MBR System Deployment Release Notes
By Version Numbers

Contained below is a summary of upgrades, modifications, or corrections to the MBR Development initiative.

Release 1.19

- Validation Rules now also examine a user's submission to ensure duplicate data tables are not being submitted
- CSV exports of all Submitted Data tables now display company names
- Asset Appendix Reports now export all three tabs as a .xlsx file, while retaining a user's search results

Release 1.18

- **Critical Update:** Modification to the XML structure to match the order of the tables and attributes of the data dictionary. As such, subsequent submissions must conform to the latest XML.

- File submission errors now specify the attribute name associated with the error.

- Further refinements to the validation rules and associate notifications.

Release 1.17

- XML code structure change to modify EIA *entities_to_genassets* and *entities_to_ppas*.
- Modification to the sample XML file to improve usability when opening the file as a new tab. This allows easier editing without modifying the original structure of the XML.
- Error messages for MSS and PSS can be managed through the Admin Module.
- Asset Appendix screen provides a search functionality for Organization and CID name.
- Admin Module → Manage GID Records→**Name Search Parameter 2** field allows an additional name to be added to a company association.
- Admin Module → Manage GID Records→GID Relationship Group Search field for group numbers.
- Admin Module → Manage GID Records modification of columns for better viewing.

Public

Release 1.16

- Admin staff can now select any email template from the user interface to edit and save changes to the email.
- Look up Tables and MBR Submitted tables all list active and inactive dates for each item on every table.
- MBR Reports →Asset Appendix Report→ displays Generation Assets Report on screen as a default display.
- MBR Reports → Asset Appendix Report→ replaced **Transmission & Natural Gas** sub menu with **Vertical Assets** sub menu.

Release 1.15

- MBR Administrative menu now available on the User Interface.
- MBR Administrative screen allows upload and download options for Release Notes and Data Dictionary.
- MBR Administrative screen provides ability to modify **Look-up tables** data and review audit history.
- MBR Administrator →Manage GID Records link, now provides the following features on the GID Administration screen:
  - Display ability to search GID records by GID name
  - Ability to initiate LINK function
  - Ability to select a record as lead
  - Ability to select from a list of records all records to be included in the relationship
  - Ability to indicate relationship/Group ID for all records who are a member of a relationship
  - Ability to indicate the relationship/Group Leader

Release 1.14

- MBR Data Tables→ Expanded search function to include **Submission FK** data field.
- Lookup Tables→ Addition of three tables: *lkp_mss_indicative_study_param, lkp_pss_indicative_study_param and lkp_supply_type.*
- Lookup Tables→ Data cleanup Active Date fields default to 1/1/2020 and Inactive dates default set to null.
- MBR Authorization→ Internal users only - MBR Administration screen security authorization implemented per *MBR Admin* group membership.
- Documents and Links→ Addition of WCF Service Link.
- MBR XML update to rename the PK column from *vertical_assets_id to entities_to_vertical_assets_id.*

Release 1.13
- **Major revision to the Data Dictionary – every table affected – Redline and Standard versions are available in [Documents and Links](#)**
- [MBR Reports link](#) from the User Interface screen links to the new MBR reports screen
- MBR Reports section of the website is the primary source for finding Reports and future Data Views
- Reports for MSS and PSS are available online and as CSV downloads
- Every Report contains a unique URL to the online report format
- Added the Action column in the MSS and PSS reports in the Submitted Data section of the website

Release 1.12
- Filing period information is no longer included in the validation and acceptance emails sent to the filer.
- Search → Gen Assets will display a validation error if there is no End Date in the Active Date field when there is Start Date in the Active Date field
- Placeholders are no longer displayed in the General Search, Gen Asset and the EIA data fields.
- Search → General now provides export options for XML, CSV, and JSON
- Search→ General screen modifications for the Search, Clear and Print button to align with the XML, CSV, and JSON export buttons
- Search → Look Up Tables; *BAA, Category Status in Region, Entity Type, PPA Type, Record Type, Region, Relationship Type, Scenario Type, Seasons, Study Type* and *Vertical Asset Type now have Active Dates as 1/1/2020*
- Search → EIA and Gen Asset now allow partial search in the name field (3 characters minimum)
- Implemented XML data submittal validation functionality for the MSS Indicative Screen table in accordance to the latest published Data Dictionary and Data Validation rules document

Release 1.11

- Following the new ferc.gov update, **XML/XSD Namespace was updated to reflect MBR server vs. FERC.GOV location**. [Sample files for all XML and XSD files have been updated accordingly](#).
- The *Latest Table Updates* table (pictured above) replaces the prior visual. The goal is to show the last release in which each specific table was updated. If you would like to, please submit feedback on this visual to MBRDatabase@ferc.gov
- The validation rules for MSS/PSS table submissions were relaxed to allow multiple MSS / PSS submissions by filer
- Search → Submitted Data tables now provide a search filter radio button for Active, Inactive, and All Records
- Search → Gen Assets screen now provides capabilities to search Gen Asset data "Search" the same as (CID/LEI/GID) screen with all functionalities (e.g. print and export)
- Search → EIA Screen now provides capability to search an export EIA data
- All searches now display 50 records on the screen per page
- The BAA and HUB lookup tables were updated to properly show the *Codes* of the locations, for use in submitting data
- Remove the MBRSubmissionType and DateofReport element in the FilingInformation Table
- Documents and Links → FERC.GOV URL updates.
- Enhanced the validation for entities_to_ppas: added/modify the rules for the columns(alt_methodology_used, source_balancing_authority_cd, source_balancing_authority_hub_cd, sink_balancing_authority_cd, sink_balancing_authority_hub_cd) to match the data dictionary

Release 1.10

- Search→ Look Up Tables and Submitted Data now provide export functions for CSV and JSON format in addition to XML.
- Search→ Gen Assets → now provide export functions for CSV and JSON format in addition to XML.
- Active and Inactive date columns are now visible on the right side of Search → Submitted Data tables.
- Search →Submitted Data→Searching will display validation message of "End range is missing" when there is no End Date in the End Range field.
- MBR Tables (e.g. 13 primary tables) now allow basic search and downloading functions as well as sorting, exporting and filter criteria by data type.
- Update of ***pparef_ID*** to **entity_id** and ***pparef_ID_type_CD*** to ***ppared_id_type*** for validation.
- Search→ Submitted Data→ MBR Tables now provide the ability to see data results, sort data and export XML data on the screen.
- New MBR reports available in the Reports portal for Filing Confirmation and Analytics.

Release 1.9

- Expansion of search and export capability of 5 of the 11 MBR Submitted Data tables (XML Format)
- Export function implemented for all MBR Lookup Tables (XML Format)
- Validation enhancement on study_parameter_value for recordtype=update, values to be in "1-9504" range.
- In the search → Submitted Data → MBR Lookup tables now all contain data and are exportable.

Release 1.8

- The MBR Authorization Screen record type field now provides an option to select a Record type of **1. New** or **2. Update,** from the drop-down box and provides an export button to export the record to an XML schema format
- Combined the Document Links and Useful Links screens into one page
- Updated the search tree layout to simplify searches in the Lookup Tables and Submitted Data
- Acceptance email for a GID XML submission now contains the newly created GID number(s)
- Acceptance email for a FERC Asset XML submission, now contains newly created FERC Asset ID number(s)
- Introduced the Web API page, currently available for Lookup Table data.
- Improved indexing capabilities with web API on the Search interface Look-up Table screen for the Balancing Authority table
- New report in the reports portal to display generation asset submission information
- New report in the reports portal to display GID submission summary information
- Company Name column was added to the MBR Authorization Table
- In the Search → Submitted Data screen→ *entities_to_genassets and entities_to_ppa* tables, added *gen_asset_type_fk* column and removed *gen_asset_id* column from *entities_to_genassets* table
- Updated the XML Submission file to validate all tables data when the **record_type_cd** *is null* to avoid errors in the filing

Release 1.7

- Correction to XML/XSD validation to allow submission of multiple records for given MRB Submission table.
- Modification to MBR lookup tables and removal of redundant table/data such as the replacement of Asset Table with Vertical Asset table.
- Modification of LEI search in the **General Search** screen to require a minimum of 5 characters to help facilitate more responsive search results.

- Modification MBR menu modification - Search menu now displays additional sub menus on the user interface:
  - **General** opens the general search
  - **General Assets**-**Lookup Table** displays a list of look-up tables selectable from the menu
  - **General Assets-Submission Data** displays a list of submission data selectable from the menu
- Initial implementation of search and export functionality for MBR Submission's MBR Authorization table to allow users the ability to search and filter data by table data and export result set to XML format.
- **Search** menu→ **Submission Data** →**MBR Authorization** screen now provides entry fields to enter the Start and End Range for dates, number fields and drop-down values for records types.
- **Reports** Menu in the interface has been removed and data now displays under the General Menu, and sub-menus.
- Expansion of Generation Asset submission recording to now log submitters of **Gen_Asset** identification to allow reporting of Gen Asset information by submitter.

Release 1.6

- Updates to the following lookup tables for *BAA, BAA_Region, Cat_Status_in_Region, Region, Relationship_Type* in support of validation processes.
- Look-up Table drop down menu list in the Reports screen updated to reflect lookup table changes.
- Company Registration, users should be able to assign and remove delegated agents for the MBR form submissions. This feature is visible in the Company Registration application only.
- Minor updates to user interface (e.g. release number display format)

Release 1.5

- Added New entries in the Generation Assets and XML schema files for FERCASSET or EIA to the **entities_to_genassets and entities_to_ppas** tables, for validation and database updates.
- Updated to general assets XML file for operating month validated as "1-12" and operating year validated as "1890-2050".
- Updated Generation Assets XML file with country information for United States, Canada or Mexico for validation.
- Expanded email notification for XML file submissions to include emails for receipt, validation, and acceptance/rejection. Validation emails contain a link

to the XML file that confirm either an acceptance of the filing or a rejection (failed) message. The rejection notification now contains the error(s) that caused the rejection.

Release 1.4

- Add new record types to the XML Schema and database for the following items: **entities_to_genassets, mbr_operating_reserves, mbr_authorizations, entities_to_vertical assets, entities to entities, indicative_pss, indicative_mss.**
- Update the following MBR Tables in support of MBR XML submission process; indicative_pss, and indicative_mss for validation and processing.

Release 1.3

- Updated the following MBR tables in support of MBR XML submission process: **entities_to_vertical_assets, mbr_operating_reserves, indicative_mss**
- Update to MBR support documents to include matching version numbers (e.g. GID, Generation Assets, MBR XML and MBR XSD).
- Updated MBR XML submission tables in accordance with data dictionary updates. This includes Record Type for filers to identify records as New or Update.
- Updated FERC_GEN_ASSET country lookup table to include all states for USA and all province and territories linked to Mexico and Canada.
- Addressed security vulnerabilities remediation per security scan reports.

Release 1.2

- Added the following MBR tables in support of MBR XML submission process: *entities_to_vertical_assets, mbr_operating_reserves, indicative_mss*
- Update to MBR support documents to include matching version numbers (e.g. GID, Generation Assets, MBR XML and MBR XSD)
- Updated MBR XML submission tables in accordance with data dictionary updates. This includes Record Type for filers to identify records as New or Update.
- Addressed security vulnerabilities remediation per security scan reports.

Release 1.1

- Added the following MBR tables in support of MBR XML submission process: **entities_to_genassets**, **entities_to_ppas**, **mbr_self_limitations**
- Clickable page number grids now display at the bottom of the search screen to advance to subsequent pages.
- Footer contact and release number information now displays at the bottom of every screen in the MBR system.

- Modifications have been made to validate the following tables: mbr_authorizations, mbr_category_status, mbr_mitigations and entities_to_entities.
- The search screen now allows individual selected and GID first and last name entered as a search option.
- The text for the radio box; "Are you requesting a GID for an individual" was modified and is located at the top of the create new GID screen.
- In the search page, there is now a clear button located next to the search button to clear the fields for another search.
- In the search option, the search input data is no longer case sensitive.
- In the search results the display of rows is increased to 50.
- Search results print button now prints all rows in the search results.
- All countries for companies throughout the world are now listed on the GID Screen.
- Search, reports and FERC on-line links are now available to the public without logging in or registering.
- In the Create New Generation assets screen, the year field will allow dates entered only between 1890 and 2050.
- IT-support center@ferc.gov has been replaced by MBRDatabase@ferc.gov in the banner for support contact.
- GID request email now displays, Entity name instead of Organization name.
- FERC asset email now displays, Assist ID instead of plant code.
- Registration email now displays, "Thank you for using the GID Service"