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# **EDIT/VALIDATION RULES RELATED TO APMC REPORT SUBMISSIONS IN PETRINEX**

**Updated May 26, 2016**

# EDIT/VALIDATION RULES RELATED TO APMC REPORT SUBMISSIONS IN PETRINEX

## Table of Contents

1. SINGLE SHIPPER INVOICE SUBMISSIONS EDITS .....	3
2. SINGLE SHIPPER INVOICE REQUIRED FIELDS SUMMARY .....	17
3. SINGLE SHIPPER INVOICE DEFINITIONS.....	19
4. TARIFF INVOICE SUBMISSIONS EDITS.....	21
5. TARIFF INVOICE REQUIRED FIELDS SUMMARY.....	28
6. TARIFF INVOICE DEFINITIONS .....	29
7. EQUALIZATION INVOICE SUBMISSIONS EDITS .....	31
8. EQUALIZATION INVOICE REQUIRED FIELDS SUMMARY .....	41
9. EQUALIZATION INVOICE DEFINITIONS.....	42
APPENDIX A - ACTIVITY CODES .....	44
APPENDIX B - DEDUCTION CODES .....	45
APPENDIX C - BC FACILITIES AND OPERATORS .....	46
APPENDIX D - SK FACILITIES AND OPERATORS .....	47

# 1. SINGLE SHIPPER INVOICE SUBMISSIONS EDITS

The following edits only apply to the Edit Single Shipper Invoice unit task

Business Name	Validation Rule	Result Type	Message	Message Number
<b>Key Fields</b>				
Invoice Number	Invoice Number must be entered.	ERROR	Invoice Number cannot be blank.	MSG002
Shipper BA ID	Shipper BA must be entered.	ERROR	Shipper BA ID cannot be blank.	MSG002
Shipper BA ID	Shipper BA must be valid. Can only be APMC (OPMC) or their agent (currently Shell (A6JG)).	ERROR	Shipper BA ID [Shipper BA ID] is not valid. Must be one of [BA list].	ARI004
Shipper BA ID	Shipper BA must be Active in Petrinex based on the BA Corporate Status Active Indicator.	ERROR	Shipper BA ID [Shipper BA ID] is not active in Petrinex for Production Month [Production Month].	ARI006
Production Month	If the prior production month submission has <b>not</b> been 'unlocked', then the production month must be the current Single Shipper Invoice production month.	ERROR	Production Month [Production Month] must be equal to the current Single Shipper Invoice Production Month [Production Month].	ARI005
Production Month	Production Month must be entered.	ERROR	Production Month cannot be blank.	MSG002
Production Month	Production Month must be valid. Format: YYYY-MM.	ERROR	Production Month [Production Month] is not valid. The format should be YYYY-MM.	ARI002
Production Month	Should not be earlier than the APMC Report Submissions implementation date.	ERROR	Production Month [Production Month] is prior to APMC Reporting implementation date [Implementation Month].	ARI003
<b>Header Fields</b>				
Invoice Date	Invoice date must be entered.	ERROR	Invoice Date cannot be blank.	MSG002
Invoice Date	Invoice date must be valid. Format: YYYY-MM-DD.	ERROR	Invoice Date [Invoice Date] is not valid. Format should be YYYY-MM-DD.	MSG042
Payment Due Date	Payment due date must be valid. Format: YYYY-MM-DD.	ERROR	Payment Due Date [Payment Due Date] is not valid. Format should be YYYY-MM-DD.	MSG042

Business Name	Validation Rule	Result Type	Message	Message Number
Contact – First Name	First Name must be entered.	ERROR	First Name cannot be blank.	MSG002
Contact – Last Name	Last Name must be entered.	ERROR	Last Name cannot be blank.	MSG002
Contact – Email	Email must be entered.	ERROR	Email cannot be blank.	MSG002
Contact – Phone	Phone must be entered.	ERROR	Phone cannot be blank.	MSG002
Currency	Currency must be entered.	ERROR	Currency cannot be blank.	MSG002
Currency	Currency must be valid. Currently, either 'CAD' or 'USD'.	ERROR	Currency [Currency] is not valid. Must be one of [Currency list].	ARI004
Admin Fees	Admin Fees must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Admin Fees [Admin Fees] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal must be entered.	ERROR	Subtotal cannot be blank.	MSG002
Subtotal	Subtotal must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Subtotal [Subtotal] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal should equal the sum of all detail row Value amounts + Admin Fees amount..	WARNING	Subtotal [Subtotal] does not equal detail amounts + Admin Fees [amount].	ARI008
Tax Code	At least one Tax Code must be entered.	ERROR	Tax Code cannot be blank.	MSG002
Tax Code	Tax Code must be valid. Currently, 'PST', 'GST', 'HST', or 'UST'.	ERROR	Tax Code [Tax Code] is not valid. Must be one of [Tax Code list].	ARI004
Tax Code	Tax Code must be valid for Currency. Currently, 'PST', 'GST', and 'HST' for 'CAD'. 'UST' for 'USD'.	ERROR	Tax Code [Tax Code] is not valid for Currency [Currency].	ARI009
Tax Code	One of the following tax code options must be used for Tax Code 1 and Tax Code 2 fields: For a currency of CAD:	ERROR	Invalid Tax Code [Tax Code] combination.	ARI036

Business Name	Validation Rule	Result Type	Message	Message Number
	- GST and blank - HST and blank - PST and GST For a currency of USD: - USD and blank.			
Tax Amount	If Tax Code is entered, then Tax Amount cannot be blank.	ERROR	Tax Amount cannot be blank.	MSG002
Tax Amount	Tax Amount must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Tax Amount [Tax Amount] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Total	Total must be entered.	ERROR	Total cannot be blank.	MSG002
Total	Total must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Total [Total] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Total	Total should equal the sum of all Tax Amounts + Subtotal amount.	WARNING	Total [Total] does not equal tax amounts + Subtotal [amount].	ARI010
<b>Summary Fields</b>				
Submitting Facility ID	Submitting Facility ID must be entered.	ERROR	Submitting Facility ID cannot be blank.	MSG002
Submitting Facility ID	Submitting Facility ID must exist in Petrinex.  <b>For BC facilities:</b> The facility ID must exist in the code table of valid BC facilities (please see Appendix C).	ERROR	Field Submitting Facility ID [Submitting Facility ID] must exist in Petrinex.	MSG003
Submitting Facility ID	Submitting Facility ID must be active in Petrinex.	ERROR	Submitting Facility ID [Submitting Facility ID] must be active in Petrinex.	ARI011

Business Name	Validation Rule	Result Type	Message	Message Number
Submitting Facility ID	Submitting Facility ID must be eligible for Single Shipper Invoice submissions (check APMC Reporting Facility attribute).  <b>For SK facilities:</b> The facility ID must exist in the code table of valid SK OOP flagged facilities (please see Appendix D).	ERROR	Submitting Facility ID [Submitting Facility ID] must be an eligible PL/TM/CT for Single Shipper Invoice submissions.	ARI012
Stream Type	Stream Type must be entered.	ERROR	Stream Type cannot be blank.	MSG002
Stream Type	Stream Type must be valid.	ERROR	Stream Type [Stream Type] must be valid in Petrinex.	ARI014
Submitting Facility ID / Stream Type	The combination of Submitting Facility ID and Stream Type must be unique within the context of the invoice.	ERROR	Submitting Facility [Submitting Facility] and Stream Type [Stream Type] is already used in this invoice.	ARI015
<b>Details Fields</b>				
Activity	Activity must be entered.	ERROR	Activity cannot be blank.	MSG002
Activity	Activity must be valid. See Appendix A for details.	ERROR	Activity [Activity] is invalid.	ARI016
Activity	Check for existence of Shipper Balance record when Activity is one of RECCON, RECTRK, TRFIF, or TRFIS. See code table in Appendix A for details.	WARNING	Shipper Balance record not found for Activity [Activity], Connected From/To Facility [Connected From/To Facility ID], From/To Facility [From/To Facility ID], and From/To BA [From/To BA].	ARI017
Description	Description is required for activity OTHER	ERROR	Description is required for activity [activity].	ARI018
Connected From/To Facility ID	Connected From/To Facility must exist in Petrinex.	ERROR	Field Connected From/To Facility [Connected From/To Facility ID] must exist in Petrinex.	MSG003
Connected From/To Facility ID	Connected From/To Facility must be active in Petrinex.	ERROR	Connected From/To Facility [Connected From/To Facility ID] must be active in	ARI011

Business Name	Validation Rule	Result Type	Message	Message Number
			Petrinex.	
Connected From/To Facility ID	Connected From/To Facility must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	Connected From/To Facility ID cannot be blank with Activity [Activity].	ARI020
Connected From/To Facility ID	Connected From/To Facility must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Connected From/To Facility ID must be blank with Activity [Activity].	ARI045
From/To Facility ID	From/To Facility must exist in Petrinex. Only AB and SK Facilities are accepted.	ERROR	Field From/To Facility [From/To Facility ID] must exist in Petrinex.	MSG003
From/To Facility ID	From/To Facility must be active in Petrinex.	ERROR	From/To Facility [From/To Facility ID] must be active in Petrinex.	ARI011
From/To Facility ID	From/To Facility must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	From/To Facility ID cannot be blank with Activity [Activity].	ARI020
From/To Facility ID	From/To Facility must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	From/To Facility ID must be blank with Activity [Activity].	ARI045
From/To BA Province/State	From/To Province state is required for some Activities. See Appendix A for detail on which activities require this field.	ERROR	From/To BA Province/State cannot be blank with Activity [Activity].	ARI020
From/To BA Province/State	From/To BA Province/State must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	From/To BA Province/State must be blank with Activity [Activity].	ARI045
From/To BA	From/To BA must exist in Petrinex.	ERROR	Field From/To BA [From/To BA ID] must exist in Petrinex.	MSG003
From/To BA	From/To BA must be Active in Petrinex. Looks at the BA Corporative	ERROR	From/To BA [From/To BA ID] is not active in Petrinex for the Production Month [Production	ARI021

Business Name	Validation Rule	Result Type	Message	Message Number
	Status Active Indicator.		Month ID].	
From/To BA	From/To BA must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	From/To BA ID cannot be blank with Activity [Activity].	ARI020
From/To BA	From/To BA must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	From/To BA ID must be blank with Activity [Activity].	ARI045
Base Price	The Base Price must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	Base Price cannot be blank with Activity [Activity].	ARI020
Base Price	Base Price must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Base Price must be blank with Activity [Activity].	ARI045
Base Price	Base Price must be numeric	ERROR	Field Base Price [Base Price] has an invalid format, must be Numeric.	MSG023
Base Price	Base Price must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and 2 digits after. Allow positive or negative.	ERROR	Base Price [Base Price] is invalid, max 16 digits before decimal place and 2 digits after.	ARI007
Deduction (Types)	The Deduction Type must be unique within the context of the detail row.	ERROR	Deduction Type [Deduction Type] is already used in this detail row.	ARI035
Deduction (Types)	Deduction Type must be valid. See Appendix B for details.	ERROR	Deduction Type [Deduction Type] is invalid for Activity [Activity].	ARI034
Deduction (Types)	The Deduction Type is required if a deduction value or description is entered.	ERROR	Deduction Type is required if a Deduction Rate or Description is entered.	ARI037
Deduction (Types)	Deduction Type must be blank for some activities. See Appendix A for details on which activities don't have	ERROR	Deduction Type must be blank with Activity [Activity].	ARI045



Business Name	Validation Rule	Result Type	Message	Message Number
	this field.			
Deduction (Rates)	Deduction Rate is required if a Deduction is entered.	ERROR	Deduction Rate cannot be blank.	MSG002
Deduction (Rates)	Deduction Rate must be numeric	ERROR	Field Deduction Rate [Deduction Rate] has an invalid format, must be Numeric	MSG023
Deduction (Rates)	Deduction Rate must be valid. Format: After removing leading and trailing zeroes, Max 12 digits before decimal point and max 6 digits after. Allow positive or negative.	ERROR	Deduction [Deduction Type] [Deduction Rate] is invalid, max 12 digits before decimal place and max 6 digits after.	ARI022
Deduction (Rates)	Deduction Rate must be a positive number for all deduction codes except QUALITY and MKTDIFF.	ERROR	The Deduction Rate must be a positive number if the Deduction Type is not QUALITY or MKTDIFF.	ARI042
Deduction (Rates)	Deduction Rate must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Deduction Rate must be blank with Activity [Activity].	ARI045
Deduction Description	Description is required for Deduction OTHER. See Appendix B for details.	ERROR	Deduction Description is required for deduction of OTHER.	ARI023
Deduction Description	Deduction Description must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Deduction Description must be blank with Activity [Activity].	ARI045
Net Price	The Net Price must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	Net Price cannot be blank with Activity [Activity].	ARI020
Net Price	Net Price must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Net Price must be blank with Activity [Activity].	ARI045
Net Price	Net Price must be numeric	ERROR	Field Net Price [Net Price] has an invalid format, must be Numeric.	MSG023

Business Name	Validation Rule	Result Type	Message	Message Number
Net Price	Net Price must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and 2 digits after. Allow positive or negative.	ERROR	Net Price [Net Price] is invalid, max 16 digits before decimal place and 2 digits after.	ARI007
Net Price	The Net Price should equal the Base Price less the sum of all deductions.	WARNING	The Net Price [Net Price] does not match the Base Price [Base Price] less the sum of the Deductions [Sum of Deductions].	ARI024
Volume	Volume must be entered for some activities. See Appendix A for details on which activities require this field.	ERROR	Volume cannot be blank with Activity [Activity].	ARI020
Volume	Volume must be numeric	ERROR	Field Volume [Volume] has an invalid format, must be Numeric.	MSG023
Volume	Volume must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Volume [Volume] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI026
Rate	Rate must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Rate must be blank with Activity [Activity].	ARI045
Rate	For the Activities that require Rate or Flat Fee, Rate must be entered if Flat Fee is not reported. See Appendix A for details.	ERROR	Rate must be entered if Flat Fee is not reported.	ARI039
Rate	Rate must be entered for some activities. See Appendix A for details on which activities require this field.	ERROR	Rate cannot be blank with Activity [Activity].	ARI020
Rate	For the Activities that require Rate or Flat Fee, Rate must be blank if Flat Fee is reported (excluding zero).	ERROR	Either Rate or Flat Fee can be reported for Activity [Activity].	ARI043
Rate	For the Activities that require Rate, if Rate is reported then Volume must	ERROR	If Rate is reported then Volume must not be blank.	ARI044

Business Name	Validation Rule	Result Type	Message	Message Number
	not be blank.			
Rate	Rate must be numeric	ERROR	Field Rate [Rate] has an invalid format, must be Numeric.	MSG023
Rate	Rate must be valid. Format: After removing leading and trailing zeroes, Max 12 digits before decimal point and max 6 digits after. Allow positive or negative.	ERROR	Rate [Rate] is invalid, max 12 digits before decimal place and max 6 digits after.	ARI027
Quantity	Quantity must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Quantity must be blank with Activity [Activity].	ARI045
Quantity	For the Activities that require Quantity or Rate, Quantity must be entered if Rate is not reported. See Appendix A for details.	ERROR	Quantity must be entered if Rate is not reported.	ARI039
Quantity	Quantity must be reported for some activities. See Appendix A for details on which activities require this field.	ERROR	Quantity cannot be blank with Activity [Activity].	ARI020
Quantity	For the Activities that require Flat Fee, if Flat Fee is reported then Quantity must not be blank.	ERROR	If Flat Fee is reported then Quantity must not be blank.	ARI044
Quantity	Quantity must be numeric	ERROR	Field Quantity [Quantity] has an invalid format, must be Numeric.	MSG023
Quantity	Quantity must be valid. Format: After removing leading and trailing zeroes, Max 18 digits before decimal point and 0 digits after. Allow positive or negative.	ERROR	Quantity [Quantity] is invalid, max 18 digits before decimal place and 0 digits after.	ARI028
Flat Fee	Flat Fee must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Flat Fee must be blank with Activity [Activity].	ARI045

Business Name	Validation Rule	Result Type	Message	Message Number
Flat Fee	For the Activities that require Flat Fee or Rate, Flat Fee must be entered if Rate is not reported. See Appendix A for details.	ERROR	Flat Fee must be entered if Rate is not reported.	ARI039
Flat Fee	Flat Fee must be reported for some activities. See Appendix A for details on which activities require this field.	ERROR	Flat Fee cannot be blank with Activity [Activity].	ARI020
Flat Fee	For the Activities that require Quantity, if Quantity is reported then Flat Fee must not be blank.	ERROR	If Quantity is reported then Flat Fee must not be blank.	ARI044
Flat Fee	Flat Fee must be numeric	ERROR	Field Flat Fee [Flat Fee] has an invalid format, must be Numeric.	MSG023
Flat Fee	Flat Fee must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and 2 digits after. Allow positive or negative.	ERROR	Flat Fee [Flat Fee] is invalid, max 16 digits before decimal place and 2 digits after.	ARI007
Value	Value must be reported.	ERROR	Value cannot be blank with Activity [Activity].	ARI020
Value	Value must be numeric	ERROR	Field Value [Value] has an invalid format, must be Numeric.	MSG023
Value	Value must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and 2 digits after. Allow positive or negative.	ERROR	Value [Value] is invalid, max 16 digits before decimal place and 2 digits after.	ARI007
Value	If a Net Price and Volume was supplied, the Value should equal the Net price * Volume to two decimal places.  If a Quantity and Flat Fee was supplied, the Value should equal the Quantity * Flat Fee to two decimal places.	WARNING	The calculated Value [Calculated Value] does not match the supplied Value [Value].	ARI029

Business Name	Validation Rule	Result Type	Message	Message Number
	If a Rate and Volume was supplied, the Value should equal the (Volume * Rate) rounded up to two decimal places.			
Density	Density must be entered for some activities. See Appendix A for details on which activities require this field.	ERROR	Density cannot be blank for Activity [Activity].	ARI020
Density	Density must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Density must be blank with Activity [Activity].	ARI045
Density	Density must be numeric	ERROR	Field Density [Density] has an invalid format, must be Numeric.	MSG023
Density	Density must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Density [Density] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI026
Density Qualifier	If entered, Density Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Density Qualifier [Density Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Density Qualifier	Density Qualifier must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Density Qualifier must be blank with Activity [Activity].	ARI045
Density Date	If entered, Density date must be valid. Format: YYYY-MM.	ERROR	Density Date [Density Date] is not valid. Format should be YYYY-MM.	MSG042
Density Date	Density Date must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Density Date must be blank with Activity [Activity].	ARI045
Sulphur	Sulphur must be entered for some activities. See Appendix A for details	ERROR	Sulphur cannot be blank for Activity [Activity].	ARI020

Business Name	Validation Rule	Result Type	Message	Message Number
	on which activities require this field.			
Sulphur	Sulphur must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Sulphur must be blank with Activity [Activity].	ARI045
Sulphur	Sulphur must be numeric	ERROR	Field Sulphur [Sulphur] has an invalid format, must be Numeric.	MSG023
Sulphur	Sulphur must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.	ERROR	Sulphur [Sulphur] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Sulphur Qualifier	If entered, Sulphur Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Sulphur Qualifier [Sulphur Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Sulphur Qualifier	Sulphur Qualifier must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Sulphur Qualifier must be blank with Activity [Activity].	ARI045
Sulphur Date	If entered, Sulphur date must be valid. Format: YYYY-MM.	ERROR	Sulphur Date [Sulphur Date] is not valid. Format should be YYYY-MM.	MSG042
Sulphur Date	Sulphur Date must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Sulphur Date must be blank with Activity [Activity].	ARI045
Butane	If entered, Butane must be numeric	ERROR	Field Butane [Butane] has an invalid format, must be Numeric.	MSG023
Butane	If entered, Butane must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.	ERROR	Butane [Butane] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007

Business Name	Validation Rule	Result Type	Message	Message Number
Butane	Butane must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Butane must be blank with Activity [Activity].	ARI045
Butane Qualifier	If entered, Butane Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Butane Qualifier [Butane Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Butane Qualifier	Butane Qualifier must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Butane Qualifier must be blank with Activity [Activity].	ARI045
Butane Date	If entered, Butane date must be valid. Format: YYYY-MM.	ERROR	Butane Date [Butane Date] is not valid. Format should be YYYY-MM.	MSG042
Butane Date	Butane Date must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Butane Date must be blank with Activity [Activity].	ARI045
Propane	If entered, Propane must be numeric	ERROR	Field Propane [Propane] has an invalid format, must be Numeric.	MSG023
Propane	If entered, Propane must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.	ERROR	Propane [Propane] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Propane	Propane must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Propane must be blank with Activity [Activity].	ARI045
Propane Qualifier	If entered, Propane Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Propane Qualifier [Propane Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Propane Qualifier	Propane Qualifier must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Propane Qualifier must be blank with Activity [Activity].	ARI045

Business Name	Validation Rule	Result Type	Message	Message Number
Propane Date	If entered, Propane date must be valid. Format: YYYY-MM.	ERROR	Propane Date [Propane Date] is not valid. Format should be YYYY-MM.	MSG042
Propane Date	Propane Date must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	Propane Date must be blank with Activity [Activity].	ARI045
Submission	When user clicks Submit or Save To WIP button and there are errors on summary or detail level	ERROR	Errors exist at the Summary or Detail level. Click the Edit or Details buttons to view those errors.	ARI046
Submission	When Petrinex has successfully saved the data, a message is displayed to the user.	INFO	The data was successfully submitted for Invoice Number [Invoice Number], Production Month [Production Month] and Amendment Number [Amendment].	ARI030



## 2. SINGLE SHIPPER INVOICE REQUIRED FIELDS SUMMARY

Validations for Edit Single Shipper Invoice – Detail Fields: the following table shows the required fields depending on the activity selected. Note that the duplicate activity rows reflect data entry options available to the user.

Activity	Connected From/To Facility	From/To Facility	From/To BA	Base Price, Deductions, Net Price,	Quality Information	Rate	Volume	Quantity, Flat Fee	Value	Description
DILUENT	X					X	X		X	
DILUENT	X						X	X	X	
EDI						X	X		X	
EDI							X	X	X	
EDI								X	X	
LOSSCR						X	X		X	
LOWVOL	X					X	X		X	
OTHER						X	X		X	X
OTHER							X	X	X	X
OTHER								X	X	X
RECCON	X			X	X		X		X	
RECTRK	X	X		X	X		X		X	
TAF			X			X	X		X	
TAF			X				X	X	X	
TRFIS			X	X			X		X	
TRFIF	X			X	X		X		X	

- **The Invoice Discrepancy report identifies discrepancies between the Invoice and the corresponding Shipper Balances. To do this, it uses the following fields on the Invoice:**
  - Submitting BA ID (based on which BAID is currently logged on)
  - Shipper BA ID
  - Production Month
  - Submitting Facility ID
  - Stream Type

- Activity (RECCON,RECTRK,TRFIF and TRFIS activities only)
- Connected From/To Facility ID and From/To Facility ID, as applicable
- Volume

### 3. SINGLE SHIPPER INVOICE DEFINITIONS

Business Name	Description
<b>Key Fields</b>	
Submitting BA ID	BA identifier of the submitting BA. Taken from the granted BA key.
Submitting BA ID Province/State	The jurisdiction of the Submitting BA ID. AB or SK.
Invoice Number	Alphanumeric user-supplied invoice number.
Shipper BA ID	The Alberta BA identifier of the Shipper BA for record. This can be A6JG (APMC Agent: Shell) or OPMC.
Production Month	The production month of the Single Shipper Invoice.
<b>Header Fields</b>	
Invoice Date	User-supplied invoice date.
Payment Due Date	User-supplied payment due date.
Amendment Number	Petrinex-supplied amendment number for the submission. Available on Query screen.
Received Date	Petrinex-supplied date of submission receipt. Available on Query screen.
Contact – First Name	First Name of submitting BA contact person.
Contact – Last Name	Last Name of submitting BA contact person.
Contact – Email	Email address of submitting BA contact person.
Contact – Phone	Phone number of submitting BA contact person.
Currency	Currency of invoice – either CAD or USD.
Admin Fees	Invoice-level admin fees.
Subtotal	Invoice-level sub-total; should equal sum of all detail rows within all summaries + invoice-level admin fees.
Tax Code	Tax code – one of PST, GST, HST, or UST. Up to two tax rows are permitted.
Tax Amount	Tax amount for the given tax code.
Total Charges	Invoice-level total; should equal sum of subtotal + all tax amounts.
Reference Code	Standard Petrinex 16 character reference field.
<b>Summary Fields</b>	
Submitting Facility ID	Standard Petrinex facility identifier for a PL, TM, or CT facility. The Name and Location of the facility are included as display-only fields.
Stream Type	The stream type. Values are included in a code table and may include: CRW, HSO, LSB, MSO, MSW, SHE, SLE, SO, CRD, C5+, LLB, WCB, F, BR, MBL, CAL, ACR, SW, LSO, WCS, LLK
<b>Detail Fields</b>	
Activity	The activity or fee type related to the Single Shipper Invoice detail row. Values may include: RECCON, RECTRK, TRFIF, TRFIS, TRFOF, TRFOS, EDI, LOSS <b>NOTE:</b> See Appendix A for details.
Description	A description for the activity (mostly optional)

Business Name	Description
Connected From/To Facility ID	The delivering facility identifier from which a volume was transferred. Standard Petrinex facility identifier. The Name and Location of the facility are included as display-only fields.
From/To Facility ID	The receiving facility identifier to which a volume was transferred. Used in conjunction with RECTRK activity. Standard Petrinex facility identifier. The Name and Location of the facility are included as display-only fields.
Contract Number	The contract number
From/To BA ID Province/State	The jurisdiction of the From/To BA identifier.
From/To BA ID	The BA identifier to which the transfer occurred. Used in conjunction with TRFOS and TRFIS activity.
Base Price	The base price in \$/m3 to two decimal places.
Deductions	The sum of the deductions is subtracted from the base price to yield the net price. The deductions are rates in \$/m3 to 6 decimals places for a specific deduction type. The deduction types are defined in a code table. Petrinex will collect a type, value and description for each of these. <b>NOTE:</b> See Appendix B for details.
Net price	The net price in \$/m3 to two decimal places.
Volume	Volume of detail row to 1 decimal place.
Rate	Rate of detail row. 6 decimal places. Expect corresponding Volume supplied.
Quantity	Quantity of detail row. Whole number. Expect either Volume or Quantity.
Flat Fee	Flat fee of detail row. 2 decimal places. Expect corresponding Quantity supplied.
Value	Value of detail row. 2 decimal places. Expected to equal Volume * Rate or Quantity * Flat Fee or Net Price * Volume.
Density	Density value in kg/m3 to 1 decimal, Qualifier (A – Analysis, E – Estimate, P – Penalty, W – WADF) and Sample date (YYYY-MM format)
Density Qualifier	Density Qualifier (A – Analysis, E – Estimate, P – Penalty, W – WADF)
Density Date	Density sample date (YYYY-MM)
Sulphur	Sulphur value in wt% to 2 decimals, Qualifier (A,E,P or W) and Sample date (YYYY-MM format)
Sulphur Qualifier	Sulphur Qualifier (A – Analysis, E – Estimate, P – Penalty, W – WADF)
Sulphur Date	Sulphur sample date (YYYY-MM)
Butane	Butane value in vol% to 2 decimals,
Butane Qualifier	Butane Qualifier (A – Analysis, E – Estimate, P – Penalty, W – WADF)
Butane Date	Butane sample date (YYYY-MM)
Propane	Propane value in vol% to 2 decimals, Qualifier (A,E,P or W) and Sample date (YYYY-MM format)
Propane Qualifier	Propane Qualifier (A – Analysis, E – Estimate, P – Penalty, W – WADF)
Propane Date	Propane sample date (YYYY-MM)

## 4. TARIFF INVOICE SUBMISSIONS EDITS

The following edits only apply to the Edit Tariff Invoice unit task

Business Name	Validation Rule	Result Type	Message	Message Number
<b>Key Fields</b>				
Invoice Number	Invoice Number must be entered.	ERROR	Invoice Number cannot be blank.	MSG002
Shipper BA ID	Shipper BA must be entered.	ERROR	Shipper BA ID cannot be blank.	MSG002
Shipper BA ID	Shipper BA must be valid. Can only be APMC (OPMC) or their agent (currently Shell (A6JG)).	ERROR	Shipper BA ID [Shipper BA ID] is not valid. Must be one of [BA list].	ARI004
Shipper BA ID	Shipper BA must be Active in Petrinex based on the BA Corporate Status Active Indicator.	ERROR	Shipper BA ID [Shipper BA ID] is not active in Petrinex for Production Month [Production Month].	ARI006
Production Month	If the prior production month submission has <b>not</b> been 'unlocked', then the production month must be the current Tariff Invoice production month.	ERROR	Production Month [Production Month] must be equal to the current Tariff Invoice Production Month [Production Month].	ARI005
Production Month	Production Month must be valid. Format: YYYY-MM.	ERROR	Production Month [Production Month] is not valid. The format should be YYYY-MM.	ARI002
Production Month	Production Month must be entered.	ERROR	Production Month cannot be blank.	MSG002
Production Month	Should not be earlier than the APMC Reporting implementation date.	ERROR	Production Month [Production Month] is prior to APMC Reporting implementation date [Implementation Month].	ARI003
<b>Header Fields</b>				
Invoice Date	Invoice date must be entered.	ERROR	Invoice Date cannot be blank.	MSG002
Invoice Date	Invoice date must be valid. Format: YYYY-MM-DD.	ERROR	Field Invoice Date [Invoice Date] is not valid. Format should be YYYY-MM-DD.	MSG042
Payment Due Date	Payment due date must be valid. Format: YYYY-MM-DD.	ERROR	Field Payment Due Date [Payment Due Date] is not valid. Format should be YYYY-MM-DD.	MSG042

Business Name	Validation Rule	Result Type	Message	Message Number
Contact – First Name	First Name must be entered.	ERROR	First Name cannot be blank.	MSG002
Contact – Last Name	Last Name must be entered.	ERROR	Last Name cannot be blank.	MSG002
Contact – Email	Email must be entered.	ERROR	Email cannot be blank.	MSG002
Contact – Phone	Phone must be entered.	ERROR	Phone cannot be blank.	MSG002
Currency	Currency must be entered.	ERROR	Currency cannot be blank.	MSG002
Currency	Currency must be valid. Currently, either 'CAD' or 'USD'.	ERROR	Currency [Currency] is not valid. Must be one of [Currency list].	ARI004
Admin Fees	Admin Fees must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Admin Fees [Admin Fees] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal must be entered.	ERROR	Subtotal cannot be blank.	MSG002
Subtotal	Subtotal must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Subtotal [Subtotal] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal should equal the sum of all detail row Value amounts + Admin Fees amount.	WARNING	Subtotal [Subtotal] does not equal detail amounts + Admin Fees [amount].	ARI008
Tax Code	For Tariffs, no taxes should be reported.	ERROR	Tax Code is not permitted for Tariff Invoices.	ARI040
Total	Total must be entered.	ERROR	Total cannot be blank.	MSG002
Total	Total must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Total [Total] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Total	Total should equal Subtotal amount..	WARNING	Total [Total] does not equal Subtotal [amount].	ARI041
<b>Summary Fields</b>				

Business Name	Validation Rule	Result Type	Message	Message Number
Submitting Facility ID	Submitting Facility ID must be entered.	ERROR	Submitting Facility ID cannot be blank.	MSG002
Submitting Facility ID	Submitting Facility ID must exist in Petrinex.  <b>For BC facilities:</b> The facility ID must exist in the code table of valid BC facilities (please see Appendix C).	ERROR	Field Submitting Facility ID [Submitting Facility ID] must exist in Petrinex.	MSG003
Submitting Facility ID	Submitting Facility ID must be active in Petrinex.	ERROR	Submitting Facility ID [Submitting Facility ID] must be active in Petrinex.	ARI011
Submitting Facility ID	Submitting Facility ID must be eligible for Tariff Invoice submissions (check APMC Reporting Facility attribute).  <b>For SK facilities:</b> The facility ID must exist in the code table of valid SK OOP flagged facilities (please see Appendix D).	ERROR	Submitting Facility ID [Submitting Facility ID] must be an eligible PL/TM/CT for Tariff Invoice submissions.	ARI012
Stream Type	Stream Type must be entered.	ERROR	Stream Type cannot be blank.	MSG002
Stream Type	Stream Type must be valid.	ERROR	Stream Type [Stream Type] must be valid in Petrinex.	ARI014
Submitting Facility ID / Stream Type	The combination of Submitting Facility ID and Stream Type must be unique within the context of the invoice.	ERROR	Submitting Facility [Submitting Facility] and Stream Type [Stream Type] is already used in this invoice.	ARI035
<b>Details Fields</b>				
Activity	Activity must be entered.	ERROR	Activity cannot be blank.	MSG003
Activity	Activity must be valid for Tariff Invoice submissions. See code table (Appendix A).	ERROR	Activity [Activity] is invalid.	ARI016
Activity	Check for existence of Shipper Balance record when Activity is one	WARNING	Shipper Balance record not found for Activity [Activity], Connected From/To Facility	ARI019

Business Name	Validation Rule	Result Type	Message	Message Number
	of RECCON, RECTRK, TRFIF, or TRFOF. See Appendix A for details.		[Connected From/To Facility ID], and From/To Facility [From/To Facility ID].	
Description	Description is required for activity OTHER	ERROR	Description is required for activity [activity].	ARI018
Connected From/To Facility ID	Connected From/To Facility must exist in Petrinex.	ERROR	Connected From/To Facility [Connected From/To Facility ID] must exist in Petrinex.	MSG003
Connected From/To Facility ID	Connected From/To Facility must be active in Petrinex.	ERROR	Connected From/To Facility [Connected From/To Facility ID] must be active in Petrinex.	ARI011
Connected From/To Facility ID	Connected From/To Facility must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	Connected From/To Facility ID cannot be blank with Activity [Activity].	ARI020
Connected From/To Facility ID	Connected From/To Facility ID must not be entered when not required.	ERROR	Connected From/To Facility ID must be blank with Activity [Activity].	ARI045
From/To Facility ID	From/To Facility must exist in Petrinex. Only AB and SK are accepted.	ERROR	From/To Facility [From/To Facility ID] must exist in Petrinex.	MSG003
From/To Facility ID	From/To Facility must be active in Petrinex.	ERROR	From/To Facility [From/To Facility ID] must be active in Petrinex.	ARI011
From/To Facility ID	From/To Facility must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	From/To Facility ID cannot be blank with Activity [Activity].	ARI020
From/To Facility ID	Connected From/To Facility ID must not be entered when not required.	ERROR	Connected From/To Facility ID must be blank with Activity [Activity].	ARI045
From/To BA ID	If entered, From/To BA ID is not required for Tariff Invoice submissions.	ERROR	From/To BA ID is not permitted for Tariff Invoices.	ARI040
From/To BA Province/State	If entered, From/To BA Province/State is not required for Tariff Invoice submissions.	ERROR	From/To BA ProvState is not permitted for Tariff Invoices.	ARI040



Business Name	Validation Rule	Result Type	Message	Message Number
Volume	Volume cannot be blank for activities that require them and do not offer alternatives (Volume or Quantity).	ERROR	Volume cannot be blank with Activity [Activity].	ARI020
Volume	Volume should have a numeric value.	ERROR	Field Volume [volume] has an invalid format, must be Numeric.	MSG023
Volume	Volume must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Volume [Volume] is invalid, max 17 digits before decimal place and max 1 digits after.	ARI026
Rate	Rate must not be entered when not required.	ERROR	Rate must be blank with Activity [Activity].	ARI045
Rate	Rate must be entered if Flat Fee is not reported.	ERROR	Rate must be entered if Flat Fee is not reported.	ARI039
Rate	Rate cannot be blank for activities that require them and do not offer alternatives (Rate or Flat Fee).	ERROR	Rate cannot be blank with Activity [Activity].	ARI020
Rate	Only Rate or quantity might be reported for the same activity.	ERROR	Either Rate or Flat Fee can be reported for Activity [Activity].	ARI043
Rate	If the Rate is reported then a volume should be reported.	ERROR	If Rate is reported then Volume must not be blank.	ARI044
Rate	Rate should have a numeric value.	ERROR	Field Volume [rate] has an invalid format, must be Numeric.	MSG023
Rate	Rate must be valid. Format: After removing leading and trailing zeroes, Max 12 digits before decimal point and max 6 digits after. Allow positive or negative.	ERROR	Rate [Rate] is invalid, max 12 digits before decimal place and max 6 digits after.	ARI027
Quantity	Quantity must not be entered when not required.	ERROR	Quantity must be blank with Activity [Activity].	ARI045
Quantity	Quantity must be entered if Flat Fee is not reported.	ERROR	Quantity must be entered if Flat Fee is not reported.	ARI039
Quantity	Quantity cannot be blank for activities	ERROR	Quantity cannot be blank with Activity	ARI020

Business Name	Validation Rule	Result Type	Message	Message Number
	that require them and do not offer alternatives (Rate or Flat Fee).		[Activity].	
Quantity	If the quantity is reported then a flat fee should be reported.	ERROR	If Quantity is reported then Flat Fee must not be blank.	ARI044
Quantity	Quantity should have a numeric value.	ERROR	Field Quantity [quantity] has an invalid format, must be Numeric.	MSG023
Quantity	Quantity must be valid. Format: After removing leading and trailing zeroes, Max 18 digits before decimal point and 0 digits after. Allow positive or negative.	ERROR	Quantity [Quantity] is invalid, max 18 digits before decimal place and 0 digits after.	ARI028
Flat Fee	Flat Fee must not be entered when not required.	ERROR	Flat Fee must be blank with Activity [Activity].	ARI045
Flat Fee	Flat Fee must be entered if Rate is not reported.	ERROR	Flat Fee must be entered if Rate is not reported.	ARI039
Flat Fee	Flat Fee cannot be blank for activities that require them and do not offer alternatives (Rate or Flat Fee).	ERROR	Flat Fee cannot be blank with Activity [Activity].	ARI020
Flat Fee	If the quantity is reported then a flat fee should be reported.	ERROR	If Flat Fee is reported then Quantity must not be blank.	ARI044
Flat Fee	Flat Fee should have a numeric value.	ERROR	Field Flat Fee [Flat Fee] has an invalid format, must be Numeric.	MSG023
Flat Fee	Flat Fee must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and 2 digits after. Allow positive or negative.	ERROR	Flat Fee [Flat Fee] is invalid, max 16 digits before decimal place and 2 digits after.	ARI007
Value	Value cannot be blank for activities that require them and do not offer alternatives (Rate or Flat Fee).	ERROR	Value cannot be blank with Activity [Activity].	ARI020
Value	Value should have a numeric value.	ERROR	Field Value [Value] has an invalid format, must be Numeric.	MSG023
Value	Value must be valid.	ERROR	Value [Value] is invalid, max 16 digits before	ARI007

Business Name	Validation Rule	Result Type	Message	Message Number
	Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and 2 digits after. Allow positive or negative.		decimal place and 2 digits after.	
Value	If a Quantity and Flat Fee was supplied, the Value should equal the Quantity * Flat Fee to two decimal places.  If a Rate and Volume was supplied, the Value should equal the (Volume * Rate) rounded up to two decimal places..	WARNING	The calculated Value [Calculated Value] does not match the supplied Value [Value].	ARI029
Submission	When user clicks Submit or Save To WIP button and there are errors on summary or detail level	ERROR	Errors exist at the Summary or Detail level. Click the Edit or Details buttons to view those errors.	ARI046
Submission	When Petrinex has successfully saved the data, a message is displayed to the user.	INFO	The data was successfully submitted for Invoice Number [Invoice Number], Production Month [Production Month] and Amendment Number [Amendment].	ARI030

## 5. TARIFF INVOICE REQUIRED FIELDS SUMMARY

- **Validations for Edit Tariff Invoice – Detail Fields:** the following table shows the required fields depending on the activity selected.

	Connected Facility	From To Facility	Volume	Rate	Quantity	Flat Fee	Value	Description
DILUENT	x		x	x			x	
EDI			x	x			x	
LOSSCR			x	x			x	
LOSSCR					x	x	x	
OTHER			x	x			x	x
OTHER					x	x	x	x
OVRSHRT			x	x			x	
RECCON	x		x	x			x	
RECTRK	x	x	x	x			x	
TAF			x	x			x	
TAF					x	x	x	
TRFIF	x		x	x			x	
TRFIS			x	x			x	

- **Note: The Invoice Discrepancy report identifies discrepancies between the Invoice and the corresponding Shipper Balances. To do this, it uses the following fields on the Invoice:**
  - Submitting BA ID
  - Shipper BA ID
  - Production Month
  - Submitting Facility ID
  - Stream Type
  - Activity (RECCON,RECTRK,TRFIF and TRFIS activities only)
  - Connected From/To Facility ID and From/To Facility ID, as applicable
  - Volume

## 6. TARIFF INVOICE DEFINITIONS

Business Name	Description
<b>Key Fields</b>	
Submitting BA ID	BA identifier of the submitting BA. Taken from the granted BA key.
Submitting BA ID Province/State	The jurisdiction of the Submitting BA ID. AB or SK.
Invoice Number	Alphanumeric user-supplied invoice number.
Shipper BA ID	BA identifier of the shipper BA. APMC (OPMC) or its agent (Shell - A6JG).
Production Month	The production month of the Tariff Invoice.
<b>Header Fields</b>	
Invoice Date	User-supplied invoice date.
Payment Due Date	User-supplied payment due date.
Amendment Number	Petrinex-supplied amendment number for the submission. Available on Query screen.
Received Date	Petrinex-supplied date of submission receipt. Available on Query screen.
Contact – First Name	First Name of submitting BA contact person.
Contact – Last Name	Last Name of submitting BA contact person.
Contact – Email	Email address of submitting BA contact person.
Contact – Phone	Phone number of submitting BA contact person.
Currency	Currency of invoice – either CAD or USD.
Admin Fees	Invoice-level admin fees.
Subtotal	Invoice-level subtotal; should equal sum of all detail rows within all summaries + invoice-level admin fees.
Tax Code	Tax code – only GST allowed for Tariff invoices. One tax row is permitted.
Tax Amount	Tax amount for the given tax code.
Total	Invoice-level total; should equal sum of subtotal + all tax amounts.
Reference Code	Standard Petrinex 16 character reference field.
<b>Summary Fields</b>	
Submitting Facility ID	Standard Petrinex facility identifier for a PL, TM, or CT facility.
Stream Type	The stream type. Values are included in a code table and may include: CRW, HSO, LSB, MSO, MSW, SHE, SLE, SO, CRD, C5+, LLB, WCB, F, BR, MBL, CAL, ACR, SW, LSO, WCS, LLK
<b>Detail Fields</b>	
Activity	The activity or fee type related to the Tariff Invoice detail row. For example: RECCON, RECTRK, TRFIF, TRFOS, EDI, OTHER, etc. See Appendix A for details.
Description	User-supplied detail row description.
Connected From/To Facility	The connected from/to facility identifier from which a volume was transferred. Standard Petrinex facility identifier.

Business Name	Description
From/To Facility	The from/to facility identifier to which a volume was transferred. Used in conjunction with RECTRK activity. Standard Petrinex facility identifier.
Volume	Volume of detail row. 1 decimal place.
Quantity	Quantity of detail row. Whole number. Expect either Volume or Quantity.
Rate	Rate of detail row. 6 decimal places. Expect corresponding Volume supplied.
Flat Fee	Flat fee of detail row. 2 decimal places. Expect corresponding Quantity supplied.
Value	Value of detail row. 2 decimal places. Expect to equal Volume * Rate or Quantity * Flat Fee.

## 7. EQUALIZATION INVOICE SUBMISSIONS EDITS

Business Name	Validation Rule	Result Type	Message	Message Number
<b>Key Fields</b>				
Invoice Number	Invoice Number must be entered.	ERROR	Invoice Number cannot be blank.	MSG002
Shipper BA ID	Shipper BA must be entered.	ERROR	Shipper BA ID cannot be blank.	MSG002
Shipper BA ID	Shipper BA must be valid. Can only be APMC (OPMC) or their agent (currently Shell (A6JG)).	ERROR	Shipper BA ID [Shipper BA ID] is not valid. Must be one of [BA list].	ARI004
Shipper BA ID	Shipper BA must be Active in Petrinex based on the BA Corporate Status Active Indicator.	ERROR	Shipper BA ID [Shipper BA ID] is not active in Petrinex for Production Month [Production Month].	ARI006
Production Month	If the prior production month submission has <b>not</b> been 'unlocked', then the production month must be the current Equalization Invoice production month.	ERROR	Production Month [Production Month] must be equal to the current Equalization Invoice Production Month [Production Month].	ARI005
Production Month	Production Month must be valid. Format: YYYY-MM.	ERROR	Production Month [Production Month] is not valid. The format should be YYYY-MM.	ARI002
Production Month	Production Month must be entered.	ERROR	Production Month cannot be blank.	MSG002
Production Month	Should not be earlier than the APMC Reporting implementation date.	ERROR	Production Month [Production Month] is prior to APMC Reporting implementation date [Implementation Month].	ARI003
<b>Header Fields</b>				
Invoice Date	Invoice date must be entered.	ERROR	Invoice Date cannot be blank.	MSG002
Invoice Date	Invoice date must be valid. Format: YYYY-MM-DD.	ERROR	Invoice Date [Invoice Date] is not valid. Format should be YYYY-MM-DD.	MSG042
Payment Due Date	Payment due date must be valid. Format: YYYY-MM-DD.	ERROR	Payment Due Date [Payment Due Date] is not valid. Format should be YYYY-MM-DD.	MSG042
Contact – First Name	First Name must be entered.	ERROR	First Name cannot be blank.	MSG002

Business Name	Validation Rule	Result Type	Message	Message Number
Contact – Last Name	Last Name must be entered.	ERROR	Last Name cannot be blank.	MSG002
Contact – Email	Email must be entered.	ERROR	Email cannot be blank.	MSG002
Contact – Phone	Phone must be entered.	ERROR	Phone cannot be blank.	MSG002
Currency	Currency must be entered.	ERROR	Currency cannot be blank.	MSG002
Currency	Currency must be valid. Currently, either 'CAD' or 'USD'.	ERROR	Currency [Currency] is not valid. Must be one of [Currency list].	ARI004
Admin Fees	Admin Fees must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Admin Fees [Admin Fees] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal must be entered.	ERROR	Subtotal cannot be blank.	MSG002
Subtotal	Subtotal must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Subtotal [Subtotal] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal should equal the sum of all summary row Subtotal amounts + Admin Fees amount..	WARNING	Subtotal [Subtotal] does not equal summary subtotal amounts + Admin Fees [amount].	ARI038
Tax Code	For Equalizations, 0, 1 or 2 tax rows are allowed.	ERROR	No more than two tax rows are permitted for Equalization Invoices.	ARlxxx
Tax Code	For Equalizations, if there are 2 tax rows then one must be 'PST' and the other must be 'GST'. No other combination is valid.	ERROR	For two tax rows one must be 'PST' and the other must be 'GST'.	ARI036?
Tax Code	Tax Code must be valid for Equalizations. Currently, 'GST', 'PST', 'HST', or 'UST'.	ERROR	Tax Code [Tax Code] is not valid. Must be one of [Tax Code list].	ARI004
Tax Code	Tax Code must be valid for Currency for Equalizations. Currently, 'GST', 'PST', or 'HST' for 'CAD'. 'UST' for 'USD'.	ERROR	Tax Code [Tax Code] is not valid for Currency [Currency].	ARI009



Business Name	Validation Rule	Result Type	Message	Message Number
Tax Code	For Equalizations, if Tax Amount is entered, then Tax Code cannot be blank.	ERROR	Tax Code cannot be blank.	MSG002
Tax Amount	For Equalizations, if Tax Code is entered, then Tax Amount cannot be blank.	ERROR	Tax Amount cannot be blank.	MSG002
Tax Amount	Tax Amount must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Tax Amount [Tax Amount] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Total	Total must be entered.	ERROR	Total cannot be blank.	MSG002
Total	Total must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Total [Total] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Total	Total should equal the sum of all Tax Amounts + Subtotal amount..	WARNING	Total [Total] does not equal tax amounts + Subtotal [amount].	ARI010
<b>Summary Fields</b>				
Submitting Facility ID	Submitting Facility ID must be entered.	ERROR	Submitting Facility ID cannot be blank.	MSG002
Submitting Facility ID	Submitting Facility ID must exist in Petrinex.  <b>For BC facilities:</b> The facility ID must exist in the code table of valid BC facilities (please see Appendix C).	ERROR	Field Submitting Facility ID [Submitting Facility ID] must exist in Petrinex.	MSG003
Submitting Facility ID	Submitting Facility ID must be active in Petrinex.	ERROR	Submitting Facility ID [Submitting Facility ID] must be active in Petrinex.	ARI011
Submitting Facility ID	Submitting Facility ID must be eligible	ERROR	Submitting Facility ID [Submitting Facility ID]	ARI012

Business Name	Validation Rule	Result Type	Message	Message Number
	for Equalization Invoice submissions (check APMC Reporting Facility attribute).  <b>For SK facilities:</b> The facility ID must exist in the code table of valid SK OOP flagged facilities (please see Appendix D).		must be an eligible PL/TM/CT for Equalization Invoice submissions.	
Stream Type	Stream Type must be entered.	ERROR	Stream Type cannot be blank.	MSG002
Stream Type	Stream Type must be valid.	ERROR	Stream Type [Stream Type] must be valid in Petrinex.	ARI014
Submitting Facility ID / Stream Type	The combination of Submitting Facility ID and Stream Type must be unique within the context of the invoice.	ERROR	Submitting Facility [Submitting Facility] and Stream Type [Stream Type] is already used in this invoice.	ARI015
Stream Differential	Stream Differential must be entered.	ERROR	Stream Differential cannot be blank.	MSG002
Stream Differential	Stream Differential must be numeric	ERROR	Field Stream Differential [Stream Differential] has an invalid format, must be Numeric.	MSG023
Stream Differential	Stream Differential must be valid. Format: After removing leading and trailing zeroes, Max 12 digits before decimal point and max 6 digits after. Allow positive or negative.	ERROR	Stream Differential [Stream Differential] is invalid, max 12 digits before decimal place and max 6 digits after.	ARI027
Shipper Differential	Shipper Differential must be entered.	ERROR	Shipper Differential cannot be blank.	MSG002
Shipper Differential	Shipper Differential must be numeric	ERROR	Field Shipper Differential [Shipper Differential] has an invalid format, must be Numeric.	MSG023
Shipper Differential	Shipper Differential must be valid. Format: After removing leading and trailing zeroes, Max 12 digits before decimal point and max 6 digits after. Allow positive or negative.	ERROR	Shipper Differential [Shipper Differential] is invalid, max 12 digits before decimal place and max 6 digits after.	ARI027
Stream Density	Stream Density must be entered.	ERROR	Stream Density cannot be blank.	MSG002

Business Name	Validation Rule	Result Type	Message	Message Number
Stream Density	Stream Density must be numeric	ERROR	Field Stream Density [Stream Density] has an invalid format, must be Numeric.	MSG023
Stream Density	Stream Density must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Positive number greater than zero.	ERROR	Stream Density [Stream Density] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI026
Stream Sulphur	Stream Sulphur must be entered.	ERROR	Stream Sulphur cannot be blank.	MSG002
Stream Sulphur	Stream Sulphur must be numeric	ERROR	Field Stream Sulphur [Stream Sulphur] has an invalid format, must be Numeric.	MSG023
Stream Sulphur	Stream Sulphur must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Positive number greater than zero.	ERROR	Stream Sulphur [Stream Sulphur] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Stream Volume	Stream Volume must be entered.	ERROR	Stream Volume cannot be blank.	MSG002
Stream Volume	Stream Volume must be numeric	ERROR	Field Stream Volume [Stream Volume] has an invalid format, must be Numeric.	MSG023
Stream Volume	Stream Volume must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Stream Volume [Stream Volume] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI027
Stream Value	Stream Value must be entered.	ERROR	Stream Value cannot be blank.	MSG002
Stream Value	Stream Value must be numeric	ERROR	Field Stream Value [Stream Value] has an invalid format, must be Numeric.	MSG023
Stream Value	Stream Value must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.	ERROR	Stream Value [Stream Value] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Shipper Volume	Shipper Volume must be entered.	ERROR	Shipper Volume cannot be blank.	MSG002

Business Name	Validation Rule	Result Type	Message	Message Number
Shipper Volume	Shipper Volume must be numeric	ERROR	Field Shipper Volume [Shipper Volume] has an invalid format, must be Numeric.	MSG023
Shipper Volume	Shipper Volume must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Shipper Volume [Shipper Volume] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI027
Shipper Value	Shipper Value must be entered.	ERROR	Shipper Value cannot be blank.	MSG002
Shipper Value	Shipper Value must be numeric	ERROR	Field Shipper Value [Shipper Value] has an invalid format, must be Numeric.	MSG023
Shipper Value	Shipper Value must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.	ERROR	Shipper Value [Shipper Value] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Subtotal	Subtotal must be entered.	ERROR	Subtotal cannot be blank.	MSG002
Subtotal	Subtotal must be numeric	ERROR	Field Subtotal [Subtotal] has an invalid format, must be Numeric.	MSG023
Subtotal	Subtotal must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive, negative, or zero.	ERROR	Subtotal [Subtotal] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
<b>Details Fields</b>				
Activity	Activity must be entered.	ERROR	Activity cannot be blank.	MSG002
Activity	Activity must be valid for Equalization Invoice submissions. See code table (Appendix A).	ERROR	Activity [Activity] is invalid.	ARI016
Activity	Check for existence of Shipper Balance record when Activity is one of RECCON, RECTRK, TRFIF, or TRFOF.	WARNING	Shipper Balance record not found for Activity [Activity], Connected From/To Facility [Connected From/To Facility ID], and From/To Facility [From/To Facility ID].	ARI019

Business Name	Validation Rule	Result Type	Message	Message Number
	See Appendix A for details.			
Connected From/To Facility ID	Connected From/To Facility must exist in Petrinex.	ERROR	Field Connected From/To Facility [Connected From/To Facility ID] must exist in Petrinex.	MSG003
Connected From/To Facility ID	Connected From/To Facility must be active in Petrinex.	ERROR	Connected From/To Facility [Connected From/To Facility ID] must be active in Petrinex.	ARI011
Connected From/To Facility ID	Connected From/To Facility must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	Connected From/To Facility ID cannot be blank with Activity [Activity].	ARI020
From/To Facility ID	From/To Facility must exist in Petrinex. Only AB and SK are accepted.	ERROR	Field From/To Facility [From/To Facility ID] must exist in Petrinex.	MSG003
From/To Facility ID	From/To Facility must be active in Petrinex.	ERROR	From/To Facility [From/To Facility ID] must be active in Petrinex.	ARI011
From/To Facility ID	From/To Facility must be entered for some activities. See Appendix A for detail on which activities require this field.	ERROR	From/To Facility ID cannot be blank with Activity [Activity].	ARI020
From/To Facility ID	From/To Facility must be blank for some activities. See Appendix A for details on which activities don't have this field.	ERROR	From/To Facility ID must be blank with Activity [Activity].	ARI045
From/To BA ID	If entered, From/To BA ID is not required for Equalization Invoice submissions.	ERROR	From/To BA ID must be blank.	ARI025
From/To BA Province/State	If entered, From/To BA Province/State is not required for Equalization Invoice submissions.	ERROR	From/To BA Province/State must be blank.	ARI025
Differential	Differential must be entered.	ERROR	Differential cannot be blank.	MSG002
Differential	Differential must be numeric	ERROR	Field Differential [Differential] has an invalid format, must be Numeric.	MSG023
Differential	Differential must be valid.	ERROR	Differential [Differential] is invalid, max 12 digits before decimal place and max 6 digits	ARI027

Business Name	Validation Rule	Result Type	Message	Message Number
	Format: After removing leading and trailing zeroes, Max 12 digits before decimal point and max 6 digits after. Allow positive or negative.		after.	
Stream Volume	Stream Volume must be entered.	ERROR	Stream Volume cannot be blank.	MSG002
Stream Volume	Stream Volume must be numeric	ERROR	Field Stream Volume [Stream Volume] has an invalid format, must be Numeric.	MSG023
Stream Volume	Stream Volume must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Stream Volume [Stream Volume] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI026
Stream Value	Stream Value must be entered.	ERROR	Stream Value cannot be blank.	MSG002
Stream Value	Stream Value must be numeric	ERROR	Field Stream Value [Stream Value] has an invalid format, must be Numeric.	MSG023
Stream Value	Stream Value must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.	ERROR	Stream Value [Stream Value] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Shipper Volume	Shipper Volume must be entered.	ERROR	Shipper Volume cannot be blank.	MSG002
Shipper Volume	Shipper Volume must be numeric	ERROR	Field Shipper Volume [Shipper Volume] has an invalid format, must be Numeric.	MSG023
Shipper Volume	Shipper Volume must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Allow positive or negative.	ERROR	Shipper Volume [Shipper Volume] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI026
Shipper Value	Shipper Value must be entered.	ERROR	Shipper Value cannot be blank.	MSG002
Shipper Value	Shipper Value must be numeric	ERROR	Field Shipper Value [Shipper Value] has an invalid format, must be Numeric.	MSG023
Shipper Value	Shipper Value must be valid.	ERROR	Shipper Value [Shipper Value] is invalid, max 16 digits before decimal place and max 2	ARI007

Business Name	Validation Rule	Result Type	Message	Message Number
	Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Allow positive or negative.		digits after.	
Density	Density must be entered.	ERROR	Density cannot be blank.	MSG002
Density	Density must be numeric	ERROR	Field Density [Density] has an invalid format, must be Numeric.	MSG023
Density	Density must be valid. Format: After removing leading and trailing zeroes, Max 17 digits before decimal point and max 1 digits after. Positive number greater than zero.	ERROR	Density [Density] is invalid, max 17 digits before decimal place and max 1 digit after.	ARI026
Density Qualifier	If entered, Density Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Density Qualifier [Density Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Density Date	If entered, Density date must be valid. Format: YYYY-MM.	ERROR	Density Date [Density Date] is not valid. Format should be YYYY-MM.	MSG042
Sulphur	Sulphur must be entered.	ERROR	Sulphur cannot be blank.	MSG002
Sulphur	Sulphur must be numeric	ERROR	Field Sulphur [Sulphur] has an invalid format, must be Numeric.	MSG023
Sulphur	Sulphur must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Positive number greater than zero.	ERROR	Sulphur [Sulphur] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Sulphur Qualifier	If entered, Sulphur Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Sulphur Qualifier [Sulphur Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Sulphur Date	If entered, Sulphur date must be valid. Format: YYYY-MM.	ERROR	Sulphur Date [Sulphur Date] is not valid. Format should be YYYY-MM.	MSG042
Butane	If entered, Butane must be numeric	ERROR	Field Butane [Butane] has an invalid format, must be Numeric.	MSG023

Business Name	Validation Rule	Result Type	Message	Message Number
Butane	If entered, Butane must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Positive number greater than zero.	ERROR	Butane [Butane] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Butane Qualifier	If entered, Butane Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Butane Qualifier [Butane Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Butane Date	If entered, Butane date must be valid. Format: YYYY-MM.	ERROR	Butane Date [Butane Date] is not valid. Format should be YYYY-MM.	MSG042
Propane	If entered, Propane must be numeric	ERROR	Field Propane [Propane] has an invalid format, must be Numeric.	MSG023
Propane	If entered, Propane must be valid. Format: After removing leading and trailing zeroes, Max 16 digits before decimal point and max 2 digits after. Positive number greater than zero.	ERROR	Propane [Propane] is invalid, max 16 digits before decimal place and max 2 digits after.	ARI007
Propane Qualifier	If entered, Propane Qualifier must be one of A – Analysis, E – Estimate, P – Penalty, W – Weighted Average.	ERROR	Propane Qualifier [Propane Qualifier] is invalid. Must be one of [Qualifier list].	ARI004
Propane Date	If entered, Propane date must be valid. Format: YYYY-MM.	ERROR	Propane Date [Propane Date] is not valid. Format should be YYYY-MM.	MSG042
Submission	When user clicks Submit or Save To WIP button and there are errors on summary or detail level	ERROR	Errors exist at the Summary or Detail level. Click the Edit or Details buttons to view those errors.	ARI046
Submission	When Petrinex has successfully saved the data, a message is displayed to the user.	INFO	The data was successfully submitted for Invoice Number [Invoice Number], Production Month [Production Month] and Amendment Number [Amendment].	ARI030



## 8. EQUALIZATION INVOICE REQUIRED FIELDS SUMMARY

- **Validations for Edit Equalization Invoice – Detail Fields:** the following table shows the required fields depending on the activity selected.

	Connected From/To Facility	From/To Facility	Volume	Description
RECCON	x		x	
RECTRK	x	x	x	
TRFIF	x		x	
TRFOF	x		x	

- 
- **The Invoice Discrepancy report identifies discrepancies between the Invoice and the corresponding Shipper Balances. To do this, it uses the following fields on the Invoice:**
  - Submitting BA ID
  - Shipper BA ID
  - Production Month
  - Submitting Facility ID
  - Stream Type
  - Activity (all activities)
  - Connected From/To Facility ID and From/To Facility ID, as applicable
  - Shipper Volume

## 9. EQUALIZATION INVOICE DEFINITIONS

Business Name	Description
<b>Key Fields</b>	
Submitting BA ID	BA identifier of the submitting BA. Taken from the granted BA key.
Submitting BA ID Province/State	The jurisdiction of the Submitting BA ID. AB or SK.
Invoice Number	Alphanumeric user-supplied invoice number.
Shipper BA ID	BA identifier of the shipper BA. APMC (OPMC) or its agent (Shell - A6JG).
Production Month	The production month of the Equalization Invoice.
<b>Header Fields</b>	
Invoice Date	User-supplied invoice date.
Payment Due Date	User-supplied payment due date.
Amendment Number	Petrinex-supplied amendment number for the submission. Available on Query screen.
Received Date	Petrinex-supplied date of submission receipt. Available on Query screen.
Contact – First Name	First Name of submitting BA contact person.
Contact – Last Name	Last Name of submitting BA contact person.
Contact – Email	Email address of submitting BA contact person.
Contact – Phone	Phone number of submitting BA contact person.
Currency	Currency of invoice – either CAD or USD.
Admin Fees	Invoice-level admin fees.
Subtotal	Invoice-level subtotal; should equal sum of all summary-level subtotal amounts + invoice-level admin fees.
Tax Code	Tax code – GST, PST, HST, or UST. Two tax rows are permitted.
Tax Amount	Tax amount for the given tax code.
Total	Invoice-level total; should equal sum of subtotal + all tax amounts.
Reference Code	Standard Petrinex 16 character reference field.
<b>Summary Fields</b>	
Submitting Facility ID	Standard Petrinex facility identifier for a PL, TM, or CT facility.
Stream Type	The stream type. Values are included in a code table and may include: CRW, HSO, LSB, MSO, MSW, SHE, SLE, SO, CRD, C5+, LLB, WCB, F, BR, MBL, CAL, ACR, SW, LSO, WCS, LLK
Stream Differential	The differential for the entire stream at this submitting facility.
Shipper Differential	The differential for the shipper's portion of the entire stream at this submitting facility.
Stream Density	The average density for the entire stream at this submitting facility.
Stream Sulphur	The average sulphur for the entire stream at this submitting facility.
Stream Volume	The volume of the entire stream at this submitting facility.

<b>Business Name</b>	<b>Description</b>
Stream Value	The value of the entire stream at stream differential at this submitting facility.
Shipper Volume	The volume of the shipper's portion of the entire stream at this submitting facility.
Shipper Value	The value of the shipper's portion of the entire stream at shipper differential at this submitting facility.
Subtotal	The shipper's cost to pay, or be paid, at this submitting facility. Difference between shipper's value at stream differential and the shipper's value at shipper's differential.
<b>Detail Fields</b>	
Activity	The activity or fee type related to the Equalization Invoice detail row. For example: RECCON, RECTRK, etc. See Appendix A for details.
Description	User-supplied detail row description.
Connected From/To Facility	The connected from/to facility identifier from which a volume was transferred. Standard Petrinex facility identifier.
From/To Facility	The from/to facility identifier to which a volume was transferred. Used in conjunction with RECTRK activity. Standard Petrinex facility identifier.
Differential	Differential of detail row. 6 decimal places.
Stream Volume	Volume of the stream for the detail row. 1 decimal place.
Stream Value	Value of the stream for the detail row. 1 decimal place. Stream Volume * Differential.
Shipper Volume	Volume of the shipper's portion of the stream for the detail row. 1 decimal place.
Shipper Value	Value of the shipper's portion of the stream for the detail row. 1 decimal place. Shipper Volume * Differential.
Density	Density of the stream for the detail row. 1 decimal place.
Density Qualifier	Density qualifier of the stream for the detail row. A, E, P, or W.
Density Date	Density sample date of the stream for the detail row. YYYY-MM.
Sulphur	Sulphur of the stream for the detail row. 2 decimal places.
Sulphur Qualifier	Sulphur qualifier of the stream for the detail row. A, E, P, or W.
Sulphur Date	Sulphur sample date of the stream for the detail row. YYYY-MM.
Butane	Butane of the stream for the detail row. 2 decimal places.
Butane Qualifier	Butane qualifier of the stream for the detail row. A, E, P, or W.
Butane Date	Butane sample date of the stream for the detail row. YYYY-MM.
Propane	Propane of the stream for the detail row. 2 decimal places.
Propane Qualifier	Propane qualifier of the stream for the detail row. A, E, P, or W.
Propane Date	Propane sample date of the stream for the detail row. YYYY-MM.

## APPENDIX A - ACTIVITY CODES

Activity Code	SSI	Tariff	EQ	Activity description
DILUENT	X	X		Diluent
EDI	X	X		EDI Fee
LOSSCR	X	X		Loss Allowance Credit
LOWVOL	X			Low Volume Surcharge
OTHER	X	X		Other
OVRSHRT		X		Allocated Metering Differences
RECCON	X	X	X	Receipt Connected
RECTRK	X	X	X	Receipt Trucked
TAF	X	X		Transfer Admin Fee
TRFIF	X	X	X	Transfer In Facility
TRFIS	X			Transfer In Shipper
TRFOF			X	Transfer Out Facility

## APPENDIX B - DEDUCTION CODES

*Single Shipper Invoice Only*

<b>Activities</b>	<b>Deduction Code</b>	<b>Deduction description</b>
RECCON, RECTRK, TRFIF	EDI	EDI Fee
RECCON, RECTRK, TRFIF	FIRMSRV	Firm Service Fees
RECCON, RECTRK, TRFIF	LOSS	Loss Allowance
TRFIS	MKTDIFF	Market Differential
RECCON, RECTRK, TRFIF, TRFIS	OTHER	Other
RECCON, RECTRK, TRFIF	QUALITY	Quality Adjustment
RECCON, RECTRK, TRFIF	TARIFF	Tariff
TRFIS	WADF1	WADF1
TRFIS	WADF2	WADF2
RECCON, RECTRK, TRFIF	OTHER2	Other
RECCON, RECTRK, TRFIF	OTHER3	Other
RECCON, RECTRK, TRFIF	OTHER4	Other
RECCON, RECTRK, TRFIF	OTHER5	Other

## APPENDIX C - BC FACILITIES AND OPERATORS

The following BC facilities and their operators will be supported by this project:

Facility Name	BC Facility ID	Operator Name	AB Operator ID	APMC Reporting Flag
Boundary Lake Terminal	BC TM 0007341	Tervita	0NZ1	Single Shipper invoice
Boundary Lake Custom Treater	BC CT 0007341	Tervita	0NZ1	Single Shipper invoice
Secure Dawson Creek FST	BC OM 0008633	Secure Energy	A267	No Charge
BC Light	BC PT 0000500	Pembina	0205	Tariif and/or Eq Invoice
Boundary Lake	BC PT 0000400	Pembina	0205	Tariif and/or Eq Invoice
Plateau Delivery	BC PT 0000300	Pembina	0205	No Charge
Taylor Terminal	BC PT 0000444	Pembina	0205	No Charge

**NOTE:** Petrinex will display the BC Facility ID and the Facility Name on the Single Shipper Invoice screens as detailed above. Location information for BC facilities will be blank. This list is subject to change.

## APPENDIX D - SK FACILITIES AND OPERATORS

The following SK facilities and their operators will be supported by this project:

Facility Name	SK Facility ID	Operator Name	SK Operator ID
Husky Pipeline	SK PL OP00013	Husky Oil Operations Limited	00086
Manito Pipeline	SK PL OP00015	Plains Midstream Canada ULC	12826
South Saskatchewan Pipeline	SK PL OP00018	Plains Midstream Canada ULC	12826
Mid Saskatchewan Pipeline-light	SK PL OP00060	Inter Pipeline Ltd.	34666
Dodsland It term (mid sk pl)	SK TM TT10002	Inter Pipeline Ltd.	34666
Tangleflags Terminal	SK TM TT13003	Husky Oil Operations Limited	00086
Altex Lashburn Terminal	SK TM TT13004	Altex Energy Ltd.	13551
Husky Landrose Terminal	SK TM TT13006	Husky Oil Operations Limited	00086
Dulwich Terminal (cop,d11a)	SK TM TT15003	Crew Energy Inc.	12663
Gull Lake Terminal (Gibson)	SK TM TT18002	Gibson Energy ULC	00402
Gull Lake Terminal (Plains)	SK TM TT18008	Plains Midstream Canada ULC	12826
Plover Lake Cleaning & Terminal	SK TM TT21002	Northern Blizzard Resources Inc.	13205
Husky Landrose Cleaning Plant	SK CT C100012	Husky Oil Operations Limited	00086
Husky Tangleflags 13-36	SK CT C100014	Husky Oil Operations Limited	00086
Husky Lashburn Cleaning Plant	SK CT C100015	Husky Oil Operations Limited	00086
Secure Silverdale 2-6-49-27-w3	SK CT C100018	Secure Energy Services Inc.	14111
CNRL East Till Cleaning Plant	SK CT C100169	Canadian Natural Resources	50449
Caltex Dulwich Cleaning Plant	SK CT C100887	Crew Energy Inc.	12663
Secure Kindersley FST	SK CT 0012003	Secure Energy Services Inc.	14111
Baytex Buzzard 16-27-47-26w3 ct	SK CT 0012046	Baytex Energy Ltd.	72646
Altex New Lashburn Terminal	SK TM 0013727	Altex Energy Ltd.	13551

**NOTE:** This list is subject to change