



PPDMTM

PROFESSIONAL PETROLEUM
DATA MANAGEMENT ASSOCIATION

PPDM COMPLIANCE

VENDOR NAME: TARGET ENERGY SOLUTIONS

PRODUCT NAME: MASTER DATA REPOSITORY

VERSION: 3.5

MEASUREMENT DATE: FEBRUARY 24, 17

PPDM COMPLIANCE SCORE

SCORE: TARGET, MDR, 3.5: CRC V3.9 – 321:154:145 GOLD 100%

CREATED BY

Name:

Leandro Iriarte

Position:

Director of Enterprise Software Development

Date:

February 24, 17

VERIFIED AND AUTHORIZED BY

Name:

Jamie Cruise

Position:

President, Digital Transformation

Date:

February 24, 17



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PRODUCT DESCRIPTION

The MEERA™ Master Data Repository is an integrated, extensible, master data management service. MDR is targeted at oil and gas regulators and operating companies who need to manage master seismic and wells datasets at regional, national, and international scales.

The MEERA™ MDR solution has been designed to provide a complete end-to-end online service for regulators and operators to implement a robust platform for data management and governance. The solution is completely web based, and supports business activity across the entire master data lifecycle, and includes workflows for submission, verification and loading of data from data providers, and search, order and delivery to data consumers.

At the heart of the solution is a PPDM 3.9 database, with a single, integrated online user interface for all operations, including public and registered user portals, administration, and data loading.

The geophysical data management service provides efficient processing of large scale seismic data sets including indexing, QC and interactive visualisation.

The comprehensive search engine includes advanced GIS features and an entitlements layer provides fine-grained access control to the underlying data.

The solution can manage a wide variety of content, from highly structured wells data, store directly in the database; unstructured content in documents and reports; through to complex bulk seismic data that can be visualised and transformed online.

MEERA™ MDR can be provisioned online in a fraction of the time that it takes to setup a traditional data bank. It is able to scale up to handle the largest repositories, with Petabytes or data, or scale-down to more modest deployments with only a few Terabytes of data.

The solution actively supports monitoring of data standards compliance and quality, through the use of intelligent, dynamic business rules which are integrated into the self-service data submission processes.

The use of collaborative, online workflows for aspects of content submission and distribution enables a broad community of stakeholders to engage with the data using the simple user interface, which can be accessed from mobile or desktop device.

[Download MDR brochure>](#)

UNDERLYING TECHNOLOGY

Database and version supported: Oracle 10g, MS SQL Server 12 and 13

Operating System supported: CentOS/RedHat >= 6.0 for the server; and any OS with one of the following web browsers for the client:

BROWSER	MINIMUM VERSION
Internet Explorer	11
Microsoft Edge	14



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Mozilla Firefox	50
Google Chrome	55
Safari	10
Opera	41

Other as appropriate: Application Server: JBoss 5.2, Apache >=2, Java 1.7

COMPLIANCE TYPE

- This product connects directly to the tables and columns in a physical PPDM database via SQL (Gold Compliance)
- ~~This product connects to a PPDM database by views or other connecting technology (Silver Compliance)~~



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PRODUCT COMPLIANCE DETAILS

Version of PPDM supported	3.9
Footprint: Which PPDM modules does your product reference?	APPLICATIONS AREAS BUSINESS ASSOCIATE LICENSES AND AUTHORIZATIONS BUSINESS ASSOCIATES CONTRACTS AND LEGAL AGREEMENTS COORDINATE SYSTEMS ENTITLEMENTS FINANCIAL SUMMARIES PPDM UNIT OF MEASURE PRODUCTION ENTITIES VOLUMES AND FORECASTS PROJECTS RECORDS PRODUCT AND INFORMATION MANAGEMENT REFERENCE TABLES RESERVE ENTITIES AND CLASSIFICATIONS SEISMIC SEISMIC LICENSES SPATIAL DESCRIPTIONS STRATIGRAPHY SUBSTANCES AND PRODUCTS WELLS WORK ORDERS AND REQUESTS
Product Scope: Number of tables or views implemented or referenced in the product, including tables that are not included in the PPDM data model.	321
Footprint: Number of tables or views that map to PPDM table	154

Compliance Application filled out by: Leandro Iriarte, Target Energy Solution

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definitions. On a separate document (using the DETAIL template provided), please list the names of the tables used.	
Compliance: Have the Primary Keys of any PPDM tables been modified or dropped? If any, indicate on the DETAIL document.	No
Compliance: Have any columns from any PPDM tables been removed or modified in any way? If any, indicate on the DETAIL document.	Yes
Compliance: Have parent tables for any tables used by your product been dropped from your footprint? Please list if yes.	No
Compliance: Do any additional tables or columns created for your product affect the PK of an existing PPDM Table?	No
Compliance: Do any additional tables or columns created for your product create mandatory relationships in PPDM tables?	No



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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
application				
area				
area_alias				
area_component				
area_contain				
area_description				
ba_address				
ba_license				
ba_license_area				
business_associate				
contract				
cs_coordinate_system				
ent_component				
entitlement				
field				
field_alias				
field_area				
field_component				
fin_component				
finance				
pden				
pden_component				
pden_vol_summ_other				
pden_vol_summary				
pden_well				
ppdm_unit_of_measure				
project				
project_alias				
project_component				
project_status				
r_activity_type				
r_alias_type				
r_area_type				
r_ba_category				
r_ba_service_type				
r_ba_status				

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r_ba_type				
r_digital_format				
r_dir_srvy_class				
r_dir_srvy_compute				
r_dir_srvy_corr_angle_type				
r_dir_srvy_report_type				
r_dir_srvy_type				
r_ent_access_type				
r_ent_type				
r_environment				
r_field_type				
r_interp_type				
r_item_category				
r_item_sub_category				
r_log_index_type				
r_media_type				
r_period_type				
r_physical_item_status				
r_pick_location				
r_ppdm_row_quality				
r_production_method				
r_project_comp_type				
r_project_status				
r_project_status_type				
r_project_type				
r_seis_dimension				
r_seis_group_type				
r_seis_pick_method				
r_seis_proc_set_type				
r_seis_record_type				
r_seis_ref_num_type				
r_seis_sample_type				
r_seis_status				
r_show_type				
r_source				
r_strat_type				
r_strat_unit_type				
r_trace_header_format				
r_tvd_method				
r_volume_method				



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r_water_datum				
r_well_class				
r_well_datum_type				
r_well_level_type				
r_well_log_class				
r_well_profile_type				
r_well_status				
r_well_status_type				
r_wo_ba_role				
r_wo_component_type				
r_wo_delivery_type				
r_wo_type				
reserve_entity				
rm_creator				
rm_data_store				
rm_info_item_content				
rm_information_item	abstract			Longer text needed NVARCHAR(4000)
	access_condition			Longer text needed NVARCHAR(4000)
	title			Longer text needed NVARCHAR(2400)
rm_physical_item	digital_size			Different precision - scale needed NUMERIC(22,3)
rm_seis_trace				
rm_trace_header				
rm_well_log				
seis_acqtn_design				
seis_acqtn_survey				
seis_alias				
seis_bin_grid				
seis_bin_point				
seis_group_comp				
seis_interp_set				
seis_interp_surface				
seis_license				
seis_line				
seis_pick				
seis_point	seis_point_label			Longer text needed NVARCHAR(255)

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seis_point_summary	first_nline_no			More precision needed NUMERIC(9,0)
	last_nline_no			More precision needed NUMERIC(9,0)
	first_xline_no			More precision needed NUMERIC(9,0)
	last_xline_no			More precision needed NUMERIC(9,0)
seis_proc_component				
seis_proc_set				
seis_record				
seis_set				
seis_set_area				
seis_set_component				
seis_set_status				
seis_velocity_volume				
sf_platform				
sf_support_facility				
sp_boundary				
sp_point				
sp_point_version	x_coordinate			More precision needed NUMERIC(15,5)
	y_coordinate			More precision needed NUMERIC(15,5)
sp_polygon				
spatial_description				
strat_name_set				
strat_unit				
strat_well_section	pick_tvd			More precision needed NUMERIC(22,5)
substance				
well	ground_elev			More precision needed NUMERIC(15,5)



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	max_tvd			More precision needed NUMERIC(15,5)
well_alias				
well_area				
well_ba_service				
well_component				
well_dir_srvy				
well_dir_srvy_station				
well_horiz_drill				
well_horiz_drill_kop				
well_license				
well_log	log_title			Longer text needed NVARCHAR(2000)
well_log_class				
well_log_curve				
well_log_curve_class				
well_log_dict_crv_cls				
well_log_dict_curve				
well_log_dictionary				
well_node	longitude			More precision needed NUMERIC(20,9)
	latitude			More precision needed NUMERIC(20,9)
well_show				
well_xref				
work_order				
work_order_ba				
work_order_component				
work_order_delivery				
work_order_delivery_comp				

COMPANY VERIFICATION

I, Leandro Iriarte hereby verify that the information provided in this document provides a true and complete representation of the information required for a PPDM Compliance Measurement, has been created by persons with sufficient technical knowledge, and has been verified and authorized by an officer or appointed designate of the Company.

CREATED BY

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Position: Director of Enterprise Software Development

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Name: Jamie Cruise

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