

Appendix C

Validation Rules

1.0 Validation Rules – Volumetric/SAF/OAF/RGA EDITS

1.1 SAF/OAF refer to charts on pages C1-C6

1.2 RGA refer to charts on pages C7-C15

2.0 Validation Rules - ANNUAL FORM EDITS

2.1 AC2 Refer to charts on pages C16 to C21

2.2 AC3 Refer to charts on pages C22 and C23

2.3 AC4 Refer to charts on pages C24 to C26

2.4 AC5 Refer to charts on pages C27 to C30

2.5 VA2 Refer to charts on pages C31 to C34

2.6 VA3 Refer to chart on page C35

2.7 VA4 Refer to chart on page C36

1.1 SAF/OAF Data Validation Edits

The following table shows the SAF and OAF edits.

SAF/OAF Data Element	Edit	Re-Validated on MRIS	Comments
Reporting Facility Id	Facility ID must be a valid facility in the Registry for the production month being reported.	YES	RETRY ERROR
Reporting Facility Id	Facility ID must have an operational status of “active” as per infrastructure for the production month being reported. Must be an Alberta facility.	REGISTRY EDIT	
Reporting Facility Id	Facility ID must be an Alberta facility.	YES	ABANDON – If province type not (AB).
Reporting Facility Id	The BA must be the operator or authorized agent for the reporting facility	REGISTRY EDIT	

SAF/OAF Data Element	Edit	Re-Validated on MRIS	Comments
Production Month	Must be valid date in format YYYYMM. Must be a valid Registry year month. Must not be greater than current calendar month.	YES	FATAL ERROR for invalid month or month prior to Registry start date. RETRY for future months.
Amendment Number Input	Must exist in Registry for the reporting facility and production month. Must be positive whole numbers (or zero).	REGISTRY EDIT	
Product Id	Product code must be either 'ALL' or a valid product in the Registry according to the product table	REGISTRY EDIT	
Product Id	If ALL is entered and specific product exists	REGISTRY EDIT	
Product Id	If specific product is entered and SAF for ALL products exists	REGISTRY EDIT	
Product Id	If product "GAS" or "ALL", energy must be reported..	REGISTRY EDIT	
Product Id	If the product selected IS NOT "GAS" or "ALL", heat can NOT be reported.	REGISTRY EDIT	
Activity	Activity code must be valid in the Registry according to the activity table	REGISTRY EDIT	
Activity	Activity code must be valid for the products reported as per Activity/Product Validation (code table)	REGISTRY EDIT	
Activity	Activity code must be valid for the reporting facility reported as per Activity/Facility Validation (code table)	REGISTRY EDIT	
From/To	From/To must be a valid facility or well in the Registry (or ALL or blank)	REGISTRY EDIT	When the from/to is a well the SAF or OAF is not loaded.
From/To	From/To may only be reported	REGISTRY	

SAF/OAF Data Element	Edit	Re-Validated on MRIS	Comments
	as blank for certain activities. See Registry Reporting.	EDIT	
From/To	If ALL is entered and specific from/to exists	REGISTRY EDIT	
From/To	If specific from/to is entered and ALL from/to exists	REGISTRY EDIT	
From/To	From/To facility must be "active" for the production month being reported. See definition of "active" statuses above.	REGISTRY EDIT	
Cascade Facility	Cascade From Facility must be a valid facility in the Registry.	YES	RETRY ERROR.
Cascade Facility	Cascade Facility must be "active" for the production month being reported. See definition of "active" statuses above.	REGISTRY EDIT	
Static Factors	If Static Factors is set to 'yes' then the key information (Facility, Production Month, Activity, From/To, Cascade From) must be validated. If key information passes validation then static factors are saved. Must also revalidate stream id's.	REGISTRY EDIT	
Static Factors	If Static Factors is set to 'no' then the current static factors (for the reporting facility and production month) will be terminated by recording the last day of the production month as the termination date. If static factors are not set, cannot terminate static factors.	REGISTRY EDIT	
Month Static Set	Static Allocation Effective Date must be a valid "YYYYMM" and must be less than or equal to the current calendar year/month. Static Allocation Effective Date is set by the Registry upon selection of 'Static Factors'	REGISTRY EDIT	

SAF/OAF Data Element	Edit	Re-Validated on MRIS	Comments
	button		
Reference code	Maximum 16 Characters. Registry will crop anything over 16 characters.	REGISTRY EDIT	
Stream ID	The stream ID must be: <ul style="list-style-type: none"> - a valid producing or injection well - a valid unit - a valid injection scheme - a valid DOE well group - a valid “active” facility See definition of “active” statuses above. 	YES	WARNING - Detail is listed as invalid by setting the error indicator on the record.
Stream ID	For allocations requiring DOE extraction, if the stream ID is a well, it must be: <ul style="list-style-type: none"> - a valid producing or injection well that is NOT part of any of the following: <ul style="list-style-type: none"> - a valid unit - a valid injection scheme - a valid DOE well group UNLESS the well qualifies for a royalty holiday incentive or qualifies under the Otherwise Flared Solution Gas program.	YES	WARNING - Detail is listed as invalid by setting the error indicator on the record.
Stream ID	For allocations requiring DOE extraction, if the stream ID is NOT a well, it must be: <ul style="list-style-type: none"> - a valid injection scheme - a valid unit - a valid DOE well group - a valid active facility with a facility type of GP, GS, IF, or BT See definition of “active” statuses above. 	YES	WARNING - Detail is listed as invalid by setting the error indicator on the record.
Stream ID	Once invalid stream id's are determined, Stream Name must say "Invalid Stream"	REGISTRY EDIT	

SAF/OAF Data Element	Edit	Re-Validated on MRIS	Comments
Stream ID	Stream id cannot be entered more than once	Yes	ABANDON – If stream id is reported more than once.
Stream ID	At each stream, check if the calculated energy divided by the calculated volume is <35 or >45.	REGISTRY EDIT	
Owner Id	The owner ID must be a valid business associate in the registry	YES	WARNING- marked as invalid by setting the error indicator on the record.
Owner Id	Once invalid owner id's are determined, Owner Name must say "Invalid Owner"	REGISTRY EDIT	
Owner Id	Business Associate must have the role of Working Interest Owner for the production month being reported.	YES-	WARNING- marked as invalid by setting the error indicator on the record.
Owner Id	Business Associate cannot be entered more than once	REGISTRY EDIT	
Owner Id	At each owner, check if the calculated energy divided by the calculated volume is <35 or >45.	REGISTRY EDIT	
Owner Id	Business Associate for the user ID Must have a Business Associate status that is considered active for reporting allocations (as per BA Status Table)	YES	WARNING- marked as invalid by setting the error indicator on the record.
Factor - Volume	Must be greater than or equal to 0.0 and less than or equal to 1.0 (10 decimals)	YES	FATAL ERROR if value less than 0 or greater than 1.

SAF/OAF Data Element	Edit	Re-Validated on MRIS	Comments
Factor - Energy	Must be greater than or equal to 0.0 and less than or equal to 1.0 (10 decimals)	YES	FATAL ERROR if value less than 0 or greater than 1.
Volume	Must be numeric with 1 decimal place	REGISTRY EDIT	
Energy	Must be numeric with 0 decimal places	REGISTRY EDIT	
Totals - Factor Volume	MUST EQUAL 1.0000000000 OR 0.0000000000	REGISTRY EDIT	
Totals - Factor Energy	Must equal 1.0000000000 or 0.0000000000	REGISTRY EDIT	
Totals - Volume	Compare total volume reported for the streams/owners to the total volume in the Stream Allocation Key section.	REGISTRY EDIT	
Totals - Energy	Compare total energy reported for the streams/owners to the total energy in the Stream Allocation Key section	REGISTRY EDIT	
Calculated Volume	Is calculated by multiplying the total facility volume by the derived factor. (derived factor = submitted volume for stream/owner divided by sum of all submitted volumes for stream)	REGISTRY EDIT	
Calculated Energy	Is calculated by multiplying the total facility energy by the derived factor. (derived factor = submitted energy for stream/owner divided by sum of all submitted energy for stream)	REGISTRY EDIT	

1.2 RGA Validation Edits

Even though RGA submissions have been validated on the Registry, some fields must be revalidated on MRIS to ensure that no data integrity errors would be created on MRIS. The edits in the following table have already been validated by the Registry. The ones marked with a ‘Y’ in the Repeat Edit on MRIS will be validated on MRIS as part of the load process. If any of these data edits reject for a submission, then the entire form will be rejected.

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
Verb	- must be one of ADD, CHANGE, TERMINATE, DELETE	ALL	Y	FATAL ERROR	Invalid Verb <verb>	
Registry Received Date	- valid date	ALL	Y	FATAL ERROR	Invalid Received Date <received date>	
Seller BA Id	- must be valid for the effective date range of the RGA	ADD CHANGE	Y	RETRY ERROR	Invalid Seller Business Associate ID <BA Id>	
	- must be active for the effective period of the RGA		N			
	- must not be a Corporate Average Price (CAP) filer		N			NOTE - This edit will not be done on the Registry (as the Registry has no knowledge of MRIS Client Elections). This edit will become part of Royalty Calc in that CAP filers will not receive the 80% GRP valuation.

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
	- must not be an amalgamatee		N			
	- must have role of 'working interest owner'		N			
Stream Identifier	- must be valid for the effective date range of the RGA	ADD CHANGE	Y	RETRY ERROR	Invalid Stream ID <Stream Id>	
	- must be reported at the highest level		N			If not reported at the highest level, the RGA will not be used in the calculation of royalty.
	- if WI, must be 'active' for the effective date range of the RGA		N			If the well is 'inactive', the RGA will not be used in royalty calc, as there would be no volumetric submissions.
	- must be of type WI, WG, UN, or IS		N			
	- must be AB		N			
Reporting Facility Id	- must be valid for the effective period of the RGA	ADD CHANGE	Y	RETRY ERROR	Invalid Reporting Facility ID <Facility Id>	

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
	- province must be AB		N			
	- type must be GP, GS, BT, or IF		N			
	- must be 'active' for the effective period of the RGA		N			
Sales Facility Id	- must be valid for the effective period of the RGA	ADD CHANGE	Y	RETRY ERROR	Invalid Sales Facility ID <Facility Id>	
	- must be AB		N			
	- type must be GP, GS, or BT		N			
	- must be 'active' for the effective period of the RGA		N			If the sales facility is 'inactive', the RGA will not be used in royalty calc, as there would be no volumetric submissions.
Delivery Facility Id (see Note	- identifier may be 'ALL'	ADD CHANGE	Y	ACCEPT		Accept delivery facility and do not do the rest of the validations for delivery facility

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
1)	- type may be blank if prov is not AB, BC, SK	ADD CHANGE	Y	ACCEPT		
	- identifier may be blank if prov is not AB, BC, SK or type is valid miscellaneous type	ADD CHANGE	Y	ACCEPT		
	- must be valid for the effective period of the RGA	ADD CHANGE	Y	If AB facility - RETRY ERROR	Invalid Delivery Facility ID <Facility Id>	If non-AB facility and facility doesn't exist in MRIS, add the facility to MRIS
	- must be a valid province / state		N			
	- must be a valid facility type		N			
	- must be 'active' for the effective period of the RGA		N			
Effective Date	- must be a valid date	ALL	Y	FATAL ERROR	Invalid Eff Date <Eff Date>	

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
	- must be greater than or equal to the Registry implementation date	ALL	Y	FATAL ERROR	Eff Date <Eff Date> is less than Registry implementation date	
	- must not exceed the current production period		N			If future dated RGA is loaded into MRIS, it will not be used in royalty calc until the appropriate production period.
	- subject to DOE statute-barred rules (BUS0388 /CR0089)		N			CR0089 deferred. RGA submissions will not affect statute barred years when Registry is implemented. Statute barred edits will be implemented on the Registry at a later date.
Termination Date	- can be blank	ADD CHANGE DELETE	Y	ACCEPT		If blank, default to 3000/01
	- must be a valid year/month	ALL	Y	FATAL ERROR	Invalid Term Date <Term Date>	
	- must be greater than or equal to the Registry implementation date	ALL	Y	FATAL ERROR	Term Date <TermDate>is less than Registry implementation date	

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
	- must not exceed the current production period		N			If future terminated RGA is loaded into MRIS, it will continue to be used in royalty calc until the appropriate production period
	- subject to DOE statute-barred rules (BUS0388)		N			CR0089 deferred. RGA submissions will not affect statute barred years when Registry is implemented. Statute barred edits will be implemented on the Registry at a later date.
	- must be greater than or equal to the Effective date of the RGA	ADD TERMINATE	Y	FATAL ERROR	Term Date <Term Date> is less than Eff Date <Eff Date>	
	- the effective period delimited by Start Date and End Date cannot overlap another existing RGA	ADD CHANGE TERMINATE	Y	FATAL ERROR	New RGA submission causes TermDate overlap.	
Purchaser BA Id	- must be valid for the effective date range of the RGA	ADD CHANGE	Y	RETRY ERROR	Invalid Purchaser BA Id <BA Id>	

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
	- must be an active BA Id for the effective period of the RGA		N			
	- must not be an amalgamatee		N			
	- must have role of 'working interest owner'		N			
	- must be unique for the RGA	ADD CHANGE	Y	FATAL ERROR	Duplicate Purchaser BA Id <BA Id>	
Raw Gas Allocation Factor	- must be greater than 0.000000000 and less than or equal to 1.000000000	ADD CHANGE	Y	FATAL ERROR	Invalid Allocation Factor <Allocation Factor>	
	- must be a 10 digit numeric field (BUS0357)		N			
	- must be <= 9 decimal places	ADD CHANGE	Y	FATAL ERROR	Invalid Allocation Factor <Allocation Factor>	

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
Total of Raw Gas Allocation Factors	- must equal 1.0	ADD CHANGE	Y	FATAL ERROR	Total of Allocation Factors <sum>does not sum to 1.0	If less than one, raw gas not calculated for the entire stream.
ISC Code	- must be valid ISC code	ADD CHANGE	Y	FATAL ERROR	Invalid ISC product code <Product Code>	
	- must be unique for the RGA	ADD CHANGE	Y	FATAL ERROR	Duplicate ISC product code <Product Code>	
ISC Factor	- must be greater than 0.000000000 and less than or equal to 1.000000000	ADD CHANGE	Y	FATAL ERROR	Invalid ISC Factor <ISC Factor>	
	- must be a 10 digit numeric field (BUS0357)		N			
	- must <= 9 decimal places	ADD CHANGE	Y	FATAL ERROR	Invalid ISC Factor <ISC Factor>	
Total of ISC Factors	- must equal 1.0	ADD CHANGE	Y	FATAL ERROR	Total of ISC Factors does not sum to 1.0 <sum>	

RGA Data Element	Edit	Verb	Repeat Edit on MRIS	Validation Action	Error Message	Comments
Seller BA Id, Stream Identifier, Reporting Facility, Sales Facility, Delivery Facility, Effective Date	Matching RGA submission must exist	TERMINATE DELETE	Y	FATAL ERROR	Matching RGA submission does not exist	
Seller BA Id, Stream Identifier, Reporting Facility, Sales Facility, Delivery Facility,	Cannot have prior RGA submission waiting to be processed	ALL	Y	RETRY ERROR	Prior RGA submission waiting to be processed.	If prior submission for that Seller, Stream, Reporting Facility, Sales Facility, and Delivery Facility is in the reprocess queue or abandon queue, the submission will not be accepted until the prior submission is completed.

2.1 VALIDATION RULES - AC2 FORM: ALLOWABLE COSTS – CAPITAL COST ALLOWANCE			
PART 1: IDENTIFICATION			
Fields to be completed		Form edits	Results of incorrect field
1.1	Province	- if not AB, BC, or SK	FORM REJECTED
	Facility type	- if not GP or GS	FORM REJECTED
	EUB facility code	- if the EUB facility is not tied to the facility cost centre (field 1.2) - invalid facility ID	FORM REJECTED FORM REJECTED
1.2	Facility cost centre code	- invalid facility cost centre - facility cost centre is ineffective for the entire production year to which the form relates - facility cost centre is “shut-in” (shut-in information stored with AC1).	FORM REJECTED FORM REJECTED FORM REJECTED
1.3	Description of facility cost centre code	- no edit checks (description is used from AC1)	
1.4	Facility cost centre operator ID	- invalid client ID - if client ID is not the operator at December 31 of the production year to which the form relates	FORM REJECTED FORM REJECTED
1.5	Facility cost centre operator name	- no edit checks	

PART 1: IDENTIFICATION		
Fields to be completed	Form edits	Results of incorrect field
1.6 Production year	- if less than the 1994 production year - if greater than the current production year - if AC2-V2 is used for the production year less than 1997	FORM REJECTED FORM REJECTED FORM REJECTED
1.7 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than the current date	FORM REJECTED FORM REJECTED FORM REJECTED
1.8 Contact person	- no edit checks	Accept as entered
1.9 Telephone	- no edit checks	Accept as entered
PART 2: CAPITAL COST ALLOWANCE CALCULATION		
2.1 Cumulative allowable capital Jan 1 or__	NEW FCC -if value is less than zero -if value is less than field 2.2	FORM REJECTED FORM REJECTED
	EXISTING FCC -no edit checks	Use Calculated Value

PART 2: CAPITAL COST ALLOWANCE CALCULATION		
Fields to be completed	Form edits	Results of incorrect field
2.2 Allowable capital cost Jan 1 or ___	NEW FCC - if value is less than zero - if value is greater than field 2.1	FORM REJECTED FORM REJECTED
	EXISTING FCC - no edit checks	Use Calculated Value
2.3 Capital additions	NEW FCC - no edit checks	Accept as entered
	EXISTING FCC - if sum of (2.2 and actual 2.3) is less than zero	Use Calculated value actual 2.3 equals negative value of 2.2
2.4 Cumulative allowable capital Dec 31 or ___	- no edit checks	Use Calculated Value
2.5 Allowable capital cost before depreciation Dec 31 or ___	- no edit checks	Use Calculated Value
2.6	Depreciation (\$)	Use Calculated Value
	___/12	- compare 2.6, 2.14 and actual calculated value - if months of operation is equal to zero.

PART 2: CAPITAL COST ALLOWANCE CALCULATION			
Fields to be completed		Form edits	Results of incorrect field
2.7	Allowable capital cost after depreciation Dec 31 or __	- no edit checks	Use Calculated Value
2.8	Average capital	- no edit checks	Use Calculated Value
2.9	Land	- if value is negative	FORM REJECTED
2.10	Average spare parts inventory	- if value is negative	FORM REJECTED
2.11	Total	- no edit checks	Use Calculated Value
2.12	Retirements	- no edit checks	Use Calculated Value
2.13	Depreciation	- no edit checks	Use Calculated Value
2.14	return on average capital (\$)	- no edit checks	Use Calculated Value
	__/12	- compare 2.6, 2.14 and actual calculated value - if months of operation is equal to zero	Use lesser of 2.6, 2.14 and calculated value FORM REJECTED
2.15	Capital cost allowance	- no edit checks	Use Calculated Value

PART 3: CAPITAL ADDITIONS – optional		
Fields to be completed	Form edits	Results of incorrect field
3.1 Additions /disposition/ retirements	- no edit checks	Accept as entered
3.2 Type	- if invalid type (valid type includes A, D and R) - if blank and corresponding 3.3 exists	FORM REJECTED FORM REJECTED
3.3 Amount	- no edit checks	Accept as entered
3.4 Total	- all additions are accepted as entered - dispositions, retirements are treated as negative values	Accept as entered Use Calculated Value
PART 4: CAPITAL COST ALLOWANCE ALLOCATIONS		
4.1 Client ID	- invalid client ID - if client ID is ineffective within the facility centre effective date range - if client ID is inactive for the entire production year to which the form relates - if client ID appears more than once in PART 4	FORM REJECTED FORM REJECTED FORM REJECTED FORM REJECTED
4.3 Capital cost allowance distributions %	- if value is less than zero or greater than 100	FORM REJECTED
4.4 Custom processing adjustment factor %	- the calculated value from 5.7 is used in this field	
4.5 Total capital cost allowance allocated	- if total of all the 4.3 allocations and 5.7 (calculated value) is not equal to 100%	FORM REJECTED

PART 5: CUSTOM PROCESSING ADJUSTMENT FACTOR CALCULATION		
5.1 Client ID	<ul style="list-style-type: none"> - invalid client ID - if client ID is ineffective within the facility cost centre effective date range - if client ID is inactive for the entire production year to which the form relates - if blank and corresponding 5.3 and 5.4 exist - if client ID appears more than once in PART 5 	FORM REJECTED FORM REJECTED FORM REJECTED FORM REJECTED FORM REJECTED
5.2 Client name	- no edit checks	
5.3 Unit	<ul style="list-style-type: none"> - if more than one unit flag box is checked - if no unit flag box is checked 	FORM REJECTED FORM REJECTED
5.4 Custom Volumes	- if value is less than zero	FORM REJECTED
5.5 Total custom volumes	- no edit checks	Use calculated value
5.6 Total facility cost centre throughput	- if blank or less than zero and 5.5 is greater than zero	FORM REJECTED
5.7 Custom processing adjustment factor %	<ul style="list-style-type: none"> - if blank - if value is not numeric - if less than zero or greater than 100 - if above edits pass this calculated value is used to replace 4.4 - if calculated CPAF minus reported CPAF \leq .10000, then use reported CPAF 	FORM REJECTED FORM REJECTED FORM REJECTED Use calculated value Use reported CPAF

2.2 VALIDATION RULES - AC3 FORM: CAPITAL COSTS ALLOWANCE REALLOCATIONS		
PART 1: IDENTIFICATION		
Fields to be completed	Form Edits	Results of incorrect field
1.1 Province	- if not AB, BC, or SK	FORM REJECTED
Facility type	- if not GP or GS	FORM REJECTED
EUB facility code	- if the EUB facility is not tied to the Facility Cost Centre (field 1.2) - invalid facility ID	FORM REJECTED FORM REJECTED
1.2 Facility cost centre code	- invalid facility cost centre - if facility cost centre is ineffective for the entire production year to which the form relates - facility cost centre is "shut-in" (shut-in information stored with AC1)	FORM REJECTED FORM REJECTED FORM REJECTED
1.3 Description of facility cost centre code	- no edit checks (description is used from AC1)	
1.4 Client ID	- invalid client ID - if client ID is ineffective for the entire production year to which the form relates	FORM REJECTED FORM REJECTED
1.5 Client name	- no edit checks	
1.6 Production year	- if less than the 1994 production year - if greater than the current production year	FORM REJECTED FORM REJECTED
1.7 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than current date	FORM REJECTED FORM REJECTED FORM REJECTED

2.2 VALIDATION RULES - AC3 FORM: CAPITAL COSTS ALLOWANCE REALLOCATIONS		
PART 1: IDENTIFICATION		
<i>Fields to be completed</i>	<i>Form Edits</i>	<i>Results of incorrect field</i>
1.8 Contact person	- no edit checks	Accept as entered
1.9 Telephone	- no edit checks	Accept as entered
PART 2: CAPITAL COST ALLOWANCE REALLOCATIONS		
<i>Fields to be completed</i>	<i>Form Edits</i>	<i>Results of incorrect field</i>
2.1 Client ID	- invalid client ID - if client ID is ineffective for the entire production year to which the form relates - if blank and corresponding 2.3 exists	LINE REJECTED LINE REJECTED LINE REJECTED
2.2 Client Name	- no edit checks	
2.3 Percentage of original allocation	- if greater than 100 or if less than zero - if blank and corresponding 2.1 exists - sum of all 2.3 allocations is greater than 100% - client ID appears more than once in PART 2	LINE REJECTED LINE REJECTED FORM REJECTED FORM REJECTED

2.3. VALIDATION RULES - AC4 FORM: ALLOWABLE COSTS OPERATING COSTS			
PART 1: IDENTIFICATION			
Fields to be completed		Form edits	Results of incorrect field
1.1	Province	- if not AB, BC, or SK	FORM REJECTED
	Facility type	- if not GP or GS	FORM REJECTED
	EUB facility code	- if EUB facility code is not tied to the Facility Cost Centre registry (field 1.2) - if EUB facility is not a designated facility - if reported facility is a special facility code for the production year 1998 and onwards Note: Special Cases Facilities were dismantled effective the 1998 production year - if invalid facility ID	FORM REJECTED FORM REJECTED FORM REJECTED FORM REJECTED
1.2	Facility cost centre code	- invalid facility cost centre - if facility cost centre is ineffective for the entire production year to which the form relates - facility cost centre is "shut-in" (shut-in information stored with AC1)	FORM REJECTED FORM REJECTED FORM REJECTED
1.3	Description of facility cost centre	- no edit checks (description is used from AC1)	
1.4	Facility cost centre operator ID	- invalid client ID - if client ID is not the operator at December 31 of production year to which the form relates	FORM REJECTED FORM REJECTED
1.5	Facility cost centre operator name	- no edit checks	

PART 1: IDENTIFICATION			
Fields to be complete	Form edits	Results of incorrect field	
1.6 Production year	- if less than 1994 production year - must be less than or equal to the current annual processing year	FORM REJECTED FORM REJECTED	
1.7 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than the current date	FORM REJECTED FORM REJECTED FORM REJECTED	
1.8 Contact person	- no edit checks		
1.9 Telephone	- no edit checks		
PART 2: ALLOWABLE OPERATING COSTS			
2.1	Labour	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Materials	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Chemicals	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Transportation	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Contract services	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Utilities	- if value is negative - if 0.0	FORM REJECTED Accept as entered

PART 2: ALLOWABLE OPERATING COSTS			
Fields to be complete	Form edits	Results of incorrect field	
2.1	Maintenance	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Automotive	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Insurance	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Property taxes	- if value is negative - if 0.0	FORM REJECTED Accept as entered
	Surface rentals	- if value is negative - if 0.0	FORM REJECTED Accept as entered
2.2	Other allowables (description)	- no edit checks	
2.3	Other allowables (actual operating costs)	- no edit checks Note: All negative values will be subject to audit review	
2.4	Direct allowable operating costs	- no edit checks	Use Calculated Value
2.5	Overhead ___%	- no edit checks	Use Calculated Value
2.6	Direct allowable operating costs & overhead	- no edit checks	Use Calculated Value
2.7	Working capital allowance	- no edit checks	Use Calculated Value
2.8	Total allowable operating costs	- no edit checks	Use Calculated Value

2.4 VALIDATION RULES - AC5 FORM: ALLOWABLE COSTS CUSTOM PROCESSING FEES PAID		
PART 1: IDENTIFICATION		
<i>Fields to be completed</i>	Form Edits	<i>Results of incorrect field</i>
1.1 Client ID	- invalid client ID - if client ID is ineffective for the entire production year to which the form relates	FORM REJECTED FORM REJECTED
1.2 Client name	- no edit checks	
1.3 Production year	- if less than the 1994 production year - if greater than the current production year - if AC5-V2 is used for production year less than 1997	FORM REJECTED FORM REJECTED FORM REJECTED
1.4 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than the current date	FORM REJECTED FORM REJECTED FORM REJECTED
1.5 Contact person	- no edit checks	Accept as entered
1.6 Telephone	- no edit checks	Accept as entered

PART 2: NON OWNER IN FACILITY COST CENTRE(S) TIED TO EUB FACILITY			
Fields to be completed	Form Edits	Results of incorrect field	
2.1 Custom processing fee paid	<ul style="list-style-type: none"> - if less than or equal to zero - if blank and corresponding 2.2 exists <p>Note: must be rounded to nearest dollar</p>	<p>LINE REJECTED</p> <p>LINE REJECTED</p>	
2.2	Province	- if not AB, BC, or SK	LINE REJECTED
	Facility type	- if not GP or GS	LINE REJECTED
	EUB facility code	<ul style="list-style-type: none"> - if facility code is ineffective for the entire production year to which the form relates - if blank and corresponding 2.1 exists - if a royalty client's volumes for this facility, for the production year, consist completely of raw gas - if facility code is listed in both 2.2 and 3.1 - invalid facility ID - if royalty client does not have volumes for this facility code for the production year to which the form relates 	<p>LINE REJECTED</p> <p>LINE REJECTED</p> <p>LINE REJECTED</p> <p>LINE REJECTED</p> <p>LINE REJECTED</p>
2.3	Authorized signature	- no edit checks	Accept as entered

PART 3: OWNER IN FACILITY COST CENTRE(S) TIED TO EUB FACILITY			
Fields to be completed		Form Edits	Results of incorrect field
3.1	Province	- if not AB, BC, or SK	LINE REJECTED
	Facility type	- if not GP or GS	LINE REJECTED
	EUB facility code	- if facility code is ineffective for the entire production year to which the form relates - if blank and corresponding 3.2, 3.3, 3.4 and 3.5 exist - if a royalty client's volumes for this facility, for the production year, consist completely of raw gas - invalid facility ID - if facility code is incomplete - if royalty client does not have volumes for this facility code for the production year to which the form relates - if facility code is listed in both 2.2a and 3.1	LINE REJECTED LINE REJECTED LINE REJECTED LINE REJECTED LINE REJECTED LINE REJECTED
3.2	Custom processing fee paid	- if less than or equal to zero NOTE: MUST BE ROUNDED TO NEAREST DOLLAR	LINE REJECTED
3.3	Energy-adjusted gas equivalent volume	- if less than or equal to zero (one decimal place only) - if blank and corresponding 3.1, 3.2, 3.4 and 3.5 exist - must be less than or equal to 4,500,000 (calc) NOTE: THIS IS A VOLUME FIELD ONLY, NO PRODUCT CODE REQUIRED ON AC5 – V2. THIS IS FOR ENERGY-ADJUSTED GAS EQUIVALENT VOLUMES ONLY. (USE OF 103M3 OR GIGAJOULES WILL CALCULATE AN INCORRECT UOCR RECAPTURE AND WILL RESULT IN AN INCORRECT NET CUSTOM PROCESSING FEE FOR THIS FACILITY)	LINE REJECTED

PART 3: OWNER IN FACILITY COST CENTRE(S) TIED TO EUB FACILITY			
Fields to be completed		Form Edits	Results of incorrect field
3.4	Excess capacity	- if this field is not blank and contains anything more than a check mark NOTE: CHECK ONLY IF EXCESS CAPACITY APPLIES	LINE REJECTED
3.5	Compressing code Gathering code Processing code	- if these fields are not blank and contains anything more than a check mark NOTE: If compressing, gathering, and processing codes are all blank the calculation will default to using the total unit operating cost at the EUB facility as operating cost recovery	LINE REJECTED
3.6	Authorized signature	- no edit required	Accept as is
PART 2 / PART 3		- if this is an original submission and only PART 1 exists	FORM REJECTED

2.5 VALIDATION RULES - VA2 FORM		
PART 1: WINDOW EDITS		
Fields to be completed	Form Edits	Results of incorrect field
1.1 Client ID	- invalid client ID - if the BA or one of it's amalgamates or consolidates does not have a CAP election for the production year - if the BA is an invoice consolidate or amalgamate in the production year entered	FORM REJECTED FORM REJECTED FORM REJECTED
1.2 Client Name	- no edit checks	
1.3 Production Year	- if greater than the current processing year - if less than the 1994 production year	FORM REJECTED FORM REJECTED
1.4 Date Prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than the current date	FORM REJECTED FORM REJECTED FORM REJECTED
1.5 Contact Person	- no edit checks	
1.6 Telephone	- no edit checks	
1.7 No Sales/ Dispositions Check Box	- if no sales box is checked and there is information in part 2, 3, or 4	FORM REJECTED

PART 2: WINDOW EDITS		
Fields to be completed	Form Edits	
2.1 Total Annual GJs	- must be > 0	FORM REJECTED
Subtotal Annual GJs	- must equal sum of Total Annual GJs	FORM REJECTED
2.2 Gross Annual Revenue	- must be > 0	FORM REJECTED
Subtotal Gross Annual Revenue	- must equal sum of Gross Annual Revenue	FORM REJECTED
2.3 Intra-Alberta Transportation	- must be >= 0	FORM REJECTED
Subtotal Intra-Alberta Transportation	- must equal sum of Intra-Alberta Transportation	FORM REJECTED
2.4 Ext-Alberta Transportation	- must be >= 0	FORM REJECTED
Subtotal Ext-Alberta Transportation	- must equal sum of Ext-Alberta Transportation	FORM REJECTED
2.5 Net Annual Revenue	- must equal calculated amount	FORM REJECTED
Subtotal Net Annual Revenue	- must equal sum of Net Annual Revenue	FORM REJECTED

PART 3: WINDOW EDITS		
<i>Fields to be completed</i>	<i>Form Edits</i>	<i>Results of incorrect field</i>
3.1 Client ID	- invalid client ID - if the BA does not have a CAP election for the production year	FORM REJECTED FORM REJECTED
3.3 Total GJs	- must be > 0	FORM REJECTED
Subtotal Total GJs	- must equal sum of all Total GJs	FORM REJECTED
3.4 CAP	- must be >= 90% of the Annual Weighted Average Reference Price	FORM REJECTED
3.5 Total Revenue	- must equal CAP * Total GJs	FORM REJECTED
Subtotal Total Revenue	- must equal sum of all Total Revenue	FORM REJECTED
PART 4: WINDOW EDITS		
4.1 Type 1	- must be >= 0	FORM REJECTED
Type 1 Subtotal	- must equal calculated subtotal	FORM REJECTED
4.2 Type 2	- must be >= 0	FORM REJECTED
Type 2 Subtotal	- must equal calculated subtotal	FORM REJECTED
4.3 Type 3	- must be >= 0	FORM REJECTED
Type 3 Subtotal	- must equal calculated subtotal	FORM REJECTED

PART 4: WINDOW EDITS		
<i>Fields to be completed</i>	<i>Form Edits</i>	<i>Results of incorrect field</i>
4.4 Total GJs	- must equal Type 1 + Type 2 + Type 3 - must be > 0	FORM REJECTED FORM REJECTED
Total GJs Subtotal	- must equal calculated subtotal	FORM REJECTED
4.5 Reference Price	- must equal the System Reference Price	FORM REJECTED
4.6 Total Revenue	- must equal Total GJs * Reference Price	FORM REJECTED
Total Revenue Subtotal	- must equal calculated subtotal	FORM REJECTED

2.6 VALIDATION RULES - VA3 FORM			
PART 1: WINDOW EDITS			
Fields to be completed	Form Edits	Results of incorrect field	
1.1 Client ID	- invalid client ID - if the BA is an invoice consolidate or amalgamate in the production year entered	FORM REJECTED FORM REJECTED	
1.2 Client Name	- no edit checks		
1.3 Production Year	- if greater than the current processing year - if less than the 1994 production year	FORM REJECTED FORM REJECTED	
1.4 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than the current date	FORM REJECTED FORM REJECTED FORM REJECTED	
1.5 Contact Person	- no edit checks		
1.6 Telephone	- no edit checks		
1.7 No Sales	- if no sales box is checked and there is information in part 2	FORM REJECTED	
PART 2: WINDOW EDITS			
2.2 Tonnes	North America	- must be ≥ 0	FORM REJECTED
	OffShore	- must be ≥ 0	FORM REJECTED
	Total	- must equal North America + OffShore tonnes - must be > 0	FORM REJECTED FORM REJECTED
2.3 Gross Annual Revenue	- must be ≥ 0 if No Sales is not selected	FORM REJECTED	
2.4 Transportation Costs	- must be ≥ 0	FORM REJECTED	
2.5 Storage Costs	- must be ≥ 0	FORM REJECTED	
2.6 Net Annual Revenue	- must equal Gross Annual Revenue – Transportation Costs – Storage Costs	FORM REJECTED	

2.7 VALIDATION RULES - VA4 FORM			
PART 1: WINDOW EDITS			
<i>Fields to be completed</i>	<i>Form Edits</i>	Results of incorrect field	
1.1 Client ID	- invalid client ID - if the BA is an invoice consolidate or amalgamate in the production month entered	FORM REJECTED FORM REJECTED	
1.2 Client Name	- no edit checks		
1.3 Production Month	- if greater than the current production month - if the year is less than the last Annual production year.	FORM REJECTED FORM REJECTED	
1.4 Date prepared	- invalid date - if date prepared is less than the date prepared of the current version on file - if greater than the current date	FORM REJECTED FORM REJECTED FORM REJECTED	
1.5 Contact Person	- no edit checks		
1.6 Telephone	- no edit checks		
1.7 No Sales	- if no sales box is checked and there is information in part 2	FORM REJECTED	
PART 2: WINDOW EDITS			
2.2 Tonnes	North America	- must be ≥ 0	FORM REJECTED
	OffShore	- must be ≥ 0	FORM REJECTED
	Total	- must equal North America + OffShore tonnes - must be = 0 if Gross Monthly Revenue = 0 - must be > 0 if Gross Monthly Revenue > 0	FORM REJECTED FORM REJECTED FORM REJECTED
2.3 Gross Monthly Revenue	- must be = 0 if Total Tonnes = 0 - must be > 0 if Total Tonnes > 0	FORM REJECTED FORM REJECTED	
2.4 Transportation Costs	- must be ≥ 0	FORM REJECTED	
2.5 Storage Costs	- must be ≥ 0	FORM REJECTED	
2.6 Net Monthly Revenue	- must equal Gross Monthly Revenue – Transportation Costs – Storage Costs	FORM REJECTED	