not available; however, the data is accessible if requested by the customer. It can be implemented or created if needed.

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2.1.5 Audit Reconciliation Report

2.1.5.1 Description

The Audit Reconciliation Report contains the same columns as the Audit TSR and an extra column for any tax inclusive charge calculations. This audit version of the reconciliation report is in CSV format and includes two additional columns, Start Date and End Date, which contain a timestamp for the report as well as headers for each of the columns of data.

This report is only produced upon the request of the client.

2.1.5.2 Report Format and Sample Data

Audit Reconciliation Report Format and Sample Data

Extension	_audit.rtr.csv
File Format	Comma Delimited

Sample Data

Column Headers

Reconciliation Report (Bundled version) – CSV Format
Jurisdiction, BundlePkg, BundleId, Trans, Svc, Charge, CalcCharge, Start Date, End Date

Reconciliation Report (Non-Bundled version) – CSV Format
Jurisdiction, Trans, Svc, Charge, CalcCharge, Start Date, End Date

Definitions for Audit Reconciliation Report

Column Name	Description
Jurisdiction	Input entered in the CompanyIdentifier field of the TelecomTransaction or SalesUseTansaction.
BundlePkg	Numeric for bundled package.
BundleId	Identifier for the bundle package.
Trans	Transaction Type used in the input transaction or derived out of the bundle if a bundle transaction was used.
Svc	Service Type used in the input transaction or derived out of the bundle if a bundle transaction was used.
Charge	Amount charged.
CalCharge	Calculated amount charged.
Start Date	Timestamp (date and time) session was initiated.
End Date	Timestamp (date and time) session was terminated.

Sample

Reconciliation Report (Bundled version) – CSV Format

Jurisdiction	BundlePkg	BundleId	Trans	Svc	Charge	CalcCharge	Start Date	End Date
USA	20000	20001	5	6	30	30	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20001	16	6	40	40	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20001	19	6	30	30	07/12/16 17:31:43	07/12/16 17:31:48
USA	20000	20002	1	1	1.2	1.2	07/12/16 17:31:43	07/12/16 17:31:48

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Reconciliation Report (Non-Bundled version) – CSV Format

Jurisdiction	Trans	Svc	Charge	CalcCharge	Start Date	End Date
USA	3	34	-100	-100	07/12/16 17:31:16	07/12/16 17:31:20
USA	13	6	50	50	07/12/16 17:31:16	07/12/16 17:31:20
USA	13	50	15	15	07/12/16 17:31:16	07/12/16 17:31:20
USA	16	6	50	50	07/12/16 17:31:16	07/12/16 17:31:20

2.1.5.3 Availability of Reports

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

Audit Reconciliation Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Logging Directory	Only generated by default if configuration options are set properly by the user. In addition to the existing report provided in original format, this audit version of the report is produced and provided in CSV format. The audit version of the report name is XXXX_ audit.rtr.csv.
AFC SaaS Standard			✓	Report zip file	Can set to generate by default if needed. Only included if requested by customer. In addition to the existing report provided in original format, this audit version of the report is produced and provided in CSV format. The audit version of the report name is XXXX_ audit.rtr.csv.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Report is currently not available; however, the data is accessible if requested by the customer. It can be implemented or created if needed.

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2.1.6 Eztax Log (logfilename.log)

2.1.6.1 Description

This report is used by reporting utilities to produce customer billing and compliance reports.

2.1.6.2 Report Format

EZtax Log Report Format	
Extension	.log
File Format	Binary

2.1.6.3 Availability of Reports

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

EZtax Log Report Availability					
Product	**Generated by Default?**	**Received by Default?**	**Available Upon Request?**	**Location**	**Note**
AFC License			✓	Logging Directory	This report is currently available.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

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2.1.7 Transaction Count Report

2.1.7.1 Description

This report provides a breakdown of all transactions processed. Similar to the tsr report, it will append new entries to the end of the file, and is written out when the session is closed. By default this report is set to generate a detailed license report. Please refer to the **AFC Transaction Count Report Summary** document for additional details on this report.

2.1.7.2 Report Format

Transaction Count Report Format and Sample Data

Extension	.rpt
File Format	Comma Delimited
Sample Data	**Detail Report Column Headers**
	Client, Platform, Module, Market, Trans, Svc, LicenseId, Authorized, Count, Start Date, End Date

Definitions for Detail Transaction Count Report

Column Name	Description
Client	Blank by default. Will display licensed client when license validation is active.
Platform	Blank by default. Will display licensed platform when license validation is active.
Module	Module Description for Transaction Count
Market	Market Id for Transaction Count
Trans	Transaction Id for Transaction Count
Svc	Service Id for Transaction Count
LicenseId	0 by default. Will display license id when license validation is active.
Authorized	True by default. Will display false when license validation is active and module is not licensed for client.
Count	The number of transactions processed for Market/Trans/Svc.
Start Date	Timestamp (date and time) session was initiated.
End Date	Timestamp (date and time) session was terminated.

Detail Report Sample

Client	Platform	Module	Market	Trans	Svc	LicenseId	Authorized	Count	Start Date	End Date
		Long Distance	1	1	1	0	TRUE	2	07/05/2016 12:41:20	07/05/2016 12:41:31
		Long Distance	1	1	562	0	TRUE	48	07/05/2016 12:41:20	07/05/2016 12:41:31
		Long Distance	1	2	1	0	TRUE	4	07/05/2016 12:41:20	07/05/2016 12:41:31

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		Long Distance	1	2	5	0	TRUE	39	07/05/2016 12:41:20	07/05/2016 12:41:31
		Wireless	2	6	10	0	TRUE	1	07/05/2016 12:41:20	07/05/2016 12:41:31
		Wireless	2	13	6	0	TRUE	11	07/05/2016 12:41:20	07/05/2016 12:41:31
		Wireless	2	13	98	0	TRUE	2	07/05/2016 12:41:20	07/05/2016 12:41:31
		Local	3	7	20	0	TRUE	1	07/05/2016 12:41:20	07/05/2016 12:41:31

Summary Report Column Headers

Client, Platform, Module, Market, LicenseId, Authorized, Count, Start Date, End Date

Definitions for Summary Transaction Count Report

Column Name	Description
Client	Blank by default. Will display licensed client when license validation is active.
Platform	Blank by default. Will display licensed platform when license validation is active.
Module	Module Description for Transaction Count
Market	Market Id for Transaction Count
LicenseId	0 by default. Will display license id when license validation is active.
Authorized	True by default. Will display false when license validation is active and module is not licensed for client.
Count	The number of transactions processed for Market/Trans/Svc.
Start Date	Timestamp (date and time) session was initiated.
End Date	Timestamp (date and time) session was terminated.

Summary Report Sample

Client	Platform	Module	Market	LicenseId	Authorized	Count	Start Date	End Date
		Long Distance	1	0	TRUE	93	07/05/2016 12:33:24	07/05/2016 12:33:35
		Wireless	2	0	TRUE	14	07/05/2016 12:33:24	07/05/2016 12:33:35
		Local	3	0	TRUE	61	07/05/2016 12:33:24	07/05/2016 12:33:35
		Sales and Use	4	0	TRUE	101	07/05/2016 12:33:24	07/05/2016 12:33:35
		International	5	0	TRUE	325	07/05/2016 12:33:24	07/05/2016 12:33:35
		Telecom Core	6	0	TRUE	136	07/05/2016 12:33:24	07/05/2016 12:33:35
		VoIP	7	0	TRUE	18	07/05/2016 12:33:24	07/05/2016 12:33:35
		Cable and Satellite	8	0	TRUE	14	07/05/2016 12:33:24	07/05/2016 12:33:35

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2.1.7.3 Availability of Reports

This report is generated by the AFC Engine. Please reference the table below for additional details regarding availability of reports by product.

Transaction Count Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License	✓	✓		Working Directory	The detailed report is generated by default. The file will be named the same as the log file with the extension license.rpt. If logging is disabled, the status file name will be used. If logging is disabled, the status file name will be used. The report will not be created and/or updated until the session is terminated. For example, if the log is EZTax.log, the report will be named EZTax.license.rpt and if the log is EZTax9.log then the report will be named EZTax9.license.rpt.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

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2.2 Batch Processor & Stored Procedure Reports

2.2.1 Detail Log Report

2.2.1.1 Description

This report contains all the details of the Input file provided by the client combined with tax results. It is only available to SaaS Clients as it's not produced by AFC engine.

Note: Please be aware that one input transaction may result in one or more tax results or lines of data.

2.2.1.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Detail Log Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.csv or dtl.rpt

Note: AFC SaaS Pro – {CompanyCode}_log{YYYYMMDD}.csv; AFC SaaS Standard – {InputFilename}_dtl.rpt</td></tr>
<tr><td>File Format</td><td>Comma Delimited but fixed length</td></tr>
<tr><td>Sample Data</td><td>Column Headers
TelecomTransactionID, AdjustmentMethod, BillToCountry, BillToState, BillToCounty, BillToLocality, BillToZipcode, BillToZipP4, BillToFipsCode, BillToNpaNxx, BillToPCode, BusinessClass, Charge, CompanyIdentifier CountyExempt, CountyPCode, CustomerNumber, CustomerType, Date, OriginalTransactionDate*,Debit, DiscountType, ExemptionType, FacilitiesBased, FederalExempt, FederalPCode, Franchise, Incorporated, InvoiceNumber, LifeLine, TransactionLines, LocalExempt, LocalPCode, TransactionLocations, TransactionMinutes, Optional, Optional4, Optional5, Optional6, Optional7, Optional8, Optional9, Optional10, OptionalAlpha1, OriginationCountry, OriginationState,OriginationCounty, OriginationLocality, OriginatinoZipCode, OriginationZipP4, OriginationFipsCode, OriginationPCode, Regulated, Sale, ServiceClass, ServiceLevelNumber, ServiceType, StateExempt, StatePCode, TerminationCountry, TerminationState, TerminationCounty, TerminationLocality, TerminationZipCode, TerminationZipP4, TerminationFipsCode, TerminationNpaNxx, TerminationPCode, TransactionType, BundlePackage*, BundleId*, TransactionCharge*, CountryISO, State, ProvinceState*, County, Locality, PCode, TaxTypeID,TaxType, TaxLevelID, TaxLevel, Rate, CalculationType, TaxAmount, GrossSales, ExemptSaleAmount, Adjustments, NetSales, TaxDataLines, TaxDataLocations, TaxDataMinutes, Billable, Compliance, BridgeConf, ProcessingDate*, IsAdjustment*, ErrorMessage*, OptionalField1, OptionalField2, OptionalField3, OptionalField4, OptionalField5, OptionalField6, OptionalField7, OptionalField8, OptionalField9, OptionalField10

Definitions

<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Telecom TransactionID</td><td>Transaction ID used in the input transaction or derived out of the bundle if a bundle transaction was used.</td></tr>
<tr><td>AdjustmentMethod</td><td>Adjustment setting.</td></tr>
<tr><td>BillToCountry</td><td>Bill to country for taxing jurisdiction.</td></tr>
<tr><td>BillToState</td><td>Bill to State for taxing jurisdiction.</td></tr>
<tr><td>BillToCounty</td><td>Bill to county for taxing jurisdiction.</td></tr>
<tr><td>BillToLocality</td><td>Bill to locality for taxing jurisdiction.</td></tr>
<tr><td>BillToZipcode</td><td>Bill to zip code for taxing jurisdiction.</td></tr>
<tr><td>BillToZipP4</td><td>Bill to zip code plus 4 for taxing jurisdiction.</td></tr>
<tr><td>BillToFipsCode</td><td>Bill to Fips code for taxing jurisdiction.</td></tr>
<tr><td>BillToNpaNxx</td><td>Bill to NpaNxx for taxing jurisdiction.</td></tr>
<tr><td>BillToPCode</td><td>Bill to PCode for taxing jurisdiction.</td></tr>
<tr><td>BusinessClass</td><td>Specification of business as CLEC or ILEC</td></tr>
<tr><td>Charge</td><td>Amount Charged</td></tr>
</table>
</td></tr>
</table>

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Detail Log Report Format and Sample Data			
		CompanyIdentifer	Input entered in the CompanyIdentifier field of the TelecomTransaction or SalesUseTansaction.
		CountyExempt	Input entered in the CountyExempt field of the TelecomTransaction or SalesUseTansaction.
		CountyPCode	County PCode for taxing jurisdiction
		CustomerNumber	Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.
		CustomerType	Input entered in the CustomerType field of the TelecomTransaction or SalesUseTansaction.
		Date	Input entered in the Date field of the TelecomTransaction or SalesUseTansaction.
		Debit	Debit transaction.
		DiscountType	Input entered in the DiscountType field of the TelecomTransaction or SalesUseTansaction.
		ExemptionType	Input entered in the ExemptionType field of the TelecomTransaction or SalesUseTansaction.
		FacilitiesBased	Input entered in the FacilitiesBased field of the TelecomTransaction or SalesUseTansaction.
		ErrorMessage*	Error messages
		FederalExempt	Input entered in the FederalExempt field of the TelecomTransaction or SalesUseTansaction.
		FederalPCdoe	Federal PCode for taxing jurisdiction
		Franchise	Input entered in the Franchise field of the TelecomTransaction or SalesUseTansaction.
		Incorporated	Input entered in the Incorporated field of the TelecomTransaction or SalesUseTansaction.
		InvoiceNumber	Input entered in the InvoiceNumber field of the TelecomTransaction or SalesUseTansaction.
		IsAdjustment*	Flag indicating whether bundle is an adjustment or tax calculation
		Lifeline	Identifier as a Lifeline participant.
		TransactionLines	Number of lines used for calculating the tax in per-line taxes.
		LocalExempt	Input entered in the LocalExempt field of the TelecomTransaction or SalesUseTansaction.
		LocalPCode	Local PCode for taxing jurisdiction
		TransactionLocations	Number of locations
		TransactionMinutes	Number of minutes used for calculating the tax in per-minute taxes.
		Optional	Input entered in the Optional field of the TelecomTransaction or SalesUseTansaction.
		Optional4	Input entered in the Optional4 field of the TelecomTransaction or SalesUseTansaction.
		Optional5	Input entered in the Optional5 field of the TelecomTransaction or SalesUseTansaction.
		Optiional6	Input entered in the Optional6 field of the TelecomTransaction or SalesUseTansaction.
		Optional7	Input entered in the Optional7 field of the TelecomTransaction or SalesUseTansaction.
		Optional8	Input entered in the Optional8 field of the TelecomTransaction or SalesUseTansaction.
		Optional9	Input entered in the Optional9 field of the TelecomTransaction or SalesUseTansaction.
		Optional10	Input entered in the Optional10 field of the TelecomTransaction or SalesUseTansaction.
		OptionalAlpha1	Input entered in the OptionalAlpha1 field of the TelecomTransaction or SalesUseTansaction.
		OriginationCountry	Originating country for taxing jurisdiction.

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Detail Log Report Format and Sample Data			
		OriginationState	Originating state for taxing jurisdiction.
		OriginationCounty	Originating county for taxing jurisdiction.
		OriginalTransactionDate*	Input entered in the Date field of the TelecomTransaction or SalesUseTansaction.
		OriginationZipCode	Originating zip code for taxing jurisdiction.
		OriginationZipP4	Originating zip code plus 4 for taxing jurisdiction.
		OriginationFipsCode	Originating Fipscode for taxing jurisdiction.
		OriginationNpaNxx	Originating NPaNxx for taxing jurisdiction.
		OriginationPCode	Originating PCode for taxing jurisdiction.
		ProcessingDate*	Date bundle file processed
		ProvinceState*	State or province abbreviation for taxing jurisdiction.
		Regulated	Input entered in the Regulated field of the TelecomTransaction or SalesUseTansaction.
		Sale	Sale amount
		ServiceClass	Specification of service class
		ServiceLevelNumber	Input entered in the ServiceLevelNumber field of the TelecomTransaction or SalesUseTansaction.
		ServiceType	Service Type used in the input transaction or derived out of the bundle if a bundle transaction was used.
		StateExempt	Input entered in the StateExempt field of the TelecomTransaction or SalesUseTansaction.
		StatePCode	State PCode for taxing jurisdiction.
		TerminationCountry	Termination country for taxing jurisdiction.
		TerminationState	Termination state for taxing jurisdiction.
		TerminationCounty	Termination county for taxing jurisdiction.
		TerminationLocality	Termination locality for taxing jurisdiction.
		TerminationZipCode	Termination zip code for taxing jurisdiction.
		TerminationZipP4	Termination zipc ode plus 4 for taxing jurisdiction.
		TerminatinonFipsCode	Termination Fipscode for taxing jurisdiction.
		TerminationNpaNxx	Termination NpaNxx for taxing jurisdiction.
		TerminationPCode	Termination PCode for taxing jurisdiction.
		TransactionType	Transaction Type used in the input transaction or derived out of the bundle if a bundle transaction was used.
		BundlePackage*	Bundle Transaction Type Value
		BundleId*	Bundle Service Type Value
		TransactionCharge*	Charge for Bundle
		CountryISO	Three-character country code for taxing jurisdiction.
		State	State abbreviation for taxing jurisdiction.
		County	County name for taxing jurisdiction.
		Locality	Locality name for taxing jurisdiction.
		PCode	PCode for taxing jurisdiction
		TaxTypeID	Tax Type ID used in the input transaction or derived out of the bundle if a bundle transaction was used.
		TaxType	Tax type identifier.
		TaxLevelID	Tax Level ID used in the input transaction or derived out of the bundle if a bundle transaction was used.

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Detail Log Report Format and Sample Data

TaxLevel	Tax level identifier.
Rate	Rate for tax.
CalculationType	Calculation type for tax.
TaxAmount	Tax amount.
GrossSales	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
ExemptSaleAmount	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
NetSales	Net sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
TaxDataLines	Number of lines used for calculating the tax in per-line taxes.
TaxDataLocations	Number of locations.
TaxDataMinutes	Number of minutes used for calculating the tax in per-minute taxes.
Billable	Billable flag for tax.
Compliance	Compliance flag from tax record.
BridgeConf	Flag for transactional data related to bridge conferencing.
**OptionalField1	Additional Extended Optional fields in which column headers are defined by the user upon creation of each one.
**OptionalField2	
**OptionalField3	
**OptionalField4	
**OptionalField5	
**OptionalField6	
**OptionalField7	
**OptionalField8	
**OptionalField9	
**OptionalField10	

***Note:** BundlePackage, BundleId, TransactionCharge, ProcessingDate, IsAdjustment and ErrorMessage columns only apply to the detail log report for bundled transactions.

****Note:** For AFC SaaS Pro clients, the OptionalField column headers will remain until user overrides this default. Due to the level of complexity, please contact communicationsupport@avalara.com for a sample Detail Log Report which includes columns for the Extended Optional fields.

Sample

248184589	0	2102300	1	100	TSY_Test	FALSE	0		1	2/24/2016 12:00	
	FALSE	0	0	FALSE	FALSE	0	FALSE	TRUE	0	FALSE	0
	FALSE	0	0	0	0	0	0	0	0	0	0
	0		839300	FALSE	TRUE	1	0	585	FALSE	0	2102300
	61	USA				0	169	FCC Regulatory Fee (Wireline)		0	Federal
	0.00331	1	0.331	100	0	0	100	0	0	0	TRUE
	TRUE										
248184589	0	2102300	1	100	TSY_Test	FALSE	0		1	2/24/2016 12:00	
	FALSE	0	0	FALSE	FALSE	0	FALSE	TRUE	0	FALSE	0
	FALSE	0	0	0	0	0	0	0	0	0	0
	0		839300	FALSE	TRUE	1	0	585	FALSE	0	2102300
	61	USA				0	18	Fed Universal Service Fund		0	Federal
	0.182	1	18.2	100	0	0	100	0	0	0	TRUE
	TRUE										
248184729	0	2102300	1	100	TSY_Test	FALSE	0		1	2/24/2016 12:00	
	FALSE	0	0	FALSE	FALSE	0	FALSE	TRUE	0	FALSE	0
	FALSE	0	0	0	0	0	0	0	0	0	0
	0		839300	FALSE	TRUE	1	0	585	FALSE	0	2102300

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Detail Log Report Format and Sample Data												
		61	USA				0	169	FCC Regulatory Fee (Wireline)		0	Federal
		0.00331	1	0.331	100	0	0	100	0	0	0	TRUE
		TRUE										
	248184729	0	2102300	1	100	TSY_Test	FALSE	0		1	2/24/2016 12:00	
		FALSE	0	0	FALSE	FALSE	0	FALSE	TRUE	0	FALSE	0
		FALSE	0	0	0	0	0	0	0	0	0	0
		0		839300	FALSE	TRUE	1	0	585	FALSE	0	2102300
		61	USA				0	18	Fed Universal Service Fund		0	Federal
		0.182	1	18.2	100	0	0	100	0	0	0	TRUE
		TRUE										
	248184736	0	2102300	1	100	TSY_Test	FALSE	0		1	2/24/2016 12:00	
		FALSE	0	0	FALSE	FALSE	0	FALSE	TRUE	0	FALSE	0
		FALSE	0	0	0	0	0	0	0	0	0	0
		0		839300	FALSE	TRUE	1	0	585	FALSE	0	2102300
		61	USA				0	169	FCC Regulatory Fee (Wireline)		0	Federal
		0.00331	1	0.331	100	0	0	100	0	0	0	TRUE
		TRUE										
	248184736	0	2102300	1	100	TSY_Test	FALSE	0		1	2/24/2016 12:00	
		FALSE	0	0	FALSE	FALSE	0	FALSE	TRUE	0	FALSE	0
		FALSE	0	0	0	0	0	0	0	0	0	0
		0		839300	FALSE	TRUE	1	0	585	FALSE	0	2102300
		61	USA				0	18	Fed Universal Service Fund		0	Federal
		0.182	1	18.2	100	0	0	100	0	0	0	TRUE
		TRUE										
		0	100	0	0	0	TRUE	TRUE				

2.2.1.3 Availability of Reports

This report is generated by the batch processor and stored procedures. Please reference the table below for additional details regarding availability of reports by product.

Detail Log Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License				Working Directory	This report is currently not available.
AFC SaaS Standard			✓	Report zip file	Can set to generate by default if needed. Currently, it is included at the request of the customer. Only made available for clients using the new Extended format. In addition to the existing format, a CSV version of this report is available.
AFC SaaS Pro			✓	Emailed in zip file if requested.	This report is not currently generated by default; however, it can be set to generate by default if needed. Currently, it is included at the request of the customer.

2.2.2 Bridge Conferencing Report

The Bridge Conferencing feature is currently in development at this time. Please refrain from using this feature as well as the proposed solutions and APIs until further notice.

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2.3 Compliance Reports

2.3.1 Customer Billable Amounts

2.3.1.1 Description

The Customer Billable Amounts reports is summarized, fixed position customer information report primarily used by clients for Billing purposes. Produced for clients configured for standard compliance reporting. Never requested by SaaS Pro Clients.

2.3.1.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Customer Billable Amounts Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.csf (customer sort format)</td></tr>
<tr><td>File Format</td><td>Fixed Position</td></tr>
<tr><td>Sample Data</td><td>
Column Headers
Data Specification for Output (.CSF) Files
Customer Number, Tax Type, Tax Level, Tax Amount Sign, Tax Amount, File Record Length

Data Specification for Output (.CSF) Files Sorted with SrtComma20.exe and SrtComma20l.exe With –pcsf specified after input name
Primary Output Key, Tax Type, Tax Level, Tax Amount Sign, Tax Amount, PCode, File Record Length

Definitions for Customer Billable Amounts Data Specification for Output (.CSF) Files

<table>
<tr><th>Column Name</th><th>Type</th><th>Len</th><th>Positions</th><th>Note</th><th>Description</th></tr>
<tr><td>Customer Number</td><td>A/N</td><td>20</td><td>1-20</td><td>Defines primary output key passed from client input data</td><td>Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Tax type</td><td>A/N</td><td>6</td><td>21-26</td><td>Telecommunications tax type (see Tax Types table for listing)</td><td>Tax type identifier.</td></tr>
<tr><td rowspan="5">Tax level</td><td rowspan="5">A/N</td><td rowspan="5">1</td><td rowspan="5">27</td><td>0 = Federal</td><td rowspan="5">Tax level identifier.</td></tr>
<tr><td>1 = State</td></tr>
<tr><td>2 = County</td></tr>
<tr><td>3 = City</td></tr>
<tr><td>4 = Un-incorporated</td></tr>
<tr><td>Tax amount sign</td><td>A</td><td>1</td><td>28</td><td>Format "+" or "-"</td><td>Numeric</td></tr>
<tr><td>Tax amount</td><td>N</td><td>11.5</td><td>29-39</td><td>Format "99999999999" zero-filled, 5 decimal places (no decimal point)</td><td>Tax amount.</td></tr>
<tr><td>File record length</td><td></td><td>39</td><td></td><td></td><td></td></tr>
</table>
Definitions for Data Specification for Output (.CSF) Files Sorted with SrtComma20.exe and SrtComma20l.exe With –pcsf specified after input name
</td></tr>
</table>

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Customer Billable Amounts Report Format and Sample Data					
Column Name	**Type**	**Len**	**Positions**	**Note**	**Description**
Primary output key	A/N	20	1-20	Defines primary output key passed from client input data	
Tax type	A/N	6	21-26	Telecommunications tax type (see Tax Types table for listing)	Tax type identifier.
Tax level	A/N	1	27	0 = Federal	Tax level identifier.
				1= State	
				2 = County	
				3 = City	
				4 = Un-incorporated	
Tax amount sign	A	1	28	Format "+" or "-"	Numeric
Tax amount	N	11.5	29-39	Format "99999999999" zero-filled, 5 decimal places (no decimal point)	Tax amount.
P Code	N	9	40-48	Permanent Code	PCode for taxing jurisdiction
File record length		48			

2.3.1.3 Availability of Reports

This report is generated by srtcomma20l. Please reference the table below for additional details regarding availability of reports by product.

Customer Billable Amounts Report Availability					
Product	**Generated by Default?**	**Received by Default?**	**Available Upon Request?**	**Location**	**Note**
AFC License	✓	✓		Working Directory	This report is generated by default.
AFC SaaS Standard	✓	✓		Report zip file	Clients configured for compliance reporting receive this report by default. It is generated as the batch of transactions are processed.
AFC SaaS Pro			✓	Emailed in zip file if requested.	This report is currently not available; however, the data is accessible if requested by the customer.

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2.3.2 Tax Compliance Amounts

2.3.2.1 Description

This is the primary Compliance file and provides a summarized, standard billable tax report. Clients configured for compliance reporting receives it by default in comma delimited format. SaaS pro clients receives it monthly (Assumed Date method 0 unless specified).

2.3.2.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Tax Compliance Amounts Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.ssf</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td>Sample Data</td><td>
Column Headers
Country, State, Locality, Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes
Definitions for Tax Compliance Amounts Comma Delimited SSF File Format
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Country</td><td>Three-character country code for taxing jurisdiction.</td></tr>
<tr><td>State</td><td>State abbreviation for taxing jurisdiction.</td></tr>
<tr><td>County</td><td>County name for taxing jurisdiction.</td></tr>
<tr><td>Locality</td><td>Locality name for taxing jurisdiction.</td></tr>
<tr><td>Tax Type</td><td>Tax type identifier.</td></tr>
<tr><td>Tax Level</td><td>Tax level identifier.</td></tr>
<tr><td>Tax Rate</td><td>Rate for tax.</td></tr>
<tr><td>Tax Amount</td><td>Tax amount.</td></tr>
<tr><td>Gross Sale</td><td>Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.</td></tr>
<tr><td>Exempt</td><td>Exempt sale amount from tax record.</td></tr>
<tr><td>Adjustments</td><td>Adjustment calculation.</td></tr>
<tr><td>Taxable Measure</td><td>Taxable measure used for calculating the tax.</td></tr>
<tr><td>Minutes</td><td>Number of minutes used for calculating the tax in per-minute taxes.</td></tr>
</table>
Sample
USA,,,, 6, 0, 0.030000, 29881.866905, 996062.252444, 0.000000, 0.000000, 996062.252444, 14859213.000000
USA,,,, 7, 0, 0.007600, 10116.132171, 1331070.000000, 0.000000, 0.000000, 1331070.000000, 20410578.000000
USA,,,, 18, 0, 0.031400, 11145.492379, 354952.000000, 0.000000, 0.000000, 354952.000000, 5446827.000000
USA, AL, , , 16, 1, 0.067000, 969.972210, 14477.196802, 0.000000, 0.000000, 14477.196802, 220238.671875
USA, AZ, , , 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014
USA, AZ, , , 10, 1, 0.012500, 9.068400, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578
USA, AZ, , , 12, 1, 0.011000, 7.980192, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578
USA, AZ, APACHE, , 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014
USA, AZ, APACHE, , 1, 2, 0.027000, 0.435283, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014
USA, AZ, APACHE, SPRINGERVILLE, 1, 1, 0.050000, 0.705320, 14.106400, 0.000000, 0.000000, 14.106400, 214.620010
</td></tr>
</table>

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2.3.2.3 Availability of Reports

This report is generated by srtcomma20l. Please reference the table below for additional details regarding availability of reports by product.

Tax Compliance Amounts Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License				Working Directory	This file is not generated when the [-cl] command line option is used.
AFC SaaS Standard	✓	✓		Report zip file	Clients configured for compliance reporting receive this report by default. It is generated as the batch of transactions are processed. In addition to the existing format, a CSV version of this report is available.
AFC SaaS Pro	✓			Emailed in zip file if requested.	Reports are generated by default going forward with assumption of Date Method 0. Reports are generated on a monthly basis.

2.3.3 Non-Billable Compliance Amounts

2.3.3.1 Description

This summarized, comma delimited report is generated only for non-billable amounts.

2.3.3.2 Report Format

Non Billable Amounts for Compliance Report Format and Sample Data	
Extension	.nba
File format	.ssf

2.3.3.3 Availability of Reports

This report is generated by srtcomma20l. Please reference the table below for additional details regarding availability of reports by product.

Non Billable Amounts for Compliance Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License				Working Directory	This file is not generated when the [-cl] command line option is used.

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Non Billable Amounts for Compliance Report Availability					
AFC SaaS Standard	✓	✓		Report zip file	Clients configured for compliance reporting receive this report by default. It is generated as the batch of transactions are processed. In addition to the existing format, a CSV version of this report is available.
AFC SaaS Pro	✓			Emailed in zip file if requested.	Reports are generated by default going forward with assumption of Date Method 0. Reports are generated on a monthly basis.

2.3.4 Billable Non-Compliance Amounts

2.3.4.1 Description

Summarized Comma delimited report generated only for non-compliance taxes (Transactions that do not require compliance within a jurisdiction).

Note: Non-compliance taxes aren't included in the .ssf Compliance file.

2.3.4.2 Report Format

Billed Non-Compliance Report Format and Sample Data	
Extension	.nca
File Format	.ssf

2.3.4.3 Availability of Reports

This report is generated by srtcomma20l. Please reference the table below for additional details regarding availability of reports by product.

Billed Non-Compliance Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License				Working Directory	This file is generated only if there are transactions in the AFC log that do not require compliance with a jurisdiction.
AFC SaaS Standard	✓	✓		Report zip file	Clients configured for compliance reporting receive this report by default. It is generated as the batch of transactions are processed.

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Billed Non-Compliance Report Availability					
					In addition to the existing format, a CSV version of this report is available.
AFC SaaS Pro			✓	Emailed in zip file if requested.	This report is currently not available; however, the data is accessible if requested by the customer.

2.3.5 Billable Amounts Combined with Non-Billable Amounts

2.3.5.1 Description

It contains aggregated compliance-related data from multiple files (SSF, NBA, NCA). Mainly used by our compliance department.

2.3.5.2 Report Format

Billable Amounts Combined with Non-Billable Amounts Report Format	
Extension	.scl
File Format	.ssf

2.3.5.3 Availability of Reports

This report is generated by the Combine SSF utility. Please reference the table below for additional details regarding availability of reports by product.

Billable Amounts Combined with Non-Billable Amounts Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	Clients may configure this report if needed.
AFC SaaS Standard			✓	Report zip file	This report is currently not available; however, the data is accessible if requested by the customer.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Clients may request to have this report configured if needed.

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2.4 Custom and Sorting Reports

The Custom Sort Utility is designed to allow clients to produce taxation reports which are sorted and summarized using client-specified fields and/or options. The utility is restricted to fields available in the AvaTax for Communications (AFC) transaction log, which can be affected by configuration settings in the EZtax.cfg.

This utility uses the AvaTax for Communications (AFC) API library.

2.4.1 srtcomma20 Utility, (Outputfilename.ext)

2.4.1.1 Description

Produces a comma-delimited file for compliance filing. User selects sort criteria and preferences.

Generates a outputfilename.ssf file for tax compliance filing.Sorted and condensed by PCode, Tax Type, Tax Level, Tax Rate.

Also generates outputfilename.csf file for customer billing.

Sorted and condensed by Customer Number, Tax Type, Tax Level, Tax Rate, Tax Amount.

2.4.1.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Srtcomma20 Utility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.ssf, .csf</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td rowspan="3">Sample Data</td><td>Column Headers</td></tr>
<tr><td>Country, State, Locality, Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes</td></tr>
<tr><td>Definitions for srtcomma20 Comma Delimited SSF File Format</td></tr>
</table>

Column Name	Description
Country	Three-character country code for taxing jurisdiction.
State	State abbreviation for taxing jurisdiction.
County	County name for taxing jurisdiction.
Locality	Locality name for taxing jurisdiction.
Tax Type	Tax type identifier.
Tax Level	Tax level identifier.

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Srtcomma20 Utility Report Format and Sample Data	

Tax Rate	Rate for tax.
Tax Amount	Tax amount.
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of minutes used for calculating the tax in per-minute taxes.

Sample

```
USA,,,, 6, 0, 0.030000, 29881.866905, 996062.252444, 0.000000, 0.000000, 996062.252444, 14859213.000000
USA,,,, 7, 0, 0.007600, 10116.132171, 1331070.000000, 0.000000, 0.000000, 1331070.000000, 20410578.000000
USA,,,, 18, 0, 0.031400, 11145.492379, 354952.000000, 0.000000, 0.000000, 354952.000000, 5446827.000000
USA, AL, , , 16, 1, 0.067000, 969.972210, 14477.196802, 0.000000, 0.000000, 14477.196802, 220238.671875
USA, AZ, , , 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014
USA, AZ, , , 10, 1, 0.012500, 9.068400, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578
USA, AZ, , , 12, 1, 0.011000, 7.980192, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578
USA, AZ, APACHE, , 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014
USA, AZ, APACHE, , 1, 2, 0.027000, 0.435283, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014
USA, AZ, APACHE, SPRINGERVILLE, 1, 1, 0.050000, 0.705320, 14.106400, 0.000000, 0.000000, 14.106400, 214.620010
```

2.4.1.3 Availability of Reports

This report is generated by the srtcomma20 Utility. Please reference the table below for additional details regarding availability of reports by product.

Srtcomma20 Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard			✓	Report zip file	Can request one extra report by using any of this utility/format. Report will be generated for every batch of transactions as requested. This report will be available soon for SaaS clients in specific base formats.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Can request one extra report with each API call by using any of this utility/format. The report will be generated monthly as requested. This report will be available soon for SaaS clients in specific base formats.

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2.4.2 srtcomma20l Utility, (Outputfilename.ext)

2.4.2.1 Description

Same as srtcomma20 but the .ssf file also contains the number of lines.

2.4.2.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Srtcomma20l Utility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.ssf</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td rowspan="4">Sample Data</td><td>Column Headers</td></tr>
<tr><td>Country, State, Locality, Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Lines

PCode,, Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Lines</td></tr>
<tr><td>Definitions for srtcomma20l SSF File Format Key without -p option</td></tr>
<tr><td>
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Country</td><td>Three-character country code for taxing jurisdiction.</td></tr>
<tr><td>State</td><td>State abbreviation for taxing jurisdiction.</td></tr>
<tr><td>County</td><td>County name for taxing jurisdiction.</td></tr>
<tr><td>Locality</td><td>Locality name for taxing jurisdiction.</td></tr>
<tr><td>Tax Type</td><td>Tax type identifier.</td></tr>
<tr><td>Tax Level</td><td>Tax level identifier.</td></tr>
<tr><td>Tax Rate</td><td>Rate for tax.</td></tr>
<tr><td>Tax Amount</td><td>Tax amount.</td></tr>
<tr><td>Gross Sale</td><td>Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.</td></tr>
<tr><td>Exempt</td><td>Exempt sale amount from tax record.</td></tr>
<tr><td>Adjustments</td><td>Adjustment calculation.</td></tr>
<tr><td>Taxable Measure</td><td>Taxable measure used for calculating the tax.</td></tr>
<tr><td>Minutes</td><td>Number of minutes used for calculating the tax in per-minute taxes.</td></tr>
<tr><td>Lines</td><td>Number of lines used for calculating the tax in per-line taxes.</td></tr>
</table>
</td></tr>
<tr><td>Sample</td></tr>
<tr><td>USA,,,, 6, 0, 0.030000, 29881.866905, 996062.252444, 0.000000, 0.000000, 996062.252444, 14859213.000000, 0
USA,,,, 7, 0, 0.007600, 10116.132171, 1331070.000000, 0.000000, 0.000000, 1331070.000000, 20410578.000000, 0
USA,,,, 18, 0, 0.031400, 11145.492379, 354952.000000, 0.000000, 0.000000, 354952.000000, 5446827.000000, 0
USA, AL, , , 16, 1, 0.067000, 969.972210, 14477.196802, 0.000000, 0.000000, 14477.196802, 220238.671875, 0
USA, AZ, , , 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014, 0
USA, AZ, , , 10, 1, 0.012500, 9.068400, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578, 0
USA, AZ, , , 12, 1, 0.011000, 7.980192, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578, 0</td></tr>
</table>

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Srtcomma20l Utility Report Format and Sample Data
USA, AZ, APACHE, , 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014, 0 USA, AZ, APACHE, , 1, 2, 0.027000, 0.435283, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014, 0 USA, AZ, APACHE, SPRINGERVILLE, 1, 1, 0.050000, 0.705320, 14.106400, 0.000000, 0.000000, 14.106400, 214.620010, 0

srtcomma20l SSF File Format Key with -p option

Column Name	Description
PCode	
Tax Type	Tax type identifier.
Tax Level	Tax level identifier.
Tax Rate	Rate for tax.
Tax Amount	Tax amount.
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment caluculation.
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of minutes used for calculating the tax in per-minute taxes.
Lines	Number of lines used for calculating the tax in per-line taxes.

Sample

0, 6, 0, 0.030000, 29881.866905, 996062.252444, 0.000000, 0.000000, 996062.252444, 14859213.000000, 0
0, 7, 0, 0.007600, 10116.132171, 1331070.000000, 0.000000, 0.000000, 1331070.000000, 20410578.000000, 0
0, 18, 0, 0.031400, 11145.492379, 354952.000000, 0.000000, 0.000000, 354952.000000, 5446827.000000, 0
100, 16, 1, 0.067000, 969.972210, 14477.196802, 0.000000, 0.000000, 14477.196802, 220238.671875, 0
125300, 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014, 0
125300, 10, 1, 0.012500, 9.068400, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578, 0
125300, 12, 1, 0.011000, 7.980192, 725.472000, 0.000000, 0.000000, 725.472000, 11037.642578, 0
125400, 1, 1, 0.050000, 0.806080, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014, 0
125400, 1, 2, 0.027000, 0.435283, 16.121600, 0.000000, 0.000000, 16.121600, 245.280014, 0
125500, 1, 1, 0.050000, 0.705320, 14.106400, 0.000000, 0.000000, 14.106400, 214.620010, 0

2.4.2.3 Availability of Reports

This report is generated by the srtcomma20l Utility. Please reference the table below for additional details regarding availability of reports by product.

Srtcomma20l Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard			✓	Report zip file	Can request one extra report by using any of this utility/format. Report will be generated for every batch of transactions as requested. This report will be available soon for SaaS clients in specific base formats.

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AFC SaaS Pro			✓	Emailed in zip file if requested.	Can request one extra report with each API call by using any of this utility/format. The report will be generated monthly as requested. This report will be available soon for SaaS clients in specific base formats.

2.4.3 srtcomma20ld Utility, (Outputfilename.ext)

2.4.3.1 Description

Same as srtcomma20l but the .ssf file also contains Discount and Calculation Types.

2.4.3.2 Report Format and Sample Data

Srtcomma20ld Utility Report Format and Sample Data	
Extension	.ssf,
File Format	Comma Delimited Fixed Length
Sample Data	**Column Headers**
	Country, State, Locality, Tax Type, Tax Level, Adjustment Type, Calculation Type, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Lines PCode,, Tax Type, Tax Level, Adjustment Type, Calculation Type, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Lines
	Definitions for srtcomma20ld SSF File Format without -p option

Column Name	Description
Country	Three-character country code for taxing jurisdiction.
State	State abbreviation for taxing jurisdiction.
County	County name for taxing jurisdiction.
Locality	Locality name for taxing jurisdiction.
Tax Type	Tax type identifier.
Tax Level	Tax level identifier.
Adjustment Type	Input entered in the AdjustmentType field of the TelecomTransaction or SalesUseTansaction.
Calculation Type	Calculation type for tax.
Tax Rate	Rate for tax.
Tax Amount	Tax amount.
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.

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Srtcomma20ld Utility Report Format and Sample Data

Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of minutes used for calculating the tax in per-minute taxes.
Lines	

Sample

```
USA,   , , , 18, 0, 0, 1, 0.091000, 470.360800, 5168.800000, 0.000000, 0.000000, 5168.800000, 0.0, 0
USA,   , , , 55, 0, 0, 1, 0.033761, 132.343120, 3920.000000, 0.000000, 0.000000, 3920.000000, 3840.0, 0
USA,   , , , 169, 0, 0, 1, 0.002430, 12.560184, 5168.800000, 0.000000, 0.000000, 5168.800000, 0.0, 0
USA,   , , , 170, 0, 0, 2, 0.018333, 0.293328, 80.000000, 50.320000, 0.000000, 29.680000, 0.0, 0
USA, CA, , , 9, 1, 0, 1, 0.001100, 0.704000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0
USA, CA, , , 10, 1, 0, 1, 0.007200, 4.823194, 669.888000, 0.000000, 0.000000, 669.888000, 0.0, 0
USA, CA, , , 19, 1, 0, 1, 0.024300, 15.552000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0
USA, CA, , , 21, 1, 0, 1, 0.001600, 1.024000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0
USA, CA, , , 22, 1, 0, 1, 0.015500, 9.920000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0
USA, CA, , , 23, 1, 0, 1, 0.002700, 1.728000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0
```

Definitions for srtcomma20ld SSF File Format Key with -p option

Column Name	Description
PCode	PCode for taxing jurisdiction
Tax Type	Tax type identifier.
Tax Level	Tax level identifier.
Discount Type	Input entered in the DiscountType field of the TelecomTransaction or SalesUseTansaction.
Calculation Type	Calculation type for tax.
Adjustment Type	Adjustment type for tax.
Calc Type	Calculation type for tax.
Tax Rate	Rate for tax.
Tax Amount	Tax amount.
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of minutes used for calculating the tax in per-minute taxes.
Lines	Number of lines used for calculating the tax in per-line taxes.

Sample

```
253500, 9, 1, 0, 1, 0.001100, 0.704000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0
253500, 10, 1, 0, 1, 0.007200, 4.823194, 669.888000, 0.000000, 0.000000, 669.888000, 0.0, 0
```


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Srtcomma20ld Utility Report Format and Sample Data	
	253500, 19, 1, 0, 1, 0.024300, 15.552000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0 253500, 21, 1, 0, 1, 0.001600, 1.024000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0 253500, 22, 1, 0, 1, 0.015500, 9.920000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0 253500, 23, 1, 0, 1, 0.002700, 1.728000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0 253500, 44, 1, 0, 1, 0.007200, 3.817705, 530.236821, 0.000000, 0.000000, 530.236821, 480.0, 0 253500, 60, 1, 0, 1, 0.001500, 0.960000, 640.000000, 0.000000, 0.000000, 640.000000, 0.0, 0 253500, 232, 1, 0, 1, 0.002700, 1.367765, 506.579556, 0.000000, 0.000000, 506.579556, 480.0, 0

2.4.3.3 Availability of Reports

This report is generated by the srtcomma20ld Utility. Please reference the table below for additional details regarding availability of reports by product.

Srtcomma20ld Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard			✓	Report zip file	Can request one extra report by using any of this utility/format. Report will be generated for every batch of transactions as requested. This report will be available soon for SaaS clients in specific base formats.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Can request one extra report with each API call by using any of this utility/format. The report will be generated monthly as requested. This report will be available soon for SaaS clients in specific base formats.

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2.4.4 srtcommadetail Utility, (Outputfilename.ext)

2.4.4.1 Description

Same as srtcomma20 but the .ssf file includes Tax Type and Tax Level descriptions.

2.4.4.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Srtcommadetail utility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.ssf</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td rowspan="3">Sample Data</td><td>Column Headers</td></tr>
<tr><td>Country, State, Locality, PCode, Tax Type, Tax Type Description, Tax Level, Tax Level Description, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes</td></tr>
<tr><td>Definitions for srtcommadetail SSF File Format Key</td></tr>
</table>

Column Name	Description
Country	Three-character country code for taxing jurisdiction.
State	State abbreviation for taxing jurisdiction.
County	County name for taxing jurisdiction.
PCode	PCode for taxing jurisdiction
Locality	Locality name for taxing jurisdiction.
Tax Type	Tax type identifier.
Tax Type Description	Description for tax type.
Tax Level	Tax level identifier
Tax Level Description	Description for tax level identifier.
Tax Rate	Rate for tax.
Tax Amount	Tax amount.
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of minutes used for calculating the tax in per-minute taxes.

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Srtcommadetail utility Report Format and Sample Data	
	Sample
	USA, , , , 0, 6, Federal Excise Tax, 0, Federal, 0.030000, 63.946941, 2131.564739, 0.000000, 0.000000, 2131.564739, 2376516.0 USA, CA, , , 253500, 9, P.U.C. Fee, 1, State, 0.001100, 0.072776, 66.159998, 0.000000, 0.000000, 66.159998, 155916.0 USA, CA, , , 253500, 10, E911 Tax, 1, State, 0.006500, 0.450252, 69.269518, 0.000000, 0.000000, 69.269518, 155916.0 USA, CA, , , 253500, 19, State High Cost Fund, 1, State, 0.024300, 1.607688, 66.159998, 0.000000, 0.000000, 66.159998, 155916.0 USA, CA, , , 253500, 21, CA Teleconnect Fund, 1, State, 0.001600, 0.105856, 66.159998, 0.000000, 0.000000, 66.159998, 155916.0 USA, CA, , , 253500, 60, CA High Cost Fund A, 1, State, 0.001500, 0.099240, 66.159998, 0.000000, 0.000000, 66.159998, 155916.0 USA, CO, , , 427200, 13, State Universal Service Fund, 1, State, 0.029000, 0.026172, 0.902500, 0.000000, 0.000000, 0.902500, 1920.0 USA, CO, DENVER, , 442100, 4, District Tax, 2, County, 0.001000, 0.000211, 0.210945, 0.000000, 0.000000, 0.210945, 246.0

2.4.4.3 Availability of Reports

This report is generated by the srtcommadetail Utility. Please reference the table below for additional details regarding availability of reports by product.

Srtcommadetail Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard			✓	Report zip file	Can request one extra report by using any of this utility/format. Report will be generated for every batch of transactions as requested. This report will be available soon for SaaS clients in specific base formats.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Can request one extra report with each API call by using any of this utility/format. The report will be generated monthly as requested. This report will be available soon for SaaS clients in specific base formats.

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2.4.5 customsort Utility, (Outputfilename.ext)

2.4.5.1 Description

The customsort utility is designed to allow clients to produce taxation reports which are sorted and summarized using client-specified fields and/or options. In other words, it's a one-stop shop where clients can generate a specific report in available base format (utility) and can include sort on additional fields.

It works from data available in the log file, so it doesn't include original revenue and has no record of failed transactions.

Available base formats are as follows: SRTCOMMA20L, SRTCOMMA20L-P, SRTCOMMA20LD, EZLOGCUST, EZLOGCUSTPTS

2.4.5.2 Report Format and Sample

<table>
<tr><th colspan="2">Customsort utility Report Format</th></tr>
<tr><td>Extension</td><td>.csv, .xls</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td>Sample Data</td><td>Definitions
<table>
<tr><th>Token</th><th>Description</th></tr>
<tr><td>OUTPUT_FILENAME_FORMAT</td><td>Format to be used for output / reports</td></tr>
<tr><td>BASE</td><td>The base format to be used.</td></tr>
<tr><td>OPTION</td><td>User supplied option.</td></tr>
<tr><td>ALGORITHM</td><td>Algorithm for calculating net taxable sale amount.</td></tr>
<tr><td>CALCULATED_VALUE_PRECISION</td><td>Precision to be used in reports for calculated floating point.</td></tr>
<tr><td>DEFAULT_EXT</td><td>Precision to be used in reports for calculated floating point.</td></tr>
<tr><td>DATA_DIR</td><td>Directory specify where the EZtax data resides.</td></tr>
<tr><td>WORKING_DIR</td><td>Working directory for custom sort.</td></tr>
<tr><td>*OptionalField1</td><td rowspan="10">Additional Extended Optional fields in which column headers are defined by the user upon creation of each one. Please note these additional optional columns only apply to AFC SaaS Pro.</td></tr>
<tr><td>*OptionalField2</td></tr>
<tr><td>*OptionalField3</td></tr>
<tr><td>*OptionalField4</td></tr>
<tr><td>*OptionalField5</td></tr>
<tr><td>*OptionalField6</td></tr>
<tr><td>*OptionalField7</td></tr>
<tr><td>*OptionalField8</td></tr>
<tr><td>*OptionalField9</td></tr>
<tr><td>*OptionalField10</td></tr>
</table>
*Note: AFC SaaS Pro clients will have to add the columns to the report and the new column header names will appear in the report after they have been renamed by the user. These additional optional columns are not available for AFC SaaS Standard or AFC On Prem clients.</td></tr>
</table>

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Configuration File Sample - srtcomma20l

```
////////////////////////////////////////////////////////////////////////////////
////  base_srtcomma20l.cfg  ////
OUTPUT_FILENAME_FORMAT: EZtax_{%y%m%d}
BASE: srtcomma20l
OPTION: NBA_FILE
OPTION: NCA_FILE
OPTION: NO_DELETE_LOG
OPTION: NO_HEADER
CALCULATED_VALUE_PRECISION: 6
DEFAULT_EXT: ssf
DELIMITER: ','
DATA_DIR: C:\BillSoft\EZTax\Data
WORKING_DIR: E:\Logs\customsort
```

Configuration File Sample - srtcomma20l-p

```
////////////////////////////////////////////////////////////////////////////////
////  base_srtcomma20l_p.cfg  ////
OUTPUT_FILENAME_FORMAT: EZtax_{%y%m%d}
BASE: srtcomma20l-p
OPTION: NBA_FILE
OPTION: NCA_FILE
OPTION: NO_DELETE_LOG
OPTION: NO_HEADER
CALCULATED_VALUE_PRECISION: 6
DEFAULT_EXT: ssf
DELIMITER: ','
DATA_DIR: C:\BillSoft\EZTax\Data
WORKING_DIR: E:\Logs\customsort
```

Configuration File Sample - srtcomma20ld

```
////////////////////////////////////////////////////////////////////////////////
OUTPUT_FILENAME_FORMAT: EZtax_{%y%m%d}
BASE: srtcomma20ld
OPTION: NBA_FILE
OPTION: NCA_FILE
OPTION: NO_DELETE_LOG
OPTION: NO_HEADER
CALCULATED_VALUE_PRECISION: 6
DEFAULT_EXT: ssf
DELIMITER: ','
DATA_DIR: C:\BillSoft\EZTax\Data
WORKING_DIR: E:\Logs\customsort
```

Configuration File Sample - ezlogcust

```
////////////////////////////////////////////////////////////////////////////////
OUTPUT_FILENAME_FORMAT: EZtax_{%y%m%d}
BASE: ezlogcust
OPTION: NBA_FILE
OPTION: NCA_FILE
OPTION: NO_DELETE_LOG
OPTION: NO_HEADER
CALCULATED_VALUE_PRECISION: 6
DEFAULT_EXT: rpt
DELIMITER: ','
DATA_DIR: C:\BillSoft\EZTax\Data
WORKING_DIR: E:\Logs\customsort
```

Configuration File Sample - ezlogcustpts

```
////////////////////////////////////////////////////////////////////////////////
OUTPUT_FILENAME_FORMAT: EZtax_{%y%m%d}
BASE: ezlogcustpts
OPTION: NBA_FILE
OPTION: NCA_FILE
OPTION: NO_DELETE_LOG
OPTION: NO_HEADER
CALCULATED_VALUE_PRECISION: 6
DEFAULT_EXT: rpt
DELIMITER: ','
DATA_DIR: C:\BillSoft\EZTax\Data
WORKING_DIR: E:\Logs\customsort
```


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Custom Sort (Full Example)

Configuration File Sample

```
////////////////////////////////////////////////////////////////////////////////
////  ext_srtcomma20l.cfg  ////
OUTPUT_FILENAME_FORMAT: EZtax_{%y%m%d}
BASE: srtcomma20l
FIELD: P_CODE
FIELD: CUST_NO
FIELD: INV_NO
OPTION: NBA_FILE
OPTION: NCA_FILE
OPTION: NO_DELETE_LOG
OPTION: HEADER
CALCULATED_VALUE_PRECISION: 6
DEFAULT_EXT: csv
DELIMITER: ','
```

Sample Input File

Request Type	Date	BillTo Country ISO	BillTo State	BillTo County	BillTo Locality	BillTo ZipCode	Charge	Transaction Type	Service Type	Customer Number	Invoice Number
CalcTaxes	20160315	USA	FL	Brevard	Cocoa Beach	32931	50	19	6	Customer 1	987654
CalcTaxes	20160315	USA	FL	Brevard	Cocoa Beach	32931	15	19	50	Customer 1	123456
CalcTaxes	20160315	USA	CA	San Francisco	San Francisco	94102	50	13	6	Customer 2	4567890
CalcTaxes	20160315	USA	CA	San Francisco	San Francisco	94102	15	13	50	Customer 2	4567890
CalcTaxes	20160315	USA	NY	New York	New York	10001	50	16	6	Customer 3	1234
CalcTaxes	20160315	USA	NY	New York	New York	10001	25	16	36	Customer 3	5678

Sample Output Files

EZtax_160405.rpt

```
Custom Sort Processing Metrics
-------------------------------------------------------------------------------
  Start Time : Tue Apr 05 10:53:57 2016
  End Time   : Tue Apr 05 10:53:57 2016

Taxes Input Metrics
-------------------------------------------------------------------------------
  Records: 22  File: C:\BILLSOFTONLINE\KML\KML\EZTax\EZTax.log

Taxes Output Metrics
-------------------------------------------------------------------------------
  Summarized Records       :    19  File: EZtax_160405_ssf.csv
  Non-billable Records     :     3  File: EZtax_160405_nba.csv
  Non-compliance Records   :     0  File: EZtax_160405_nca.csv
  Total Summarized Records :    22
-------------------------------------------------------------------------------
End of Report
```

EZtax_160405_nca.csv

Country	State	County	Locality	TaxType	TaxLvl	TaxRate	TaxAmount	SaleAmt	ExemptAmt	AdjustmentAmt	NetTaxable	Minutes	Lines	PCode	CustNo	InvoiceNo

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EZtax_160405_nba.csv

Country	State	County	Locality	TaxType	TaxLvl	TaxRate	TaxAmount	SaleAmt	ExemptAmt	AdjustmentAmt	NetTaxable	Minutes	Lines	PCode	CustNo	InvoiceNo
USA				232	0	0.01635	0.303293	50	31.45	0	18.55	0	0	0	Customer 2	4567890
USA				235	0	0.01635	0.159167	15	5.265	0	9.735	0	0	0	Customer 1	123456
USA				235	0	0.01635	0.530558	50	17.55	0	32.45	0	0	0	Customer 1	987654

EZtax_160405_ssf.csv

Country	State	County	Locality	TaxType	TaxLvl	TaxRate	TaxAmount	SaleAmt	ExemptAmt	AdjustmentAmt	NetTaxable	Minutes	Lines	PCode	CustNo	InvoiceNo
USA				55	0	0.182	3.3761	50	31.45	0	18.55	0	0	0	Customer 2	4567890
USA				72	0	0.08	0.08	50	0	0	50	0	0	0	Customer 3	1234
USA				162	0	0.182	1.77177	15	5.265	0	9.735	0	0	0	Customer 1	123456
USA				162	0	0.182	5.9059	50	17.55	0	32.45	0	0	0	Customer 1	987654
USA				170	0	0.014167	0.014167	50	0	0	50	0	0	0	Customer 2	4567890
USA				226	0	0.00331	0.032223	15	5.265	0	9.735	0	0	0	Customer 1	123456
USA				226	0	0.00331	0.10741	50	17.55	0	32.45	0	0	0	Customer 1	987654
USA	FL	BREVARD		64	1	0.0492	0	15	15	0	0	0	0	539600	Customer 1	123456
USA	FL	BREVARD		64	1	0.0492	0	50	50	0	0	0	0	539600	Customer 1	987654
USA	FL	BREVARD	COCOA BEACH	14	1	0.0237	0.398255	16.803993	0	0	16.803993	0	0	540000	Customer 1	123456
USA	FL	BREVARD	COCOA BEACH	14	1	0.0237	1.327515	56.013309	0	0	56.013309	0	0	540000	Customer 1	987654
USA	FL	BREVARD	COCOA BEACH	64	3	0.0552	0	15	15	0	0	0	0	540000	Customer 1	123456
USA	FL	BREVARD	COCOA BEACH	64	3	0.0552	0	50	50	0	0	0	0	540000	Customer 1	987654
USA	FL	BREVARD	COCOA BEACH	160	1	0.0015	0.025206	16.803993	0	0	16.803993	0	0	540000	Customer 1	123456
USA	FL	BREVARD	COCOA BEACH	160	1	0.0015	0.08402	56.013309	0	0	56.013309	0	0	540000	Customer 1	987654
USA	NY			180	1	0.000975	0.048828	50.08	0	0	50.08	0	0	2502500	Customer 3	1234
USA	NY			180	1	0.000975	0.024375	25	0	0	25	0	0	2502500	Customer 3	5678
USA	NY	NEW YORK	NEW YORK	73	3	0.049025	2.58154	52.657618	0	0	52.657618	0	0	2604100	Customer 3	1234
USA	NY	NEW YORK	NEW YORK	73	3	0.049025	1.288809	26.288809	0	0	26.288809	0	0	2604100	Customer 3	5678

2.4.5.3 Availability of Reports

This report is generated by the customsort Utility. Please reference the table below for additional details regarding availability of reports by product.

customsort Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard			✓	Report zip file	Can request one extra report by using any of this utility/format. Report will be generated for every batch of transactions as requested. This report will be available soon for SaaS clients in specific base formats.
AFC SaaS Pro			✓	Emailed in zip file if requested.	Can request one extra report with each API call by using any of this utility/format. The report will be generated monthly as requested. This report will be available soon for SaaS clients in specific base formats.

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2.4.6 STRG Utility, (Outputfilename.ext)

2.4.6.1 Description

Fixed Length outputfilename.ssf file for tax compliance filing.

Sorted and condensed by PCode, Tax Type, Tax Level, Tax Rate

2.4.6.2 Report Format and Sample Data

STRG Utility Report Format and Sample Data

Extension	.ssf
File Format	Comma Delimited
Sample Data	**Column Headers**
	PCode, Tax Type, Tax Level, Tax Rate, Tax Amount Sign, Tax Amount, File Record Length
	Definitions for STRG SSF File Format Key

Column Name	Description	Length	Positions
PCode	PCode for taxing jurisdiction	9	1-9
Tax Type	Tax type identifier.	6	10-15
Tax Level	Tax level identifier.	1	16
Tax Rate	Rate for tax.	8	17-24
Tax Amount Sign		1	25
Tax Amount		11.5	26-36
File Record Length		36	

Sample

```
0         1         2         3
1.23457E+35
------------------------------------------------------------
00000000000000006000003000+00098418707
00000000000000007000000580+00018387113
00000000000000018000003180+00081599822
00000000000000031000000039+00001000752
```

2.4.6.3 Availability of Report

This report is generated by the STRG Utility. Please reference the table below for additional details regarding availability of reports by product.

STRG Utility Report Availability

Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.

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STRG Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

2.4.7 Ezlogns Utility, Comma delimited log.ext,

2.4.7.1 Description

Generates a comma-delimited file for customer billing. Sorting and reporting is done at the customer level. Sorted and condensed by Customer Number, PCode, Tax Type, Tax Level, Tax Rate, Calculation Type.

2.4.7.2 Report Format and Sample Data

Ezlog ns Utility Report Format and Sample Data	
Extension	.rpt
File Format	Comma Delimited
Sample Data	Column Headers
	Country, State, County, Locality,, Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes
	Definitions for Ezlog ns

Column Name	Description	Sample Data
Country	Three-character country code for taxing jurisdiction.	USA
State	State abbreviation for taxing jurisdiction.	6
County	County name for taxing jurisdiction.	
Locality	Locality name for taxing jurisdiction.	
Tax Type	Tax type identifier.	6
Tax Level	Tax level identifier.	0
Tax Rate	Rate for tax.	o.030000
Tax Amount	Tax amount.	29881.866905
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.	996062.252444
Exempt	Exempt sale amount from tax record.	0
Adjustments	Adjustment calculation	0
Taxable Measure	Taxable measure used for calculating the tax.	996062.252444
Minutes		14859213

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2.4.7.3 Availability of Report

This report is generated by the Ezlogns Utility. Please reference the table below for additional details regarding availability of reports by product.

EZlog ns Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

2.4.8 Ezlogcust Utility, Comma delimited log.ext

2.4.8.1 Description

Same as Ezlogns plus Lines, Locations and Customer number

2.4.8.2 Report Format and Sample Data

Ezlogcust Utility Report Format and Sample Data	
Extension	.rpt
File Format	Comma Delimited
Sample Data	Column Headers
	Country, State, County, Locality,, Tax Type, Tax Level, Tax Rate, Calculation Type, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Lines, Locations, Customer Number
	Definitions for Ezlogcust

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Column Name	Description
Country	Three-character country code for taxing jurisdiction.
State	State abbreviation for taxing jurisdiction.
County	County name for taxing jurisdiction.
Locality	Locality name for taxing jurisdiction.
Tax Type	Tax type identifier.
Tax Level	Tax level identifier.
Tax Rate	Rate for tax.
Calculation Type	Calculation type for tax.
Tax Amount	Tax amount
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of lines used for calculating the tax in per-line taxes.
Lines	Number of locations
Locations	Number of minutes used for calculating the tax in per-minute taxes.
Customer Number	Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.

Sample

USA, , , , 6, 0, 0.030000, RATE, 0.892576, 29.752527, 0.000000, 0.000000, 29.752527, 0.000000, 1, 1, 2143278889
USA, TX, , , 9, 1, 0.001670, RATE, 0.049687, 29.752527, 0.000000, 0.000000, 29.752527, 0.000000, 1, 0, 2143278889
USA, TX, , , 13, 1, 0.036000, RATE, 1.035438, 28.762179, 0.000000, 0.000000, 28.762179, 0.000000, 1, 0, 2143278889
USA, TX, , , 26, 1, 0.012500, RATE, 0.367089, 29.367090, 0.000000, 0.000000, 29.367090, 0.000000, 1, 0, 2143278889
USA, TX, DALLAS, DALLAS, 1, 1, 0.062500, RATE, 1.863693, 29.819089, 0.000000, 0.000000, 29.819089, 0.000000, 1, 0, 2143278889
USA, TX, DALLAS, DALLAS, 1, 3, 0.010000, RATE, 0.298022, 29.802214, 0.000000, 0.000000, 29.802214, 0.000000, 1, 0, 2143278889
USA, TX, DALLAS, DALLAS, 4, 3, 0.010000, RATE, 0.283838, 28.383766, 0.000000, 0.000000, 28.383766, 0.000000, 0, 0, 2143278889
USA, TX, DALLAS, DALLAS, 10, 3, 0.620000, PER_LINE, 0.620000, 0.000000, 0.000000, 0.000000, 0.000000, 0.000000, 1, 0, 2143278889
USA, TX, DALLAS, DALLAS, 51, 3, 1.350000, PER_LINE, 1.350000, 0.000000, 0.000000, 0.000000, 0.000000, 0.000000, 1, 0, 2143278889
USA, , , , 6, 0, 0.030000, RATE, 0.210216, 7.007192, 0.000000, 0.000000, 7.007192, 5.100000, 0, 0, 2143278889B

2.4.8.3 Availability of Report

This report is generated by the Ezlogcust Utility. Please reference the table below for additional details regarding availability of reports by product.

EZlogcust Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

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2.4.9 Ezlogcustios Utility, Comma delimited log.ext

2.4.9.1 Description

Same as Ezlogcust plus includes Invoice Number, Optional, Service Level Number

2.4.9.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Ezlogcustios Utility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.rpt</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td rowspan="4">Sample Data</td><td>Column Headers</td></tr>
<tr><td>Invoice Numeber, Optional, Service Level Number, Country, State, County, Locality, Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Customer Number</td></tr>
<tr><td>Definitions for Ezlogcustios</td></tr>
<tr><td>
<table>
<tr><th>Column Name</th><th>Decription</th></tr>
<tr><td>Invoice Number</td><td>Input entered in the InvoiceNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Optional</td><td>Input entered in the Optional field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Service Level Number</td><td>Input entered in the ServiceLevelNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Country</td><td>Three-character country code for taxing jurisdiction.</td></tr>
<tr><td>State</td><td>State abbreviation for taxing jurisdiction.</td></tr>
<tr><td>County</td><td>County name for taxing jurisdiction.</td></tr>
<tr><td>Locality</td><td>Locality name for taxing jurisdiction.</td></tr>
<tr><td>Tax Type</td><td>Tax type identifier.</td></tr>
<tr><td>Tax Level</td><td>Tax level identifier.</td></tr>
<tr><td>Tax Rate</td><td>Rate for tax.</td></tr>
<tr><td>Tax Amount</td><td>Tax amount</td></tr>
<tr><td>Gross Sale</td><td>Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.</td></tr>
<tr><td>Exempt</td><td>Exempt sale amount from tax record.</td></tr>
<tr><td>Adjustments</td><td>Numeric</td></tr>
<tr><td>Taxable Measure</td><td>Taxable measure used for calculating the tax.</td></tr>
<tr><td>Minutes</td><td>Number of lines used for calculating the tax in per-line taxes.</td></tr>
<tr><td>Customer Number</td><td>Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
</table>
</td></tr>
<tr><td>Sample</td></tr>
<tr><td colspan="2">6, 8, 7, USA, AL, AUTAUGA, AUTAUGAVILLE, 1, 1, 0.040000, RATE, 0.720000, 18.000000, 0.000000, 0.000000, 18.000000, 275.940002, 54, 18, BillSoft Inc.
6, 8, 7, USA, AL, AUTAUGA, JONES, 1, 2, 0.020000, RATE, 0.320000, 16.000000, 0.000000, 0.000000, 16.000000, 245.280014, 48, 16, BillSoft Inc.
6, 8, 7, USA, AL, AUTAUGA, PRATTVILLE, 1, 3, 0.025000, RATE, 0.050000, 2.000000, 0.000000, 0.000000, 2.000000, 30.660000, 6, 2, BillSoft Inc.
6, 8, 7, USA, AL, AUTAUGA, AUTAUGAVILLE, 1, 3, 0.030000, RATE, 0.060000, 2.000000, 0.000000, 0.000000, 2.000000, 30.660000, 6, 2, BillSoft Inc.
6, 8, 7, USA, , , , 6, 0, 0.030000, RATE, 14.312928, 477.097605, 0.000000, 0.000000, 477.097605, 5825.416504, 1140, 380, BillSoft Inc.
6, 8, 7, USA, AL, , , 8, 1, 0.060000, RATE, 2.200486, 36.674766, 0.000000, 0.000000, 36.674766, 551.879822, 108, 36, BillSoft Inc.</td></tr>
</table>

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	6, 8, 7, USA, AL, BALDWIN, , 10, 2, 0.690000, PER_LINE, 4.140000, 2.000000, 0.000000, 0.000000, 2.000000, 30.660000, 6, 2, BillSoft Inc.

2.4.9.3 Availability of Report

This report is generated by the EZlogcustios Utility. Please reference the table below for additional details regarding availability of reports by product.

EZlogcustios Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

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2.4.10 Ezlogcustpts Utility, Comma delimited log.ext

2.4.10.1 Description

Same as Ezlogcust plus includes Pcode, Transaction type and Service Type

2.4.10.2 Report Format and Sample Data

<table>
<tr><th colspan="2">EzlogcustptsUtility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.rpt</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td>Sample Data</td><td>
Column Headers
PCode, Optional, Service Level Number, Country, State, County, Locality,Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Customer Number
Definitions for Ezlogcustpts
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>PCode</td><td>PCode for taxing jurisdiction</td></tr>
<tr><td>Optional</td><td>Input entered in the Optional field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Service Level Number</td><td>Input entered in the ServiceLevelNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Country</td><td>Three-character country code for taxing jurisdiction.</td></tr>
<tr><td>State</td><td>State abbreviation for taxing jurisdiction.</td></tr>
<tr><td>County</td><td>County name for taxing jurisdiction.</td></tr>
<tr><td>Locality</td><td>Locality name for taxing jurisdiction.</td></tr>
<tr><td>Tax Type</td><td>Tax type identifier.</td></tr>
<tr><td>Tax Level</td><td>Tax level identifier.</td></tr>
<tr><td>Tax Rate</td><td>Rate for tax.</td></tr>
<tr><td>Tax Amount</td><td>Tax amount</td></tr>
<tr><td>Gross Sale</td><td>Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.</td></tr>
<tr><td>Exempt</td><td>Exempt sale amount from tax record.</td></tr>
<tr><td>Adjustments</td><td>Adjustment calculation.</td></tr>
<tr><td>Taxable Measure</td><td>Taxable measure used for calculating the tax.</td></tr>
<tr><td>Minutes</td><td>Number of lines used for calculating the tax in per-line taxes.</td></tr>
<tr><td>Customer Number</td><td>Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
</table>
Sample
0, 1, 1, USA,,,, 6, 0, 0.030000, 0.128824, 4.294140, 0.000000, 0.000000, 4.294140, 61.320000, BillSoft, Inc.
0, 1, 1, USA,,,, 18, 0, 0.072805, 0.291220, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 1, USA,,,, 31, 0, 0.000730, 0.002920, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 2, USA,,,, 6, 0, 0.030000, 0.128824, 4.294140, 0.000000, 0.000000, 4.294140, 61.320000, BillSoft, Inc.
0, 1, 2, USA,,,, 18, 0, 0.072805, 0.291220, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 2, USA,,,, 31, 0, 0.000730, 0.002920, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 3, USA,,,, 6, 0, 0.030000, 0.128824, 4.294140, 0.000000, 0.000000, 4.294140, 61.320000, BillSoft, Inc.
0, 1, 3, USA,,,, 18, 0, 0.072805, 0.291220, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 3, USA,,,, 31, 0, 0.000730, 0.002920, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 4, USA,,,, 18, 0, 0.072805, 0.291220, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 1, 4, USA,,,, 31, 0, 0.000730, 0.002920, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
0, 2, 1, USA,,,, 6, 0, 0.030000, 0.120000, 4.000000, 0.000000, 0.000000, 4.000000, 61.320000, BillSoft, Inc.
</td></tr>
</table>

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2.4.10.3 Availability of Report

This report is generated by the Ezlogcustpts Utility.

EZlogcustpts Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

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2.4.11 Ezlogcustptslnl Utility, Comma delimited log.ext

2.4.11.1 Description

Same as Ezlogcustpts plus the number of lines and locations are also included.

2.4.11.2 Report Format and Sample Data

<table>
<tr><th colspan="2">Ezlogcustptslnl Utility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td>.rpt</td></tr>
<tr><td>File Format</td><td>Comma Delimited</td></tr>
<tr><td rowspan="3">Sample Data</td><td>Column Headers</td></tr>
<tr><td>PCode, Optional, Service Level Number, Country, State, County, Locality,Tax Type, Tax Level, Tax Rate, Tax Amount, Gross Sale, Exempt, Adjustments, Taxable Measure, Minutes, Lines, Location</td></tr>
<tr><td>Definitions for Ezlogcustptslnl</td></tr>
</table>

Column Name	Description
PCode	PCode for taxing jurisdiction
Optional	Input entered in the Optional field of the TelecomTransaction or SalesUseTansaction.
Service Level Number	Service ID used in the input transaction or derived out of the bundle if a bundle transaction was used.
Country	Three-character country code for taxing jurisdiction.
State	State abbreviation for taxing jurisdiction.
County	County name for taxing jurisdiction.
Locality	Locality name for taxing jurisdiction.
Tax Type	Tax type identifier.
Tax Level	Tax level identifier.
Tax Rate	Rate for tax.
Tax Amount	Tax amount
Gross Sale	Gross sale amount. This field is used for srtcomma20ld and srtcommadetail reports.
Exempt	Exempt sale amount from tax record.
Adjustments	Adjustment calculation
Taxable Measure	Taxable measure used for calculating the tax.
Minutes	Number of lines used for calculating the tax in per-line taxes.
Customer Number	Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.
Lines	Number of lines used for calculating the tax in per-line taxes.
Location	Number of locations

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	Sample
	0, 0, 0, USA, , , , 6, 0, 0.030000, 2.462930, 82.097663, 0.000000, 0.000000, 82.097663, 0.000000, BillSoft, Inc. , 6, 2 0, 0, 0, USA, , , , 18, 0, 0.089000, 1.157000, 13.000000, 0.000000, 0.000000, 13.000000, 0.000000, BillSoft, Inc. , 0, 0 0, 0, 0, USA, , , , 31, 0, 0.000000, 0.000000, 13.000000, 13.000000, 0.000000, 0.000000, 0.000000, BillSoft, Inc. , 0, 0 1210800, 0, 0, USA, KS, , , 13, 1, 0.048700, 1.458565, 29.949999, 0.000000, 0.000000, 29.949999, 0.000000, BillSoft, Inc. , 0, 0 1284800, 0, 0, USA, KS, SALINE, , 10, 2, 0.750000, 2.250000, 0.000000, 0.000000, 0.000000, 0.000000, 0.000000, BillSoft, Inc. , 3, 0 1284900, 0, 0, USA, KS, SALINE, SALINA, 1, 1, 0.053000, 2.039814, 38.487064, 0.000000, 0.000000, 38.487064, 0.000000, BillSoft, Inc. , 0, 0 1284900, 0, 0, USA, KS, SALINE, SALINA, 1, 2, 0.010000, 0.384871, 38.487064, 0.000000, 0.000000, 38.487064, 0.000000, BillSoft, Inc. , 0, 0 1284900, 0, 0, USA, KS, SALINE, SALINA, 1, 3, 0.007500, 0.288653, 38.487064, 0.000000, 0.000000, 38.487064, 0.000000, BillSoft, Inc. , 0, 0 2502500, 0, 0, USA, NY, , , 5, 1, 0.025000, 0.925712, 37.028499, 0.000000, 0.000000, 37.028499, 0.000000, BillSoft, Inc. , 0, 0 2502500, 0, 0, USA, NY, , , 45, 1, 0.003750, 0.138857, 37.028499, 0.000000, 0.000000, 37.028499, 0.000000, BillSoft, Inc. , 0, 0 2604000, 0, 0, USA, NY, NEW YORK, , 10, 2, 1.000000, 3.000000, 0.000000, 0.000000, 0.000000, 0.000000, 0.000000, BillSoft, Inc. , 3, 0

2.4.11.3 Availability of Report

This report is generated by the Ezlogcustptslnl Utility. Please reference the table below for additional details regarding availability of reports by product.

EZlogcustptslnl Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard					This report is currently not available.
AFC SaaS Pro					This report is currently not available.

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2.4.12 Srtcdf20 and srtcdf20p, Outputfile.ext,

2.4.12.1 Description

Same as srtcomma20 but in CDF format.

2.4.12.2 Report Format and Sample Data

Srtcdf20 and srtcdf20p Utility Report Format and Sample Data

Extension	.ssf, .csf
File Format	Fixed Length
Sample Data	**Column Headers**

PCode, ,Tax Type, Tax Level, Tax Rate, Tax Amount Sign, Tax Amount, File Record Length

Customer Number, TaxType, Tax Level, Tax Amount Sign, Tax Amount, File Record Length

Definitions for Srtcdf20 and srtcdf20p

Column Name	Description	Length	Positions
PCode	PCode for taxing jurisdiction.	9	1-9
Tax Type	Tax type identifier.	6	10-15
Tax Level	Tax level identifier.	1	16
Tax Rate	Rate for tax.	8.5	17-24
Tax Amount Sign	Numeric	1	25
Tax Amount	Tax amount	11.5	26-36
File Record Length		36	

Column Name	Description	Length	Positions
Customer Number	Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.	9	1-9
Tax Type	Tax type identifier.	6	21-26
Tax Level	Tax level identifier.	1	27
Tax Amount Sign	Numeric	12	28-39
Tax Amount	Tax Amount	50	40-69
File Record Length		39 or 89	

Sample

```
0          1          2          3
1234567890123456….
------------------------------------------------------------
000000000000006000003000+00098418707
000000000000007000000580+00018387113
000000000000018000003180+00081599822
000000000000031000000039+00001000752
```


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2.4.12.3 Availability of Report

This report is generated by the Srtcdf20 and srtcdf20p Utility. Please reference the table below for additional details regarding availability of reports by product.

Srtcdf20 and srtcdf20p Utility Report Availability					
Product	Generated by Default?	Received by Default?	Available Upon Request?	Location	Note
AFC License			✓	Working Directory	The referenced utility can be used to generate this report.
AFC SaaS Standard			✓	Report zip file	CDF users or clients may request reports in this format.
AFC SaaS Pro					This report is currently not available.

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2.5 Other Reports

2.5.1 Output_ASCIILOG.ext

2.5.1.1 Description

This report deposits the contents of the logfilename.log to an ASCII version of the log file.

2.5.1.2 Report Format and Sample Data

<table>
<tr><th colspan="3">ASCIILog Utility Report Format and Sample Data</th></tr>
<tr><td>Extension</td><td colspan="2">.csv</td></tr>
<tr><td>File Format</td><td colspan="2">Comma Delimited</td></tr>
<tr><td rowspan="3">Sample Data</td><td colspan="2">Column Headers</td></tr>
<tr><td colspan="2">Country, State, County, City, Tax Type, Tax Level, Tax Rate, Tax Amount, Charges, Exemptions, Adjustments, Net Sales, Minutes, Invoice Number, Service Level Number, Optional, Lines, Locations, Calculation Type, Customer Number</td></tr>
<tr><td colspan="2">Definitions for ASCIILog</td></tr>
<tr><td></td><td colspan="2">
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Country</td><td>Three-character country code for taxing jurisdiction.</td></tr>
<tr><td>State</td><td>State abbreviation for taxing jurisdiction.</td></tr>
<tr><td>County</td><td>County name for taxing jurisdiction.</td></tr>
<tr><td>City</td><td>City name for taxing jurisdiction.</td></tr>
<tr><td>Tax Type</td><td>Tax type identifier.</td></tr>
<tr><td>Tax Level</td><td>Tax level identifier.</td></tr>
<tr><td>Tax Rate</td><td>Rate for tax.</td></tr>
<tr><td>Tax Amount</td><td>Tax amount</td></tr>
<tr><td>Charges</td><td>Amount charged.</td></tr>
<tr><td>Exemptions</td><td>Input entered in the ExemptionType field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Adjustments</td><td>Adjustment calculation</td></tr>
<tr><td>Net Sales</td><td>Net sale amount. This field is used for srtcomma20ld and srtcommadetail reports.</td></tr>
<tr><td>Minutes</td><td>Number of minutes used for calculating the tax in per-minute taxes.</td></tr>
<tr><td>Invoice Number</td><td>Input entered in the InvoiceNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Service Level Number</td><td>Input entered in the ServiceLevelNumber field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Optional</td><td>Input entered in the Optional field of the TelecomTransaction or SalesUseTansaction.</td></tr>
<tr><td>Lines</td><td>Number of lines used for calculating the tax in per-line taxes.</td></tr>
<tr><td>Locations</td><td>Number of locations.</td></tr>
<tr><td>Calculation Type</td><td>Calculation type for tax.</td></tr>
</table>
</td></tr>
</table>

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		Customer Number	Input entered in the CustomerNumber field of the TelecomTransaction or SalesUseTansaction.
	Sample		
	USA, PA, , , 9, 1, 0.002662, 0.851840, 320.000000, 0.000000, 0.000000, 320.000000, 0.000000, 0, 0, 0, 0, 0, RATE, 93368917:1608205 USA, PA, BERKS, KEMPTON, 14, 1, 0.050000, 46.583018, 931.660350, 0.000000, 0.000000, 931.660350, 240.000000, 0, 0, 0, 0, 0, RATE, 93368917:1608206 USA, CA, , , 10, 1, 0.007200, 4.317632, 599.671134, 0.000000, 0.000000, 599.671134, 240.000000, 0, 0, 0, 0, 0, RATE, 93368917:1608204 USA, PA, BERKS, KEMPTON, 1, 1, 0.060000, 55.899620, 931.660350, 0.000000, 0.000000, 931.660350, 240.000000, 0, 0, 0, 0, 0, RATE, 93368917:1608206		

2.5.1.3 Availability of Reports

This report is generated by the ASCIILog Utility. Please reference the table below for additional details regarding availability of reports by product.

ASCIILog Utility Report Availability					
Product	**Generated by Default?**	**Received by Default?**	**Available Upon Request?**	**Location**	**Note**
AFC License			✓	Working Directory	This report can be created by using the ASCIILog utility.
AFC SaaS Standard			✓	Report zip file	This report is not currently generated by default; however, it can be set to generate by default if needed. Currently, it is included at the request of the customer. Please note this report is not recommended for larger clients.
AFC SaaS Pro			✓	Emailed	This report is currently not available; however, the Detail Log report is available to SaaS Pro clients and is considered equivalent in content.

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3. File Descriptions

3.1 Tax Type Files

3.1.1 tax_type.exp

3.1.1.1 Description

Tax types are used by AFC to identify the specific tax to which the tax liability applies. With the large number of taxes that exist in the telecommunications world, having the tax identified along with the description, category and reference helps both in billing / customer service and in compliance filing.

The numeric tax type value is also used for specified exemptions and in Rate and Logic overrides. The tax category is used for grouping taxes and for category based exemptions.

Refer to **Section 4.3.5 Tax Types** in the **AFC User Manual** for more detailed information on tax types.

3.1.1.2 File Format and Sample

Tax_Type.exp File Format and Sample Data

File Name	tax_type.exp
File Format	tab delimited
Sample Data	**Sample**

Column Name	Description
TAX_TYPE	Numeric identifier for the tax
Description	Description of the tax
Reference	Reference to the high level application of the tax.

Reference	DESCRIPTION
1	Telecom Tax
2	Sales and Use Tax
3	Both Telecom and Sales and Use Tax

TAX_CAT_ID	Tax Category identifier

TAX_CAT_ID	DESCRIPTION
0	NO CATEGORY DESCRIPTION
1	SALES AND USE TAXES
2	BUSINESS TAXES
3	GROSS RECEIPTS TAXES
4	EXCISE TAXES
5	CONNECTIVITY CHARGES
6	REGULATORY CHARGES
7	E-911 CHARGES

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		8	UTILITY USER TAXES
		9	RIGHT OF WAY FEES
		10	COMMUNICATIONS SERVICES TAX
		11	CABLE REGULATORY FEES
		12	RESERVED
		13	VALUE ADDED TAXES

3.1.1.3 File Availability and Location

tax_type.exp File Availability and Location		
Product	**Platform/Package**	**Location in Installation/Download Package**
AFC License	Unix	**tax_type.exp** is at root level in package All other files are in the **db** subdirectory
	Windows	All files are in the **txt** subdirectory
	AS/400	**tax_type.exp** is at root level in package All other files are located in **/eztax_db9**. This is at the root of the Integrated File System (IFS). It is copied to the EZTAX_DB9 installation library. all_adr.txt - ALL_ADR The name on the left is the text file name. The name on the right is the physical file name.
AFC SaaS Standard	EZTaxWS_Std_docs_v9_1603.zip	All files are in the **txt** subdirectory
AFC SaaS Pro	EZTaxWS_docs_v9_YYMM.zip EZTaxWS_sau_docs_v9_YYMM.zip	All files are in the **txt** subdirectory

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3.2 Zip Address to PCode Cross Reference Files

3.2.1 all_adr.txt

3.2.1.1 Description

The address to PCode cross-reference file has all jurisdictions recognized by AFC listed along with the corresponding PCode.

The Zip Begin and Zip End has different meaning depending on the jurisdiction level.

- Country Level: Zip Begin/End represent the ID for the country. Refer to {Appendix A} for more information on country codes.
- State/Province Level: Zip Begin/End represent the ID for the state/province.
- County Level: Zip Begin/End represent the ID for the county.
- City Level: Zip Begin/End represent the 5 digit (USA) or 6 digit Canadian zip code range for that City.

3.2.1.2 File Format and Sample

<table>
<tr><th colspan="2">all_adr.txt File Format and Sample</th></tr>
<tr><td>File Name</td><td>all_adr.txt</td></tr>
<tr><td>File Format</td><td>Comma delimited</td></tr>
<tr><td>Sample Data</td><td>Sample
<table>
<tr><th>Column</th><th>Description</th></tr>
<tr><td>PCode</td><td>Numeric persisted code for tax jurisdiction</td></tr>
<tr><td>Alternate</td><td>Flag indicating if the address is an alternate address
<table>
<tr><th>Alternate</th><th>DESCRIPTION</th></tr>
<tr><td>0</td><td>Primary Tax Jurisdiction</td></tr>
<tr><td>1</td><td>Alternate Tax Jurisdiction</td></tr>
</table></td></tr>
<tr><td>Country</td><td>Country ISO (3 bytes)</td></tr>
<tr><td>State</td><td>State Abbreviation (2 bytes)</td></tr>
<tr><td>County</td><td>County Name</td></tr>
<tr><td>City</td><td>City or Locality Name</td></tr>
<tr><td>Zip Begin</td><td>Start of the zip code range</td></tr>
<tr><td>Zip End</td><td>End of the zip code range</td></tr>
</table></td></tr>
</table>

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3.2.1.3 File Availability and Location

all_adr.txt File Availability and Location		
Product	**Platform/Package**	**Location in Installation/Download Package**
AFC License	Unix	**all_adr.txt** is in the **db** subdirectory
	Windows	All files are in the **txt** subdirectory
	AS/400	**all_adr.txt** is located in **/eztax_db9**. This is at the root of the Integrated File System (IFS). It is copied to the EZTAX_DB9 installation library as: all_adr.txt - ALL_ADR The name on the left is the text file name. The name on the right is the physical file name.
AFC SaaS Standard	EZTaxWS_Std_docs_v9_1603.zip	All files are in the **txt** subdirectory
AFC SaaS Pro	EZTaxWS_docs_v9_YYMM.zip EZTaxWS_sau_docs_v9_YYMM.zip	All files are in the **txt** subdirectory

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3.3 Calculation Type Files

3.3.1 calculationType.txt

3.3.1.1 Description

For the Telecommunication tax calculations, there are different rules on not only what is taxed but also how it is taxed. This table provides descriptions for all calculation types.

For additional details, please reference the table below.

3.3.1.2 File Format and Sample

<table>
<tr><th colspan="2">calculationType.txt File Format and Sample</th></tr>
<tr><td>File Name</td><td>CalculationType.txt</td></tr>
<tr><td>File Format</td><td>Comma delimited</td></tr>
<tr><td>Sample Data</td><td>Sample
<table>
<tr><td>DATA_TYPE_ID</td><td>Numeric Value for Calculation Type</td></tr>
<tr><td>DESCRIPTION</td><td>Please reference table provided below for Calculation Type descriptions.
<table>
<tr><th>Calculation Type</th><th>Tax Applicability</th></tr>
<tr><td>Rate</td><td>Taxable Measure is multiplied by Rate</td></tr>
<tr><td>Fixed Amount</td><td>Fixed taxes represent a fixed tax that applies to the product being taxed.</td></tr>
<tr><td>Per Minute</td><td>Number of Minutes is multiplied by Rate</td></tr>
<tr><td>Per Access Line</td><td>Number of Lines is multiplied by Rate</td></tr>
<tr><td>Self-Taxing Rate (Cable)</td><td>Taxable Measure is multiplied by Self-Taxing Rate</td></tr>
<tr><td>Per Bracket</td><td>Number of Lines is multiplied by Rate based on tax bracket for line count</td></tr>
<tr><td>Fixed on Tier</td><td>Sale Amount is multiplied by Rate based on tax tier for sale amount</td></tr>
</table></td></tr>
</table></td></tr>
</table>

3.3.1.3 File Availability and Location

calculationType.txt File Availability and Location		
Product	**Platform/Package**	**Location in Installation/Download Package**
AFC License	Unix	**calculationType.txt** is in the **db** subdirectory
	Windows	All files are in the **txt** subdirectory
	AS/400	**calculationType.txt** is located in **/eztax_db9**. This is at the root of the Integrated File System (IFS).
AFC SaaS Standard	EZTaxWS_Std_docs_v9_1603.zip	All files are in the **txt** subdirectory
AFC SaaS Pro	EZTaxWS_docs_v9_YYMM.zip EZTaxWS_sau_docs_v9_YYMM.zip	All files are in the **txt** subdirectory

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3.4 FIPS Code Cross Reference to PCode Files

3.4.1 fipspcd.txt , pcdfips.txt

3.4.1.1 Description

AFC provides support for using a 10 digit **F**ederal **I**nformation **P**rocessing **S**tandards (FIPS) code to define the taxing jurisdiction.

The fipspcd.txt file provides a cross reference for the PCode associated with a given FIPS code. There will never be a single FIPS code cross referenced to more than one PCode.

The pcdfips.txt provides a cross reference for the FIPSs code(s) associated with a given PCode. There may be multiple FIPs codes that are associated with a single PCode.

3.4.1.2 File Format and Sample

fipspcd.txt , pcdfips.txt File Format and Sample Data	
File Name	fipspcd.txt, pcdfips.txt
File Format	tab delimited with summary row at beginning of file
Sample Data	**Sample**

Column Name	Description
Fips Code	10 digit fips code
PCode	Numeric persisted code for tax jurisdiction

Column Name	Description
PCode	Numeric persisted code for tax jurisdiction
Fips Code	10 digit fips code

3.4.1.3 File Availability and Location

fipspcd.txt , pcdfips.txt File Availability and Location		
Product	**Platform/Package**	**Location in Installation/Download Package**
AFC License	Unix	**fipspcd.txt** and **pcdfips.txt** are in the **db** subdirectory
	Windows	All files are in the **txt** subdirectory
	AS/400	**fipspcd.txt** and **pcdfips.txt** are located in **/eztax_db9**. This is at the root of the Integrated File System (IFS).
AFC SaaS Standard	EZTaxWS_Std_docs_v9_1603.zip	All files are in the **txt** subdirectory
AFC SaaS Pro	EZTaxWS_docs_v9_YYMM.zip EZTaxWS_sau_docs_v9_YYMM.zip	All files are in the **txt** subdirectory

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3.5 NPANXX Cross Reference to PCode Files

3.5.1 npanxx7.txt

3.5.1.1 Description

AFC provides support for using the 6 digit North America **N**umbering **P**lan **A**rea – Local Exchange (NPA-NXX) code to define the taxing jurisdiction.

As a convenience, the NPA-NXX lookup and cross-reference table supports country codes for the NPA-NXX value. Refer to {Appendix A} for more information on country codes.

3.5.1.2 File Format and Sample

npanxx7.txt File Format and Sample	
File Name	npanxx7.txt
File Format	comma delimited
Sample Data	**Sample**

Column Name	Description
NPANXX	6 digit NPA-NXX value Also supports numeric country code (values 0 – 999)
PCode	Numeric persisted code for tax jurisdiction

3.5.1.3 File Availability and Location

npanxx7.txt File Availability and Location		
Product	**Platform/Package**	**Location in Installation/Download Package**
AFC License	Unix	**Npanxx7.txt** is at root level in package All other files are in the **db** subdirectory
	Windows	All files are in the **txt** subdirectory
	AS/400	**Npanxx7.txt** is located in **/eztax_db9**. This is at the root of the Integrated File System (IFS). It is copied to the EZTAX_DB9 installation library as: npanxx7.txt - NPANXX7 The name on the left is the text file name. The name on the right is the physical file name.
AFC SaaS Standard	EZTaxWS_Std_docs_v9_1603.zip	All files are in the **txt** subdirectory
AFC SaaS Pro	EZTaxWS_docs_v9_YYMM.zip EZTaxWS_sau_docs_v9_YYMM.zip	All files are in the **txt** subdirectory

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3.6 Transaction/Service Pair List and Description Files

3.6.1 transerv.txt and transervdesc.txt, transervsau.txt and transervdescsau.txt

3.6.1.1 Description

AFC maps product to transaction type/service type pairs. The transaction type is a high level grouping such as VoIP or Cellular. The service type is a more granular breakdown such as Access Charge. These files provide the t/s pair information for reference and importation into the billing or invoice application.

Note: Transerv.txt and transservdesc.txt do not contain the additional Sales and Use Transaction/Service Pairs available in Telecom for AFC SaaS Pro REST v2 and AFC SaaS Standard. A list of Additional Sales and Use Transaction/Service Pairs can be found in section **2.1 Additional Transaction and Service Types** in **TM_00505_Telecom Mapping Guidelines**.

3.6.1.2 File Format and Sample

<table>
<tr><th colspan="2">transerv.txt and transervdesc.txt , transervsau.txt and transervdescsau.txt File Format and Sample</th></tr>
<tr><td>File Name</td><td>Telecom Filename: transerv.txt and transervdesc.txt
Sales and Use Filename: transervsau.txt and transervdescsau.txt</td></tr>
<tr><td>File Format</td><td>comma delimited – column size is fixed</td></tr>
<tr><td>Sample Data</td><td>Sample
<table>
<tr><th>Column Name</th><th>Description</th></tr>
<tr><td>Alternate</td><td>Indicates whether the t/s pair is an alternate name for an existing t/s pair
<table>
<tr><th>Alternate</th><th>DESCRIPTION</th></tr>
<tr><td>Blank</td><td>Primary T/S Pair</td></tr>
<tr><td>A</td><td>Alternate T/S Pair</td></tr>
</table></td></tr>
<tr><td>Market</td><td>Numeric Market Id</td></tr>
<tr><td>Market Name</td><td>Description of Market</td></tr>
<tr><td>Trans Type</td><td>Numeric Transaction Type</td></tr>
<tr><td>Trans Desc</td><td>Description of Transaction Value</td></tr>
<tr><td>Service Type</td><td>Numeric Service Type</td></tr>
<tr><td>Service Desc</td><td>Description of Service Value</td></tr>
<tr><td>Long Description</td><td>Additional field provided in the transervdesc.txt and transervdescsau.txt – represents a description of the application for the t/s pair.</td></tr>
</table></td></tr>
</table>

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3.6.1.3 File Availability and Location

transerv.txt and transervdesc.txt , transervsau.txt and transervdescsau.txt File Availability and Location		
Product	**Platform/Package**	**Location in Installation/Download Package**
AFC License	Unix	**transerv.txt, transervdesc.txt, transervsau.txt and transervdescsau.txt** are in the **db** subdirectory.
	Windows	All files are in the **txt** subdirectory
	AS/400	**transerv.txt, transervdesc.txt, transervsau.txt and transervdescsau.txt** are located in **/eztax_db9**. This is at the root of the Integrated File System (IFS).
AFC SaaS Standard	EZTaxWS_Std_docs_v9_1603.zip	All files are in the **txt** subdirectory
AFC SaaS Pro	EZTaxWS_docs_v9_YYMM.zip EZTaxWS_sau_docs_v9_YYMM.zip	All files are in the **txt** subdirectory

4. Further information

Please contact communicationsupport@avalara.com with any questions or if additional assistance is needed in accessing information files.

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5. Appendix A – Supported Country Codes

In tax calculation calls, Avalara recommends that you use the 3-byte ISO (International Organization for Standardization) code for Country. The 3-byte ISO is required for exclusion lists.

Name	3-Byte ISO Code	2-Byte ISO Code	PCode
ANDORRA	AND	AD	5510000
ANTIGUA	ATG	AG	5250000
ARGENTINA	ARG	AR	4481300
AUSTRALIA	AUS	AU	4481400
AUSTRIA	AUT	AT	4481500
AZERBAIJAN	AZE	AZ	4481600
BAHAMAS	BHS	BS	5420000
BAHRAIN	BHR	BH	5450000
BANGLADESH	BGD	BD	5560000
BARBADOS	BRB	BB	4481700
BELGIUM	BEL	BE	4481800
BELIZE	BLZ	BZ	5240000
BERMUDA	BMU	BM	5180000
BOLIVIA	BOL	BO	4481900
BOSNIA AND HERZEGOVINA	BIH	BA	5380000
BULGARIA	BGR	BG	4482000
CAMBODIA	KHM	KH	4482100
CANADA	CAN	CA	4482200
CAYMAN ISLANDS	CYM	KY	5520000
CHILE	CHL	CL	5350000
CHINA	CHN	CN	5101400
COLOMBIA	COL	CO	5101500
COSTA RICA	CRI	CR	5101600
CROATIA	HRV	HR	5101700
CURACAO	CUW	CW	5540000
CYPRUS	CYP	CY	5101800
CZECH REPUBLIC	CZE	CZ	5101900
DENMARK	DNK	DK	5102000
DOMINICA	DMA	DM	5270000
DOMINICAN REPUBLIC	DOM	DO	5280000
ECUADOR	ECU	EC	5102100
EGYPT	EGY	EG	5410000
EL SALVADOR	SLV	SV	5290000
ESTONIA	EST	EE	5102200
FIJI	FJI	FJ	5105400

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Name	3-Byte ISO Code	2-Byte ISO Code	PCode
FINLAND	FIN	FI	5105500
FRANCE	FRA	FR	5105600
GERMANY	DEU	DE	5105700
GHANA	GHA	GH	5105800
GREECE	GRC	GR	5127400
GRENADA	GRD	GD	5300000
GUATEMALA	GTM	GT	5310000
GUYANA	GUY	GY	5320000
HONDURAS	HND	HN	5108500
HUNGARY	HUN	HU	5108600
ICELAND	ISL	IS	5138400
INDIA	IND	IN	5148400
INDONESIA	IDN	ID	5108700
IRELAND	IRL	IE	5108800
ISRAEL	ISR	IL	5370000
ITALY	ITA	IT	5108900
JAMAICA	JAM	JM	5330000
JAPAN	JPN	JP	5109000
JORDAN	JOR	JO	5570000
KAZAKHSTAN	KAZ	KZ	5550000
KENYA	KEN	KE	5109100
KUWAIT	KWT	KW	5460000
LATVIA	LVA	LV	5109200
LEBANON	LBN	LB	5390000
LITHUANIA	LTU	LT	5109300
LUXEMBOURG	LUX	LU	5109400
MALAYSIA	MYS	MY	5210000
MAURITIUS	MUS	MU	5113200
MEXICO	MEX	MX	5113300
MOROCCO	MAR	MA	5113400
NAMIBIA	NAM	NA	5113500
NETHERLANDS	NLD	NL	5113600
NEW ZEALAND	NZL	NZ	5113700
NICARAGUA	NIC	NI	5340000
NIGERIA	NGA	NG	5158400
NORWAY	NOR	NO	5114500
OMAN	OMN	OM	5470000
PAKISTAN	PAK	PK	5590000
PANAMA	PAN	PA	5115300
PAPUA NEW GUINEA	PNG	PG	5115400

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Name	3-Byte ISO Code	2-Byte ISO Code	PCode
PARAGUAY	PRY	PY	5530000
PERU	PER	PE	5115500
PHILIPPINES	PHL	PH	5360000
POLAND	POL	PL	5115600
PORTUGAL	PRT	PT	5115700
QATAR	QAT	QA	5480000
REPUBLIC OF MALTA	MLT	MT	5200000
REUNION ISLAND	REU	RE	5220000
ROMANIA	ROU	RO	5123900
RUSSIA	RUS	RU	5124000
SAUDI ARABIA	SAU	SA	5490000
SERBIA	SRB	RS	5400000
SINGAPORE	SGP	SG	5124100
SLOVAK REPUBLIC	SVK	SK	5178400
SLOVENIA	SVN	SI	5124200
SOUTH AFRICA	ZAF	ZA	5124300
SOUTH KOREA	KOR	KR	5168400
SPAIN	ESP	ES	5124400
SRI LANKA	LKA	LK	5580000
ST KITTS AND NEVIS	KNA	KN	5230000
ST VINCENT	VCT	VC	5260000
SWEDEN	SWE	SE	5124500
SWITZERLAND	CHE	CH	5124600
TAIWAN	TWN	TW	5124700
TANZANIA	TZA	TZ	5124800
THAILAND	THA	TH	5124900
TRINIDAD AND TOBAGO	TTO	TT	5125000
TURKEY	TUR	TR	5125100
UGANDA	UGA	UG	5125200
UKRAINE	UKR	UA	5125300
UNITED ARAB EMIRATES	ARE	AE	5500000
UNITED KINGDOM	GBR	GB	5125400
UNITED STATES OF AMERICA	USA	US	0
UNSUPPORTED COUNTRY	UNS	XX	5190000
URUGUAY	URY	UY	5125500
VENEZUELA	VEN	VE	5127200
VIETNAM	VNM	VN	5127300
ZAMBIA	ZMB	ZM	5105900

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Below is the preferred Country and State abbreviation to be used for US Territories.

PCode	Name	Country and State Abbreviation
5340001	AMERICAN SAMOA	USA,AS
5340002	FEDERATED STATES OF MICRONESIA	USA,FM
5106100	GUAM	USA,GU
5340003	MARSHALL ISLANDS	USA,MH
5340004	NORTHERN MARIANA ISLANDS	USA,MP
5340005	PALAU	USA,PW
5115900	PUERTO RICO	USA,PR
5340006	US VIRGIN ISLANDS	USA,VI

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6. Appendix B – Supported States, Territories and Provinces

6.1 USA States and Territories

ID	Abbreviation	Name
1	AL	Alabama
2	AK	Alaska
3	AZ	Arizona
4	AR	Arkansas
5	CA	California
6	CO	Colorado
7	CT	Connecticut
8	DE	Delaware
9	DC	Washington, D.C.
10	FL	Florida
11	GA	Georgia
12	HI	Hawaii
13	ID	Idaho
14	IL	Illinois
15	IN	Indiana
16	IA	Iowa
17	KS	Kansas
18	KY	Kentucky
19	LA	Louisiana
20	ME	Maine
21	MD	Maryland
22	MA	Massachusetts
23	MI	Michigan
24	MN	Minnesota
25	MS	Mississippi
26	MO	Missouri
27	MT	Montana
28	NE	Nebraska
29	NV	Nevada
30	NH	New Hampshire
31	NJ	New Jersey
32	NM	New Mexico

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ID	Abbreviation	Name
33	NY	New York
34	NC	North Carolina
35	ND	North Dakota
36	OH	Ohio
37	OK	Oklahoma
38	OR	Oregon
39	PA	Pennsylvania
40	RI	Rhode Island
41	SC	South Carolina
42	SD	South Dakota
43	TN	Tennessee
44	TX	Texas
45	UT	Utah
46	VT	Vermont
47	VA	Virginia
48	WA	Washington
49	WV	West Virginia
50	WI	Wisconsin
51	WY	Wyoming
52	GU	Guam
53	PR	Puerto Rico
54	AS	American Samoa
55	FM	Fed St of Micronesia
56	MH	Marshall Islands
57	MP	Northern Mariana Islands
58	PW	Palau
59	VI	US Virgin Islands

6.2 Canadian Provinces and Territories

Id	Abbv.	Name
1	AB	Alberta
2	BC	British Columbia
3	MB	Manitoba
4	NB	New Brunswick
5	NL or NF	Newfoundland
6	NT	Northwest Territories
7	NS	Nova Scotia
8	ON	Ontario

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Id	Abbv.	Name
9	PE	Prince Edward Island
10	QC or PQ	Quebec
11	SK	Saskatchewan
12	YT	Yukon Territory
13	NU	Nunavut

6.3 Indian States

Id	Abbv.	Name
1	AP	Andhra Pradesh
2	AR	Arunachal Pradesh
3	AS	Assam
4	BR	Bihar
5	CT	Chhattisgarh
6	GA	Goa
7	GJ	Gujarat
8	HR	Haryana
9	HP	Himachal Pradesh
10	JK	Jammu and Kashmir
11	JH	Jharkhand
12	KA	Karnataka
13	KL	Kerala
14	MP	Madhya Pradesh
15	MH	Maharashtra
16	MN	Manipur
17	ML	Meghalaya
18	MZ	Mizoram
19	NL	Nagaland
20	OR	Odisha
21	PB	Punjab
22	RJ	Rajasthan
23	SK	Sikkim
24	TN	Tamil Nadu
25	TG	Telangana
26	TR	Tripura
27	UP	Uttar Pradesh
28	UT	Uttarakhand
29	WB	West Bengal
30	AN	Andaman and Nicobar
31	CH	Chandigarh
32	DN	Dadra Nagar Haveli
33	DD	Daman and Diu

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Id	Abbv.	Name
34	DL	Delhi
35	LD	Lakshadweep
36	PY	Puducherry

6.4 Pakistani Provinces

Id	Abbv.	Name
1	SD	Sindh
2	KP	Khyber Pakhtoonkhwa
3	BA	Balochistan
4	GB	Gilgit Baltistan
5	JK	Azab Jammu and Kashmir
6	PB	Punjab

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7. Appendix C – AFC Sorting & Reporting Utilities

The format of compliance files may be that of any of the available AvaTax for Communications (AFC) sorting and reporting utilities listed in the table below.

Method	Description	Example
Date Method 0	This method gathers all transactions that were sent to our server during the previous month by looking at start time field for each transaction and generate the compliance files from that data on the first of every month or requested date. AFC uses date method 0 to generate compliance reports, unless specified by client.	• **Reporting Scenario 1:** Throughout the month of January 2013, you submit several transactions to the web service for taxation at the time each sale occurs. The system will generate the January 2013 compliance reports on February 1st, 2013 for all the transactions received in January, irrespective of invoice date.
Date Method 1	This method processes data based on invoice date. We gather all transactions that have an invoice date of the previous month and generate the compliance files from that data on the first day of every month.	• **Reporting Scenario 2:** Throughout the month of January 2013, you submit several transactions to the web service for taxation with an invoice date of January 2013. On February 1st, 2013, the system will gather all transactions with an invoice date of January 1st through January 31st 2013 and generate the compliance data. • **Reporting Scenario 3:** You send a transaction with an invoice date of January 15th past February 1st when AFC runs your compliance reports, this transaction will never show up on any report. You will need to submit a request to our network services to rerun your data for January in order to capture January data sent past February. Additional charges apply to rerun, or provide subsequent compliance reports for the month. Alternatively, you may request your compliance reports to be generated on a specific day of the month in order to give you enough time to complete processing tax calculations for your billing cycle. Please contact communicationsupport@avalara.com in order to set up these preferences.

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Method	Description	Example
Date Method 2	This method processes data based on an optional10 field. The client will fill in the optional10 field with the year and month (YYYYMM format) that they want the transaction to show up in their compliance files. When AFC runs the compliance reports, it only includes transactions from the previous month, based upon optional10 field.	• **Reporting Scenario 4:** Throughout the month of January 2013, you submit several transactions to the web service for taxation at the time each sale occurs. Each transaction must include the value 201301 in the Optional10 field. The system will generate the January 2013 compliance reports on February 1st, 2013 and include the taxes for all transactions with a 201301 value in the Optional10 field. It is important to note that if you send transactions with 201301 in the optional10 field, after the compliance report is run on February 1, they will be provided in any compliance reports. In this case, you should record the transaction as 201302 or a future period for them to be reported upon. • **Reporting Scenario 5:** On February 1st 2013, you process a batch for all January 2013 transactions. Each transaction must have a 201301 value in the Optional10 field. You should request your reports to be generated on the 2nd day of the month beforehand. The system will generate your January 2013 compliance reports on the 2nd day of the month and include the taxes for all transactions with a 201301 value in the Optional10 field. • **Reporting Scenario 6:** On February 15th, you process an adjustment for a transaction that took place on January 15th 2013. The Date field of the transaction must have the date of the original transaction (January 15th) in order to get the appropriate tax adjustments back, but the Optional10 field of the transaction must have a value of 201302 since the adjustment was handled during February. The tax adjustment will be included in your February 2013 compliance reports.

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8. Appendix D – International NPANXX IDs

In tax calculation calls, Avalara recommends that you use the 3-byte ISO (International Organization for Standardization) code for Country. The 3-byte ISO is required for exclusion lists.

NPANXX Country ID	Country Name	3-Byte ISO Code	2-Byte ISO Code	Country Code	PCode
2	ARGENTINA	ARG	AR	54	4481300
3	AUSTRALIA	AUS	AU	61	4481400
4	AUSTRIA	AUT	AT	43	4481500
5	AZERBAIJAN	AZE	AZ	994	4481600
6	BARBADOS	BRB	BB	809	4481700
7	BELGIUM	BEL	BE	321	4481800
8	BOLIVIA	BOL	BO	591	4481900
9	BULGARIA	BGR	BG	359	4482000
10	CAMBODIA	KHM	KH	855	4482100
12	CHINA	CHN	CN	86	5101400
13	COLOMBIA	COL	CO	57	5101500
14	COSTA RICA	CRI	CR	506	5101600
15	CROATIA	HRV	HR	385	5101700
16	CYPRUS	CYP	CY	357	5101800
17	CZECH REPUBLIC	CZE	CZ	42	5101900
18	DENMARK	DNK	DK	45	5102000
19	ECUADOR	ECU	EC	592	5102100
20	ESTONIA	EST	EE	372	5102200
22	FIJI	FJI	FJ	679	5105400
23	FINLAND	FIN	FI	358	5105500
24	FRANCE	FRA	FR	331	5105600
25	GERMANY	DEU	DE	49	5105700
26	GHANA	GHA	GH	233	5105800
27	ZAMBIA	ZMB		260	5105900
29	HONDURAS	HND	HN	504	5108500
30	HUNGARY	HUN	HU	36	5108600
31	INDONESIA	IDN	ID	62	5108700
32	IRELAND	IRL	IE	353	5108800
33	ITALY	ITA	IT	39	5108900
34	JAPAN	JPN	JP	81	5109000
35	KENYA	KEN	KE	254	5109100
36	LATVIA	LVA	LV	371	5109200
37	LITHUANIA	LTU	LT	370	5109300
38	LUXEMBOURG	LUX	LU	352	5109400
40	MAURITIUS	MUS	MU	230	5113200

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NPANXX Country ID	Country Name	3-Byte ISO Code	2-Byte ISO Code	Country Code	PCode
41	MEXICO	MEX	MX	52	5113300
42	MOROCCO	MAR	MA	212	5113400
43	NAMIBIA	NAM	NA	264	5113500
44	NETHERLANDS	NLD	NL	31	5113600
45	NEW ZEALAND	NZL	NZ	64	5113700
47	NORWAY	NOR	NO	47	5114500
49	PANAMA	PAN	PA	507	5115300
50	PAPUA NEW GUINEA	PNG	PG	675	5115400
51	PERU	PER	PE	51	5115500
52	POLAND	POL	PL	48	5115600
53	PORTUGAL	PRT	PT	351	5115700
54	ROMANIA	ROU	RO	40	5123900
56	RUSSIA	RUS	RU	7	5124000
57	SINGAPORE	SGP	SG	65	5124100
58	SLOVENIA	SVN	SI	386	5124200
59	SOUTH AFRICA	ZAF	ZA	27	5124300
60	SPAIN	ESP	ES	349	5124400
61	SWEDEN	SWE	SE	46	5124500
62	SWITZERLAND	CHE	CH	41	5124600
63	TAIWAN	TWN	TW	886	5124700
64	TANZANIA	TZA	TZ	255	5124800
65	THAILAND	THA	TH	66	5124900
67	TURKEY	TUR	TR	90	5125100
68	UGANDA	UGA	UG	256	5125200
69	UKRAINE	UKR	UA	380	5125300
70	UNITED KINGDOM	GBR	GB	44	5125400
71	URUGUAY	URY	UY	598	5125500
73	VENEZUELA	VEN	VE	58	5127200
74	VIETNAM	VNM	VN	84	5127300
75	GREECE	GRC	GR	30	5127400
76	ICELAND	ISL	IS	352	5138400
77	INDIA	IND	IN	356	5148400
78	NIGERIA	NGA	NG	566	5158400
79	SOUTH KOREA	KOR	KR	410	5168400
80	SLOVAK REPUBLIC	SVK	SK	703	5178400
82	UNSUPPORTED COUNTRY	UNS	XX	99	5190000
83	REPUBLIC OF MALTA	MLT	MT	356	5200000
84	MALAYSIA	MYS	MY	60	5210000
85	REUNION ISLAND	REU	RE	690	5220000
86	ST KITTS AND NEVIS	KNA	KN	659	5230000

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NPANXX Country ID	Country Name	3-Byte ISO Code	2-Byte ISO Code	Country Code	PCode
87	ANTIGUA	ATG	AG	268	5250000
88	BELIZE	BLZ	BZ	501	5240000
89	DOMINICA	DMA	DM	809	5270000
90	DOMINICAN REPUBLIC	DOM	DO	809	5280000
91	EL SALVADOR	SLV	SV	503	5290000
92	GRENADA	GRD	GD	809	5300000
93	GUATEMALA	GTM	GT	502	5310000
94	GUYANA	GUY	GY	592	5320000
95	JAMAICA	JAM	JM	809	5330000
96	NICARAGUA	NIC	NI	505	5340000
97	ST VINCENT	VCT	VC	809	5260000
98	CHILE	CHL	CL	56	5350000
99	PHILIPPINES	PHL	PH	63	5360000
100	ISRAEL	ISR	IL	972	5370000
101	BOSNIA AND HERZEGOVINA	BIH	BA	387	5380000
102	LEBANON	LBN	LB	961	5390000
103	SERBIA	SRB	RS	381	5400000
104	EGYPT	EGY	EG	20	5410000
105	BAHAMAS	BHS	BS	124	5420000
106	BRAZIL	BRA	BR	55	5430000
107	SENEGAL	SEN	SN	686	5440000
108	BAHRAIN	BHR	BH	973	5450000
109	KUWAIT	KWT	KW	965	5460000
110	OMAN	OMN	OM	968	5470000
111	QATAR	QAT	QA	974	5480000
112	SAUDI ARABIA	SAU	SA	966	5490000
113	UNITED ARAB EMIRATES	ARE	AE	971	5550000
114	ANDORRA	AND	AD	376	5510000
115	CAYMAN ISLANDS	CYM	KY	345	5520000
116	PARAGUAY	PRY	PY	595	5530000
117	CURACAO	CUW	CW	599	5540000
118	KAZAKHSTAN	KAZ	KZ	7	5550000
119	BANGLEDESH	BGD	BD	880	5560000
120	JORDAN	JOR	JO	962	5570000
121	SRI LANKA	LKA	LK	94	5580000
122	PAKISTAN	PAK	PK	92	5590000

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