



PROFESSIONAL PETROLEUM
DATA MANAGEMENT ASSOCIATION

PPDM COMPLIANCE

VENDOR NAME: KATALYST DATA MANAGEMENT

PRODUCT NAME: IGLASS

VERSION: 5.8.X

MEASUREMENT DATE: March 20, 2018

PPDM COMPLIANCE SCORE

SCORE: PPDM3.8_300_159_iGlass5.8.X_159_Gold_100%

CREATED BY

Name:

Brad Hazel

Position:

Developer

Date:

March 20, 2018

VERIFIED AND AUTHORIZED BY

Name:

Judy A. Curtis

Position:

CEO

Date:

March 21, 2018



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PRODUCT DESCRIPTION

Please include a brief description of the product. Include information about the purpose and usage of the product, and the intended audience. You may include screen shots or other illustrations as appropriate.

Katalyst's **iGlass** data management software provides a complete set of tools that encompass the full life cycle of our customers' subsurface assets. Built on PPDM 3.8 public data model, **iGlass** incorporates a web based ESRI GIS map interface for direct access to your digital subsurface data, securely stored in a private cloud. Katalyst hosts the **iGlass** data management software as a service (SaaS) for our clients.

You may also see reference to **iGlass** suite of products at www.katalystdm.com

UNDERLYING TECHNOLOGY

Database and version supported: ORACLE 11.2.0.3.4

Operating System supported: End users launch **iGlass** products from Windows 7 or 10 by using a standard web browser.

Other as appropriate: **iGlass** is browser based. Supported browsers (as of March 2018) are IE 11, latest versions of Firefox, Chrome and Microsoft Edge.

COMPLIANCE TYPE

- This product connects directly to the tables and columns in a physical PPDM database via SQL (Gold Compliance). **iGlass fits in this category**
- 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	3.8
Footprint: Which PPDM modules does your product reference?	Seismic, Wells, Records Management, Spatial Geodetic, Finance, Interest Sets, Areas, Business Associates, PPDM Meta Model, Projects
Product Scope: Number of tables or views implemented or referenced in the product, including tables that are not included in the PPDM data model.	300
Footprint: Number of tables or views that map to PPDM table definitions. On a separate document (using the DETAIL template provided), please list the names of the tables used.	159
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

Please note that the following modifications have been made to ***all*** PPDM tables that **iGlass** is utilizing:

- Increase the size of ROW_CREATED_BY from VARCHAR2(30) to VARCHAR2(128)
- Increase the size of ROW_CHANGED_BY from VARCHAR2(30) to VARCHAR2(128)
- Default of 'Y' on ACTIVE_IND



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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
AREA		N	N	
AREA_COMPONENT		N	N	
AREA_CONTAIN		N	N	
BA_ADDRESS		N	N	
BA_CONTACT_INFO		N	N	
BA_EMPLOYEE		N	N	
BA_SERVICE		N	N	
BUSINESS_ASSOCIATE		N	N	
CS_COORDINATE_SYSTEM		N	N	
CS_COORD_ACQUISITION		N	N	
CS_COORD_TRANSFORM	transform_type	N	N	O: varchar2(20) N: varchar2(22)
CS_ELLIPSOID		N	N	
CS_GEODETTIC_DATUM		N	N	
CS_PRIME_MERIDIAN		N	N	
FINANCE		N	N	



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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
FIN_COMPONENT		N	N	
INTEREST_SET		N	N	
INT_SET_COMPONENT		N	N	
INT_SET_PARTNER		N	N	
PPDM_COLUMN		N	N	
PPDM_MEASUREMENT_SYSTEM		N	N	
PPDM_QUALITY		N	N	
PPDM_RULE	rule_query	N	N	O: varchar2(2000) N: varchar2(4000)
PPDM_RULE_DETAIL		N	N	
PPDM_RULE_XREF		N	N	
PPDM_SYSTEM		N	N	
PPDM_TABLE		N	N	
PPDM_UNIT_OF_MEASURE		N	N	
PROJECT		N	N	
PROJECT_BA		N	N	
PROJECT_BA_ROLE		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
PROJECT_COMPONENT		N	N	
RM_CIRCULATION		N	N	
RM_COPY_RECORD		N	N	
RM_DATA_CONTENT		N	N	
RM_DATA_STORE		N	N	
RM_FILE_CONTENT		N	N	
RM_INFORMATION_ITEM		N	N	
RM_INFO_ITEM_CONTENT		N	N	
RM_PHYSICAL_ITEM	group_ind	N	N	default 'N'
RM_PHYS_ITEM_CONDITION		N	N	
RM_PHYS_ITEM_GROUP		N	N	
RM_PHYS_ITEM_MAINT		N	N	
RM_PHYS_ITEM_ORIGIN		N	N	
RM_PHYS_ITEM_STORE		N	N	
RM_SEIS_TRACE	sample_rate	N	N	O: number(1,0) N: number(8,4)
R_ADDRESS_TYPE		N	N	
R_ALIAS_REASON_TYPE		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
R_ALIAS_TYPE		N	N	
R_AREA_CONTAIN_TYPE		N	N	
R_AREA_TYPE		N	N	
R_BA_CATEGORY		N	N	
R_BA_CONTACT_LOC_TYPE		N	N	
R_BA_ORGANIZATION_TYPE		N	N	
R_BA_SERVICE_TYPE		N	N	
R_BA_STATUS		N	N	
R_BA_TYPE		N	N	
R_BA_XREF_TYPE		N	N	
R_COLOR_FORMAT		N	N	
R_CONDITION_TYPE		N	N	
R_COORD_SYSTEM_TYPE		N	N	
R_CS_TRANSFORM_TYPE	transform_type	N	N	O: varchar2(20) N: varchar2(22)
R_DATA_CIRC_STATUS		N	N	
R_DATA_STORE_TYPE		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
R_DIGITAL_FORMAT		N	N	
R_DIR_SRVY_CLASS		N	N	
R_DIR_SRVY_COMPUTE		N	N	
R_DIR_SRVY_POINT_TYPE		N	N	
R_DIR_SRVY_RECORD		N	N	
R_DIR_SRVY_TYPE		N	N	
R_DOCUMENT_TYPE		N	N	
R_DOC_STATUS		N	N	
R_EMPLOYEE_POSITION		N	N	
R_EMPLOYEE_STATUS		N	N	
R_ENVIRONMENT		N	N	
R_EW_DIRECTION		N	N	
R_FIN_STATUS		N	N	
R_FIN_TYPE		N	N	
R_INTERP_TYPE		N	N	
R_INT_SET_ROLE		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
R_INT_SET_TYPE		N	N	
R_ITEM_CATEGORY		N	N	
R_ITEM_SUB_CATEGORY		N	N	
R_MAINT_PROCESS		N	N	
R_MEDIA_TYPE		N	N	
R_NODE_POSITION		N	N	
R_NORTH		N	N	
R_NS_DIRECTION		N	N	
R_PHYSICAL_ITEM_STATUS		N	N	
R_PHYSICAL_PROCESS		N	N	
R_PHYS_ITEM_GROUP_TYPE		N	N	
R_PPDM_BOOLEAN_RULE		N	N	
R_PPDM_RULE_CLASS		N	N	
R_PPDM_RULE_XREF_COND		N	N	
R_PPDM_PROJECT_BA_ROLE		N	N	
R_PROJECT_STATUS_TYPE		N	N	



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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
R_PROJECT_TYPE		N	N	
R_PUBLICATION_NAME		N	N	
R_QUALITY		N	N	
R_RETENTION_PERIOD		N	N	
R_SEIS_ACTIVITY_CLASS		N	N	
R_SEIS_ACTIVITY_TYPE		N	N	
R_SEIS_AUTHORIZE_REASON		N	N	
R_SEIS_AUTHORIZE_TYPE		N	N	
R_SEIS_DIMENSION		N	N	
R_SEIS_ENERGY_TYPE		N	N	
R_SEIS_GROUP_TYPE		N	N	
R_SEIS_RCRD_FMT_TYPE		N	N	
R_SEIS_RCRD_MAKE		N	N	
R_SEIS_RCVR_ARRY_TYPE		N	N	
R_SEIS_RCVR_TYPE		N	N	
R_SEIS_SAMPLE_TYPE		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
R_SEIS_SRC_ARRAY_TYPE		N	N	
R_SEIS_SRC_MAKE		N	N	
R_SEIS_STATION_TYPE		N	N	
R_SEIS_STATUS		N	N	
R_SEIS_STATUS_TYPE		N	N	
R_SEIS_SWEEP_TYPE		N	N	
R_SERVICE_QUALITY		N	N	
R_SOURCE		N	N	
R_SP_POINT_VERSION_TYPE		N	N	
R_STORE_STATUS		N	N	
R_SW_APPLICATION		N	N	
R_TAX_CREDIT_CODE		N	N	
R_TRANS_COMP_TYPE		N	N	
R_TRANS_STATUS		N	N	
R_TRANS_TYPE		N	N	
R_WELL_CLASS		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
R_WELL_COMPONENT_TYPE		N	N	
R_WELL_DATUM_TYPE		N	N	
R_WELL_LEVEL_TYPE		N	N	
R_WELL_PROFILE_TYPE		N	N	
R_WELL_STATUS		N	N	
R_WELL_STATUS_TYPE		N	N	
SEIS_ACQTN_DESIGN		N	N	
SEIS_ACQTN_SURVEY	acqtn_survey_name	N	N	O: varchar2(40) N: varchar2(255)
SEIS_ACTIVITY	remark	N	N	O: varchar2(2000) N: varchar2(4000)
SEIS_ALIAS		N	N	
SEIS_GROUP_COMP		N	N	
SEIS_LINE		N	N	
SEIS_POINT		N	N	
SEIS_POINT_VERSION	seis_point_no	N	N	O: number(10,3) N: number(12,3)
SEIS_RECVR_MAKE		N	N	
SEIS_RECVR_SETUP		N	N	

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PRODUCT DETAILS

TABLE NAME	COLUMN NAME	PK ALTERED	FK ALTERED	COLUMN ALTERED
SEIS_SET		N	N	
SEIS_SET_AREA		N	N	
SEIS_SET_AUTHORIZE		N	N	
SEIS_SET_STATUS		N	N	
SEIS_TRANSACTION	reference_num	N	N	O: varchar2(20) N: varchar2(50)
SEIS_TRANS_COMPONENT		N	N	
SOURCE_DOCUMENT		N	N	
WELL		N	N	
WELL_ALIAS		N	N	
WELL_AREA		N	N	
WELL_COMPONENT		N	N	
WELL_DIR_SRVY		N	N	
WELL_DIR_SRVY_STATION		N	N	
WELL_NODE		N	N	
WELL_STATUS		N	N	



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COMPANY VERIFICATION

I, Richard Davis 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

Name: Mark Hooper

Position: Chief Database Architect

Date: February 28 2018

VERIFIED AND AUTHORIZED BY

Name: Richard Davis 

Position: SVP & CIO

Date: March 8, 2018

PPDM Compliance Evaluation

Table	Column	Changed	Katalyst Reason For Change	PPDM comment	Compliance
All Tables	ROW_CHANGED_BY	VARCHAR2(30) to VARCHAR2(128)	This was to allow us to write larger values as 30 characters just isn't adequate any more.	Change is PPDM Compliant	100%
All Tables	ROW_CREATED_BY	VARCHAR2(30) to VARCHAR2(128)	This was to allow us to write larger values as 30 characters just isn't adequate any more.	Change is PPDM Compliant	100%
All Tables	ACTIVE_IND	default of 'Y'	Our application is 'active indicator' aware. Records that are 'inactive' are not shown in our application, by default (but a preference in our applications can be set to allow 'inactive' data to show).	Change is PPDM Compliant	100%
CS_COORD_TRANSFORM	TRANSFORM_TYPE	VARCHAR2(20) to VARCHAR2(22)	We got stuck with needing a larger value than the reference table's 'natural' key would provide. We increased it accordingly (and the source reference table, R_CS_TRANSFORM_TYPE)	PPDM 3.9 has increased it to 40	100%
PPDM_RULE	RULE_QUERY	VARCHAR2(2000) to VARCHAR2(4000)	We have rules that require more than 2000 characters to express.	Change is PPDM Compliant	100%
RM_PHYSICAL_ITEM	GROUP_IND	default of 'N'	We set a default so that applications and triggers didn't have to worry about setting this (unless they *need* to set it to 'Y').	Change is PPDM Compliant	100%
RM_SEIS_TRACE	SAMPLE_RATE	NUMBER(1,0) to NUMBER(8,4)	There was no way to express sample rates that we were getting from our clients in the existing column size/precision.	PPDM 3.9 has it increased to (8,4)	100%
R_CS_TRANSFORM_TYPE	TRANSFORM_TYPE	VARCHAR2(20) to VARCHAR2(22)	We got stuck with needing a larger value than the table's 'natural' key would provide. We increased it accordingly (and the foreign key column CS_COORD_TRANFORM.transform_type).	PPDM 3.9 has increased it to 40	100%
SEIS_ACQTN_SURVEY	ACQTN_SURVEY_NAME	VARCHAR2(40) to VARCHAR2(255)	We were receiving client data that had larger names than would fit in 40 characters.	PPDM 3.9 has increased it to 255	100%
SEIS_ACTIVITY	REMARK	VARCHAR2(2000) to VARCHAR2(4000)	We had various clients request that we increase the size of the seismic activity remark.	Change is PPDM Compliant	100%
SEIS_POINT_VERSION	SEIS_POINT_NO	NUMBER(10,3) to NUMBER(12,3)	We had clients that needed to store values larger than NUMBER(10,3) would provide.	PPDM 3.9 has it at (12,0)	100%
SEIS_TRANSACTION	REFERENCE_NUM	VARCHAR2(20) to VARCHAR2(50)	20 characters just wasn't adequate to store the reference numbers we've run into	Change is PPDM Compliant	100%


