MBR System Validation Rules

Contained below is a summary of all validation rules by individual MBR submission table

mbr_authorization

	Attribute	Description	Validations Rules
1.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the mbr_authorizations_table.
2.	authorization_effective_date	Date the reporting entity's market- based rate authorization initially became effective. If the reporting entity's market-based rate authorization has not yet been accepted, enter the proposed effective date.	Valid date YYYY-MM-DD (ANSI)
3.	cancellation_effective_date	Effective date of the cancellation of the reporting entity's market-based rate authorization.	Valid date YYYY-MM-DD (ANSI) Value must be ≥ than authorization_effective_date

mbr_category_status

	Attribute	Description	Validations Rules
1.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the mbr_category_status table..
2.	region_cd	Region identifier.	Should match with CD which is number in Region lookup table. Option List **NW** – Northwest **SW** – Southwest **CE** – Central **SPP** – Southwest Power Pool **NE** – Northeast **SE** - Southeast
3.	cat_status_in_region_fk	Category status in region.	Should match with ID which is number in Region lookup table. Option List 1 - Category 1 2 - Category 2 3 - No MBR authority in the region
4.	cat_status_effective_date	Effective date of tariff where this category status was implemented.	**Required** if cat_status_in_region is "1" or "2".

mbr_mitigations

#	Attribute	Description	Validations Rules
1	Balancing_Authority_cd	Identifier for the market/BAA where the reporting entity is mitigated.	Must match a valid BAA code from the BAA lookup table.
3	mitigation_effective_date	Effective date of tariff where the mitigation was implemented.	Valid date
4	mitigation_end_date	Effective date of tariff where the mitigation was removed.	Valid date Value must be ≥ than mitigation_effective_date
	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the mbr_mitigations_table

mbr_self_limitations

	Attribute	Description	Validations Rules
1.	region_cd	Identifier for the region where the reporting entity is authorized to transact at market-based rates. Report a region to indicate that the reporting entity is authorized to transact at market-based rates in **all** markets/BAAs within the region.	Link to ID which is number in Region lookup table. Option List **NW** – Northwest **SW** – Southwest **CE** – Central **SPP** – Southwest Power Pool **NE** – Northeast **SE** - Southeast
2.	Balancing_Authority_cd	Identifier for the market/BAA where the reporting entity is authorized to transact at market- based rates.	Must match a valid BAA code from the BAA lookup table.
3.	self_limit_effective_date	Effective date of tariff where the self-limitation was implemented.	Valid date
4.	self_limit_end_date	Effective date of tariff where the self-limitation was removed.	Valid date Value must be ≥ than self_limit_effective_date
5.	reference_id	If updating an existing record, provides a link to the existing record.	Should match with ID which is in mbr_self_limitations

mbr_operating_reserves

	Attribute	Description	Validations Rules
1.	Balancing_Authority_cd	Identifier for the market/BAA where the reporting entity is authorized to sell operating reserves.	Must match a valid BAA code from the BAA lookup table.
2.	or_authorization_effective_date	Effective date of tariff specifying where seller is authorized to sell operating reserves.	Valid date
3.	or_authorization_end_date	Effective date of tariff where the operating reserve authorization was removed.	Valid date Value must be ≥ than or_authorization_effective_date
4.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the mbr_operating_reserves table.

entities_to_entities

#	Attribute	Description	Validations
1.	reportable_entity_ID	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	
2.	reportable_entity_ID_type_CD	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	Must match an active ID Type Link to CD which is code in ID Type lookup table Options List CID LEI GID
3.	relationship_start_date	Date reported relationship started.	Valid date
4.	relationship_end_date	Date reported relationship ended.	Valid date value must be ≥ relationship_start_date
5.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the entities_to_entities table.

entities_to_genassets

	Attribute	Description	Validations Rules
1.	ferc_asset_id_fk	The FERC Asset ID assigned to the asset. Asset IDs can be obtained by filers for assets that do not have EIA codes.	Must match an Asset ID in the Asset Lookup table in the MBR database.
2.	entity_ID	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)
3.	entity_ID_type_CD	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	Must match an active ID Type Link to CD which is code in ID_Type lookup table Options List - CID - LEI - GID
4.	relationship_type_fk	Indicator of whether an ownership or control relationship is being reported.	Link to ID which is number in the Relationship lookup table Option List 1 - Ownership 2 - Control

5.	relationship_start_date	Date the reported relationship with the generation asset began.	Valid date
6.	relationship_end_date	Date the reported relationship with the generation asset ended.	Valid date - Value should be ≥ than relationship_start_date.
7.	physical_location_ Balancing_Authority _cd	Identifier for the market/BAA where the generator is physically located.	Must match an ID on the BAA reference table. Link to baa CD which is code in BAA lookup table
8.	telemetered_location_Balancing_Authority_cd	Identifier for the market/BAA that is the destination (sink) market/BAA of remote generation or where a generator is pseudo-tied or committed with long term transmission rights (i.e. where this generation should be studied in an MBR submittal).	Must match an ID on the BAA reference table. Link to baa CD which is code in BAA lookup table
9.	cap_rating_adjusted	De-rated capacity value for the generator. (See adj_rating_options).	Must be a positive number.
10.	adj_rating_options_cd	The de-rating methodology used to calculate the value reported in cap_rating_adjusted. (See P 266 of FERC Order No. 816 for more information on the allowed methodologies.)	Link to ID which is link to the Rating Option lookup table Option List 1- Nameplate 2- Seasonal 3- 5-yr Unit 4- 5-yr EIA 5- Alternative

11.	alt_methodology_used	If adj_rating_options is "Alternative". Alternative description of the alternative methodology used to calculate the de-rated capacity value. (See FERC Order No. 816 at P 106.)	Required if adj_rating_options is 5 (Alternative).
12.	amount	Capacity (in MW) of the generator that is attributed to the reporting entity or non-MBR affiliate. This can differ from the cap_rating_adjusted field if the reported entity is not entitled to the full output of the facility.	Must be a non-negative number.
13.	explanatory_notes	Optional narrative description.	
14.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the entities_to_genasset table.
15.	generation_asset_type_fk	User selects whether it will identify the generator using EIA Information or a FERC-generated Asset ID	Options List EIA Asset ID
16.	eia_plant_code_cd (eia_plant_cd) EIA data hierarchy: Plant Code ->Gen ->Unit e.g. Plant code = 123	"Plant Code" assigned to the plant as found in the EIA-860 data.	Required if "gen_asset_type" is EIA. Must provide valid code from EIA lookup table value for Plant Code. Must match a "Plant Code" found in the EIA-860 data EIA data is uploaded into the MBR EIA lookup table annually from the EIA external source.
17.	eia_generator_id_cd (eia_generator) EIA data hierarchy: Plant Code -> Gen -> Unit e.g., Plant code = 200 Generator ID = 3		Must match a valid "Generator" found in the EIA-860 data for the given EIA Plant Code. EIA data is uploaded into the MBR EIA lookup table annually from the EIA external source

18.	eia_unit_code_fk (eia_unit_code)
	EIA data hierarchy:
	Plant Code ->Gen ->Unit
	
	e.g. Plant code = 200
	    Generator ID = 3
	      Unit Code = ABC
		Unit Code" assigned to linked generators (e.g.	Must provide valid ID from EIA lookup table value for Unit Codes. Must match a valid "Unit Code" found in the EIA-860 data for the given EIA Plant Code and Generator.
			
			EIA data is uploaded into the MBR EIA lookup table annually from the EIA external source

entities_to_ppa

	Attribute	Description	Validations Rules
1.	entity _ID	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)
2.	entity_id_type_CD	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	Must match an active ID Type Link to CD which is code in ID_Type lookup table. Options List CID LEI GID
3.	date_of_last_change	(If submission type is "Update") The date the change that is being reported occurred.	Valid date Required if submission_type is Update.

4.	ppa_agreement_id_fk	An identifier chosen by the reporting entity that can be used to refer to the PPA, if needed. When possible, the reporting entity should use the identifier used in EQR Field 20.	If ppa_filing_type is "New", the submitted identifier should not have previously been used by this reporting entity. If ppa_filing_type is "Update", the submitted identifier must be an identifier previously submitted by this reporting entity.
5.	counterparty_ID	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	
6.	counterparty_ID_type_CD	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available). -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available). -FERC generated ID of the reportable entity. (Required if CID and LEI are not available).	Must match an active ID Type. Link to CD which is code in ID Type lookup table. Options List CID LEI GID
7.	ppa_type_fk	Identifies whether the reporting entity or its non-MBR affiliate is the purchaser or seller of energy/capacity.	Link to ID which is link to the PPA Type lookup table. Option List 1 - Purchase 2 - Sale

8.	supply_type_fk	The source of supply for the PPA. If "Other" is selected, provide an explanation in the explanatory_notes field.	Link to ID which is link to the Supply Type lookup table. Option List 1 - Generator Specific 2 - Slice of System 3 - Portfolio 4 - Other
9.	supply_identifier_CD	Indicator of whether the generator will be identified using EIA-860 identifiers or a FERC Asset ID.	Required if supply_type is "Generator Specific". Link to ID which is link to the Supply Identifier lookup table Option List 1 - EIA-860 2 - FERC Asset ID
10.	gen_asset_type_fk	User selects whether it will identify the generator using EIA Information or a FERC-generated Asset ID	Required if supply_type is "Generator Specific".
11.	start_date	The contractual start date of the PPA.	Valid date
12.	scheduled_end_date	The date the PPA is scheduled to end (if known).	Valid date Value must be ≥ start_date
13.	actual_end_date	If the PPA has ended, the date the PPA ended.	Valid date Value must be ≥ start_date

14.	amount	The megawatt (MW) amount of the PPA. If the PPA is for capacity, provide the specified amount, in MW. For energy-only PPAs, convert the units into MW equivalents using the formula set forth in Order No. 816 at PP 140-144, and FN 178.	Must be a non-negative number.
15.	amount_adjusted	De-rated capacity value of the PPA. (See adj_rating_options_fk.)	Null if supply_type is not "Generator Specific". Must be a positive number less than the nameplate capacity of the corresponding generator.
16.	adj_rating_options_cd	The de-rating methodology used to calculate the de-rated capacity value reported in the amount_adjusted field. (See P266 of FERC Order No. 816 for more information on the allowed methodologies.)	Null if supply_type is not "Generator Specific". Link to ID for Rating Options look up table. Option List 1 - Seasonal 2 - 5-yr Unit 3 - 5-yr EIA 4 - Alternative
17.	alt_methodology_used	Narrative description of the alternative methodology used to calculate the de-rated capacity value. (See FERC Order No. 816 at P 106.)	Null if supply_type is not "Generator Specific". Required if adj_rating_options is "Alternative".
18.	source_ Balancing_Authority _cd	Identifier for the market/BAA where the energy/capacity is sourced. If the energy/capacity is sourced at a hub, provide the identifier corresponding to "Hub" and provide a value for source_baa_hub_fk. May be the point of receipt BAA (PORBA) in a contract.	Required if ppa_type is "Sale". Must match an ID on the BAA reference table. Link to baa CD which is code in BAA lookup table

19.	source_ Balancing_Authority _hub_cd	(If source_ Balancing_Authority_fk is "Hub") Identifier for the hub where the energy/capacity will source.	Required if ppa_type is sale and source_ Balancing_Authority is "Hub". Must match an ID on the Hub reference table. Link to baa CD which is code in BAA -lookup table.
20.	sink_ Balancing_Authority _cd	Identifier for the market/BAA where the energy/capacity will sink. If the energy/capacity will sink at a hub, provide the identifier corresponding to "Hub" and provide a value for sink_baa_hub_fk. May be the point of delivery (PODBA) in a contract.	Required if ppa_type is "Purchase". Must match an ID on the BAA reference table. Link to baa CD which is code in BAA lookup table
21.	sink_ Balancing_Authority _hub_cd	(If sink_Balancing_Authority_fk is "Hub"). Identifier for the hub where the energy/capacity will sink.	Required if ppa_type is purchase and sink_ Balancing_Authority_cd is Hub. Must match an ID on the Hub reference table. Link to baa CD which is code in BAA lookup table.
22.	explanatory_notes	Optional narrative description of any unique qualities of this PPA not captured elsewhere.	Required if supply_type is "Other".
23.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the entities_to_genasset table.
24.	eia_plant_code_cd (eia_plant_cd) EIA data hierarchy: Plant Code ->Gen ->Unit e.g. Plant code = 123	"Plant Code" assigned to the plant as found in the EIA-860 data.	Required if "gen_asset_type" is EIA. Must provide valid code from EIA lookup table value for Plant Code. Must match a "Plant Code" found in the EIA-860 data EIA data is uploaded into the MBR EIA lookup table annually from the EIA external source.
25.	eia_generator_id_cd (eia_generator) EIA data hierarchy: Plant Code -> Gen -> Unit e.g., Plant code = 200 Generator ID = 3		Must match a valid "Generator" found in the EIA-860 data for the given EIA Plant Code. EIA data is uploaded into the MBR EIA lookup table annually from the EIA external source

eia_unit_code_fk (eia_unit_code)
EIA data hierarchy:
Plant Code ->Gen ->Unit
 	
e.g. Plant code = 200
    Generator ID = 3
     Unit Code = ABC
	Unit Code" assigned to linked
	generators (e.g.
		Must provide valid ID from EIA lookup table value for Unit Codes.
		Must match a valid "Unit Code" found in the EIA-860 data for the given EIA Plant Code and Generator.
		
		EIA data is uploaded into the MBR EIA lookup table annually from the EIA external source

entities_to_vertical_assets

	Attribute	Description	Validations Rules
1.	entity _ID	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)	User selects which one of the three ID types they will provide for these 2 fields. -Company Identifier of the reportable entity. (Required if available.) -Legal Entity Identifier of the reportable entity. (Required if available and CID is not available.) -FERC generated ID of the reportable entity. (Required if CID and LEI are not available.)
2.	entity_ID_type_CD	CID, LEI, or GID that owns, operates, or controls the vertical asset.	Must match an active ID Type. Options List CID LEI GID
3.	vertical_asset_type_fk	The type of vertical asset being reported.	Link to ID which is a code in Asset Type lookup table. Option List 1 - Transmission Asset 2 - Intrastate Pipeline 3 - Gas Storage 4 - Gas Distribution 5 - Other Input
4.	Balancing_Authority _cd	Identifier for the market/BAA where the vertical asset is located.	Link to baa CD which is code in BAA lookup table.
5.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the entities_to_genasset table.

indicative_pss

	Attribute	Description	Validations Rules
1.	study_type_fk	Flag indicating whether the entity is submitting this screen for the first time or amending/replacing a previously submitted screen.	Link to ID for Study Type lookup table. Option List 1 - New (entity is submitting this screen for the first time) 2 - Replace (entity is revising its own previously submitted screen)
2.	study_amended_reference_fk	(If study_type is "Replace") The serial number of the study (from the PSS) to be amended/replaced.	Null if study_type is "New". Required if study_type is "Replace". If study_type is "Replace", must be a valid, existing serial number for a pivotal supplier screen previously submitted by the reporting entity. Link to ID for PSS lookup table.
3.	pss_study_reference_fk	If the submitted screen relies on a previously submitted screen, provide the serial number of the screen that it relies on.	If not null, must match an existing serial number for a pivotal supplier screen. Link to ID for PSS lookup table.
4.	study_end_year	The year that the data year of the submitted screen ends. For example, if your study uses the data year December 1, 2015 to November 30, 2016, the study_end_year is "2016".	Must be a current or historical year.
5.	study_area_fk	Identifier for the market/BAA or submarket that is being studied.	Must match an ID on the BAA reference table. Link to ID for PSS lookup table.
6.	scenario_type_fk	Indicator of whether the submitted screen is a base case scenario or a sensitivity analysis.	Link to ID for Scenario Type lookup table. Option List 1 - Base Case 2 - Sensitivity Analysis

7.	study_parameter_fk	1 - Seller Installed Capacity 2 - Seller Remote Capacity 3 - Seller LT Firm Purchases from Inside 4 - Seller LT Firm Purchases from Outside 5 - Seller LT Firm Sales 6 - Seller Uncommitted Capacity Imports 7 - Non-Affiliate Installed Capacity 8 - Non-Affiliate Remote Capacity 9 - Non-Affiliate LT Firm Purchases from Inside 10 - Non-Affiliate LT Firm Purchases from Outside 11 - Non-Affiliate LT Firm Sales 12- Non-Affiliate Uncommitted Capacity Imports 13 - Study Area Reserve Requirement 14 - Reserve Requirement Attributable to Seller 15 - Total Uncommitted Supply 16 - Study Area Annual Peak Load 17 - Average Daily Peak Native Load in Peak Month 18 - Amount of Average Daily Peak Native Load Attributable to Seller 19 - Wholesale Load 20 - Net Uncommitted Supply 21 - Seller Uncommitted Capacity 22 - Result (0 for Fail, 1 for Pass) 23 - Total Imports 24 - Seller Percent of SIL 25 - Non-Affiliate Percent of SIL 26 - SIL Value 27 - SIL Limit Exceeded (0 for No, 1 for Yes)	Must provide a value for each study parameter. Link to ID for Study Parameter lookup table. 1 - Seller Installed Capacity 2 - Seller Remote Capacity 3 - Seller LT Firm Purchases from Inside 4 - Seller LT Firm Purchases from Outside 5 - Seller LT Firm Sales 6 - Seller Uncommitted Capacity Imports 7 - Non-Affiliate Installed Capacity 8 - Non-Affiliate Remote Capacity 9 - Non-Affiliate LT Firm Purchases from Inside 10 - Non-Affiliate LT Firm Purchases from Outside 11 - Non-Affiliate LT Firm Sales 12- Non-Affiliate Uncommitted Capacity Imports 13 - Study Area Reserve Requirement 14 - Reserve Requirement Attributable to Seller 15 - Total Uncommitted Supply 16 - Study Area Annual Peak Load 17 - Average Daily Peak Native Load in Peak Month 18 - Amount of Average Daily Peak Native Load Attributable to Seller 19 - Wholesale Load 20 - Net Uncommitted Supply 21 - Seller Uncommitted Capacity 22 - Result (0 for Fail, 1 for Pass) 23 - Total Imports 24 - Seller Percent of SIL 25 - Non-Affiliate Percent of SIL 26 - SIL Value 27 - SIL Limit Exceeded (0 for No, 1 for Yes)
8.	study_parameter_value		Validations will check that the values provided are consistent.
11.	reference_id	If updating an existing record, provides a link to the existing record.	Must match an existing record identifier in the indicative_mss table.

indicative_mss

#	Attribute	Description	Validations
2.	study_type_fk	Flag indicating whether the entity is submitting this screen for the first time or amending/replacing a previously submitted screen.	Link to ID for Study Type lookup table. Option List 1 - New (entity is submitting this screen for the first time) 2 - Replace (entity is revising its own previously submitted screen).
3.	study_amended_reference_cd	(If study_type is "Replace") The serial number of the study to be amended/replaced.	Null if study_type is "New". Required if study_type is "Replace". If study_type is amended, must be a valid, existing serial number for a wholesale market share screen previously submitted by the reporting entity.

			Link to the MSS table where ID of the MSS record is reflected in this field.
4.	mss_study_reference_fk	If the submitted screen relies on a previously submitted screen, provide the serial number of the screen that it relies on.	If not null, must match an existing serial number for a wholesale market share screen. Link to the MSS table where ID of the MSS record is reflected in this field.
5.	study_end_year	The year that the data year of the submitted screen ends. For example, if your study uses the data year December 1, 2015 to November 30, 2016, the study_end_year is "2016").	Must be a current or historical year.
6.	study_area_balancing_authority_	Identifier for the market/BAA or submarket that is being studied.	Must match an ID on the BAA reference table. Link to the BAA table where ID of the BAA record is reflected in this field.
7.	scenario_type_fk	Indicator of whether the submitted screen is a base case scenario or a sensitivity analysis.	Link to the Scenario Type lookup table where ID of the Scenario Type is reflected in this field. 0 – Base Case 1 – Sensitivity Analysis
8.	Season_fk	The relevant season.	Link to the ID for season from the Season Lookup table. Option List 1 – Winter 2 – Spring 3 – Summer 4 – Fall

9.	study_parameter_fk	1 - Seller Installed Capacity 2 - Seller Remote Capacity 3 - Seller LT Firm Purchases from Inside 4 - Seller LT Firm Purchases from Outside 5 - Seller LT Firm Sales 6 – Seller Seasonal Planned Outages 7 - Seller Uncommitted Capacity Imports 8 – Average Peak Native Load in the Season 9 – Average Peak Native Load Attributable to Seller 10 – Average Peak Native Load Attributable to Non-Affiliates 11 – Study Area Reserve Requirement 12 – Study Area Reserve Requirement Attributable to Seller 13 – Study Area Reserve Requirement Attributable to Non-Affiliates 14 - Non-Affiliate Installed Capacity 15 - Non-Affiliate Remote Capacity 16 - Non-Affiliate LT Firm Purchases from Inside 17 - Non-Affiliate LT Firm Purchases from Outside 18 - Non-Affiliate LT Firm Sales 19 – Non-Affiliate Seasonal Planned Outages 20 - Non-Affiliate Uncommitted Capacity Imports 21 - Total Competing Supply 22 - Seller Uncommitted Capacity 23 – Total Seasonal Uncommitted Capacity 24 – Seller's Market Share 25 - Result (0 for Fail, 1 for Pass) 26 - Total Imports 27 - Seller Percent of SIL 28 - Non-Affiliate Percent of SIL 29 - SIL Value 30 - SIL Limit Exceeded (0 for No, 1 for Yes)	Must provide a value for each study parameter, for each season. Link to ID for Study Parameter lookup table.
10.	study_parameter_value		Validations will check that the values provided are consistent.
11.	study_parameter_reference	(Optional) Narrative description of the data source used to determine study parameter value.	