Frameworx 13.0 Product Conformance Certification Report

ORACLE

Oracle Communications Data Model (OCDM) V11.3.2

March 2014

Version 1.0

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1   Introduction

1.1   Executive Summary

This document provides details of Oracle's self-assessment and TM Forum's Conformance Assessment of **Oracle Communications Data Model (OCDM) V11.3.2 Product**, against the following Frameworx 13 components:

- Information Framework Version 13

The assessment included a review of:

- Conformance to the Information Framework Release 13.0 Domains/Aggregate Business Entities according to the specific ABEs submitted in scope for the Assessment.
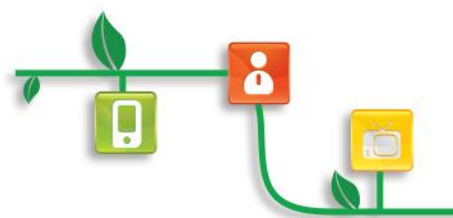
2   Product Functionality/Capability Overview

2.1   Oracle OCDM Product – Product Description

Oracle Communications Data Model (OCDM) is a standards-based data warehouse and analytics application designed for the communications industry. OCDM combines market-leading communications application knowledge with the performance of Oracle's Database and Business Intelligence platforms.

In addition to a comprehensive logical data model, OCDM includes the following components:

- Physical data model implementation with thousands of tables and columns
- Multiple model tiers from a third-normal-form (3NF) foundation layer, to dimensional models at the derived and aggregate layer
- Pre-built, industry specific advanced forecasting and predictive analytic models utilizing OLAP cubes and data mining technologies
- Out of the box reports and dashboards delivering a variety of industry specific measurements
- Comprehensive metadata for BI, reporting, and ad-hoc queries
- Pre-built adapters to load data from OSS/BSS Applications into OCDM for analysis

With OCDM, Service Providers can jump-start the design and implementation of their data warehouse and business intelligence projects in order to achieve a positive ROI much more quickly.

3 Business Process Framework Assessment Overview

Not applicable for this Assessment/Certification.
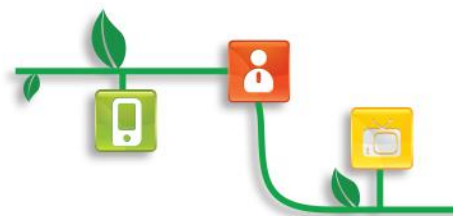
4 Business Process Framework – Process Mapping Descriptions

Not applicable for this Assessment/Certification.

5 Information Framework Assessment Overview

5.1 Mapping Technique Employed

The certification scope defines the list of ABEs (Aggregated Business Entities) to be addressed during the assessment. The entities, association classes and dependent entities for each ABE in scope are also included in the assessment.

The mapping technique used, was based on the analysis of the SID model files and addendum specifications for the entities', association classes' in scope and its related attributes. The role of each entity', association class or attribute is then interpreted and mapped into the OCDM information model related element. This will clearly state how the SID model is supported by OCDM.
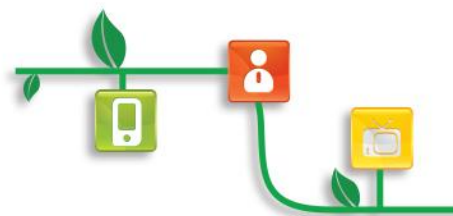
5.2 Information Framework Assessment - ABE Scope

The diagram in Figure 5-1 illustrates the Information Framework Level 1 ABEs that were presented in scope for the Assessment.
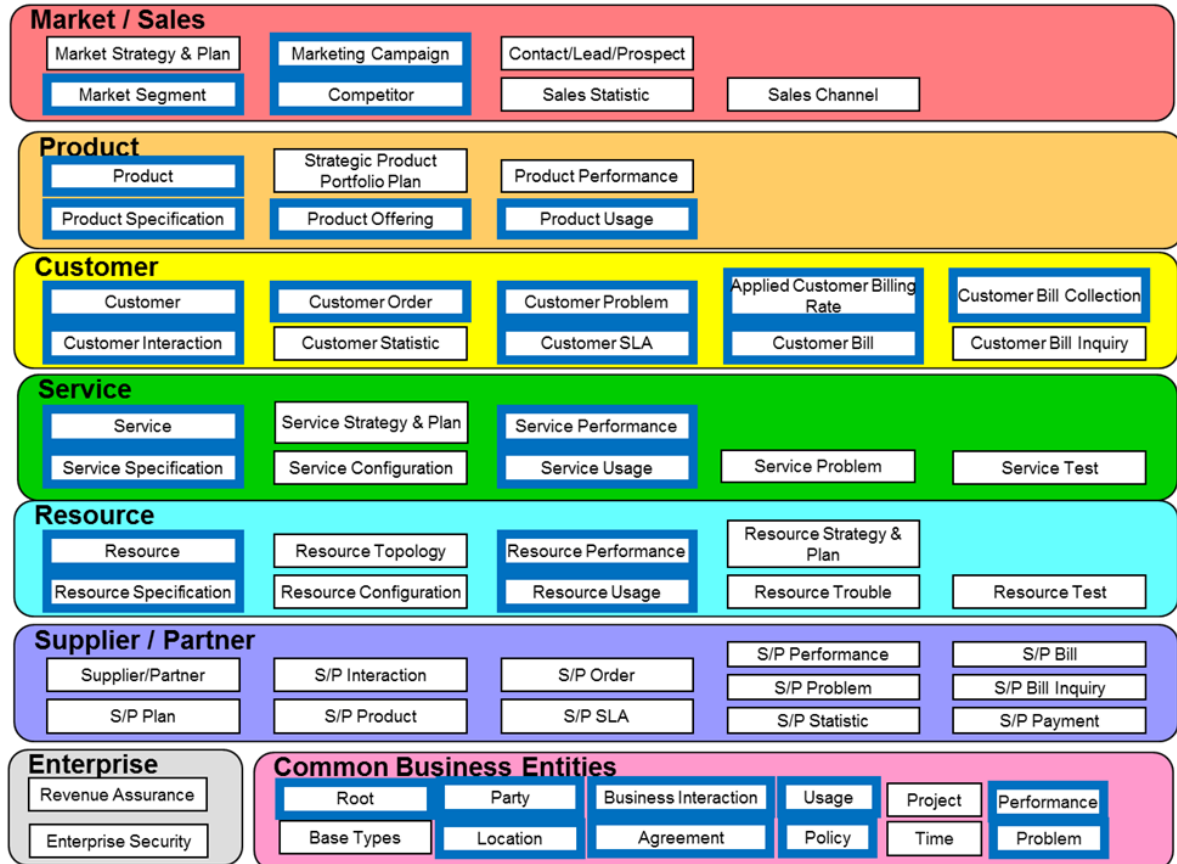
Figure 5-1 Information Framework: Level 1 ABEs in scope for OCDM V11.3.2 Assessment
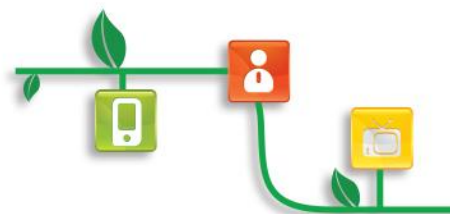
5.3 Product Scope

The diagram in Figure 5-2 represents the Oracle OCDM product and how it is mapped to the Information Framework Level 1 ABEs that were assessed as part of this Frameworx Conformance Assessment.
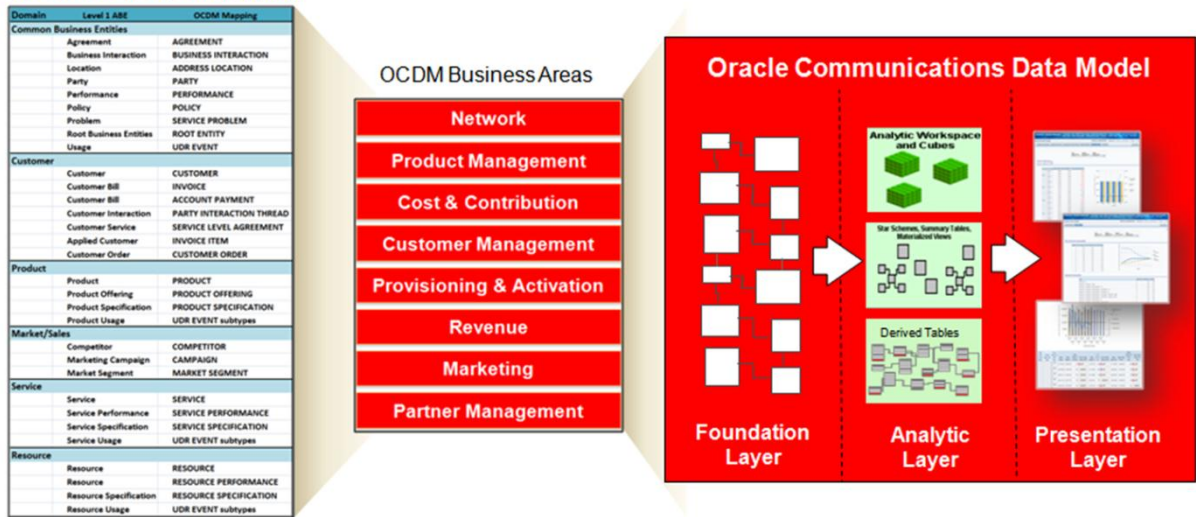
Figure 5-2 Oracle OCDM Product Footprint: Product Scope for SID Assessment

6 Frameworx Conformance Result

Note that this assessment covered only the Information Framework component of Frameworx 13.0.

6.1 Business Process Framework – Scoring Rules

Not applicable for this Assessment/Certification.

6.2 Business Process Framework - Conformance Result Summary

Not applicable for this Assessment/Certification.

6.3 Business Process Framework – Conformance Results Detailed

Not applicable for this Assessment/Certification.

6.4 Information Framework – Scoring Rules

The conformance scores granted were based on the following TM Forum scoring rules:

| Frameworx 13.0 Conformance Certification (Product/Solution/Implementation)	
Information Framework (SID) - Conformance Score Descriptions	
Conformance Score	**Qualifier**
Non Conformance [Score = 1]	The content of the model is compatible with a subset of the Information Framework (SID) ABEs that define its domain coverage. This provides two interacting components/solutions with a common vocabulary and model structure. The subset represents the scope of the model, expressed in Information Framework (SID) domains and ABEs.
Non Conformance [Score = 2]	The model has passed level 1 conformance and the content of the ABE, part of the domain coverage and defined in the model, contains the ABE's core business entity or entities. A core business entity is an entity upon which other entities within the ABE are dependent. e.g. Service in the Service ABE. A core entity is also an entity whose absence in the ABE would make the ABE incomplete.
Very Low Conformance [2.0 < Score <= 3.0]	The model has passed level 2 conformance and *a percentage of the required attributes of the ABE's core entity or entities are defined in the model.
Low Conformance [3.0 < Score <= 4.0]	The model has passed level 3 conformance and *a percentage of the dependent entities within the ABE are defined in the model. A dependent entity is one whose instances are dependent on an instance of a core entity. For example, a ServiceCharacteristic instance within the Service ABE is dependent upon an instance of the Service entity.
Medium Conformance [4.0 < Score <= 5.0]	The model has passed level 4 conformance and *a percentage of the required attributes of the ABE's dependent entities are defined in the model.
High Conformance [5.0 < Score <= 6.0]	The model has passed level 5 conformance and *a percentage of all attributes of the ABE's core entities are defined in the model.
Very High Conformance [6.0 < Score < 7.0]	The model has passed level 6 conformance and *a percentage of all attributes of the ABE's dependent entities are defined in the model.
Full Conformance [Score = 7.0]	The model has achieved Level 7 conformance (Full Conformance) and all attributes of the ABE's core & dependent entities are defined in the model.
* For each level, according to what is required, a value is calculated based on the percentage of entities/attributes supported - as appropriate. This will result in a decimal figure (rounded to one decimal place).	

Figure 6-1 - TM Forum Information Framework: Conformance Scoring Rules

Notes:

A **core business entity** is an entity upon which other entities within the ABE are dependent. For example, Service in the Service ABE. A model should strive to attain as high a level of Information Framework (SID) conformance as possible. A core entity is also an entity whose absence in the ABE would make the ABE incomplete.

A **dependent entity** is one whose instances are dependent on an instance of a core entity. For example, a ServiceCharacteristic instance within the Service ABE is dependent upon an instance of the Service entity.
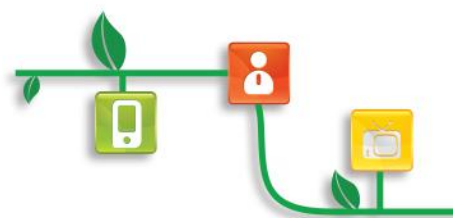
6.5 Information Framework – Conformance Result Summary

The following graphs provide the conformance results for the ABEs submitted in scope for the OCDM Assessment.
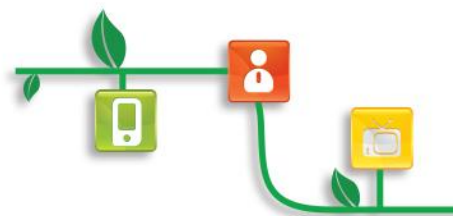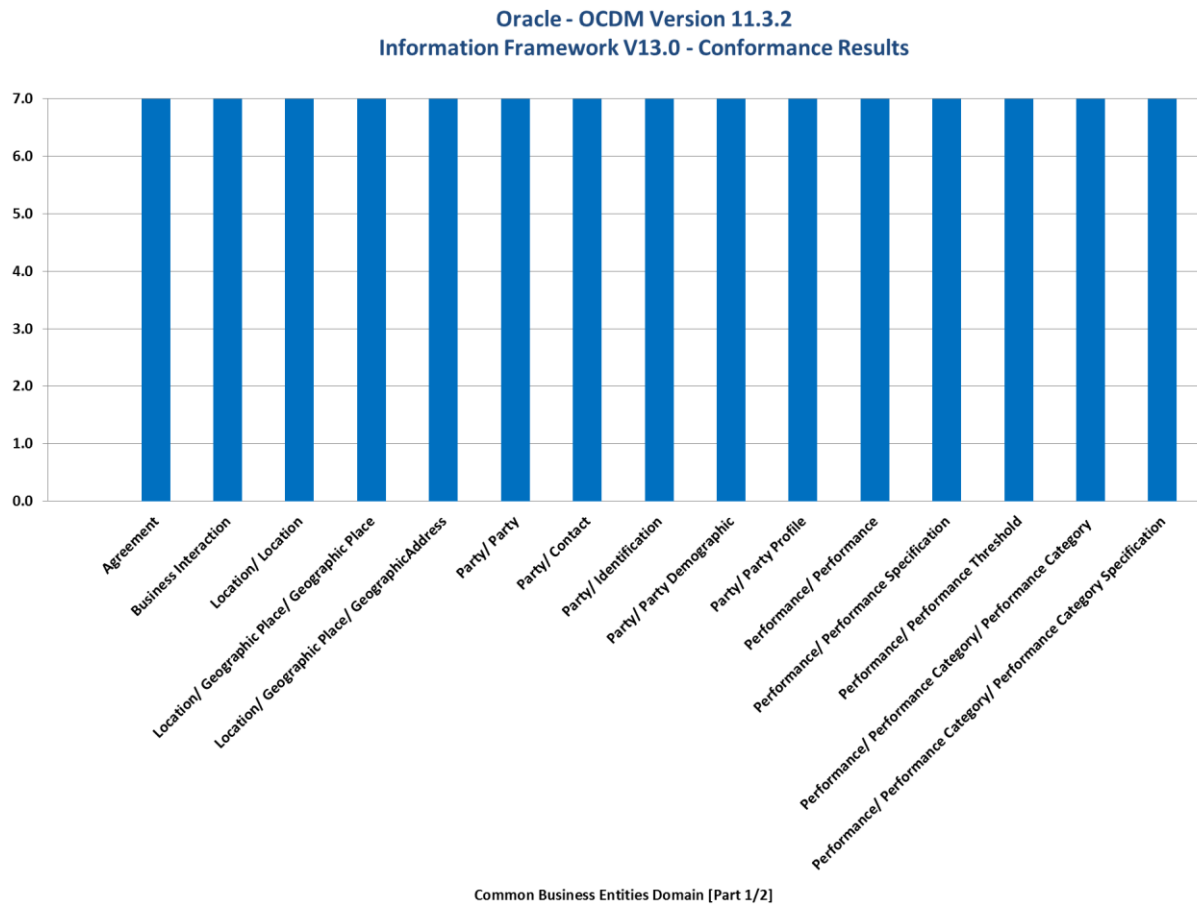
Oracle - OCDM Version 11.3.2
Information Framework V13.0 - Conformance Results

Common Business Entities Domain [Part 1/2]

Oracle - OCDM Version 11.3.2
Information Framework V13.0 - Conformance Results

Common Business Entities Domain [Part 2/2]

Figure 6-2 Oracle OCDM Conformance Results – Common Business Entities Domain [2/2]

Oracle - OCDM Version 11.3.2
Information Framework V13.0 - Conformance Results

Figure 6-3 Oracle OCDM Conformance Results – Customer, Product & Market/Sales Domains

Oracle - OCDM Version 11.3.2
Information Framework V13.0 - Conformance Results
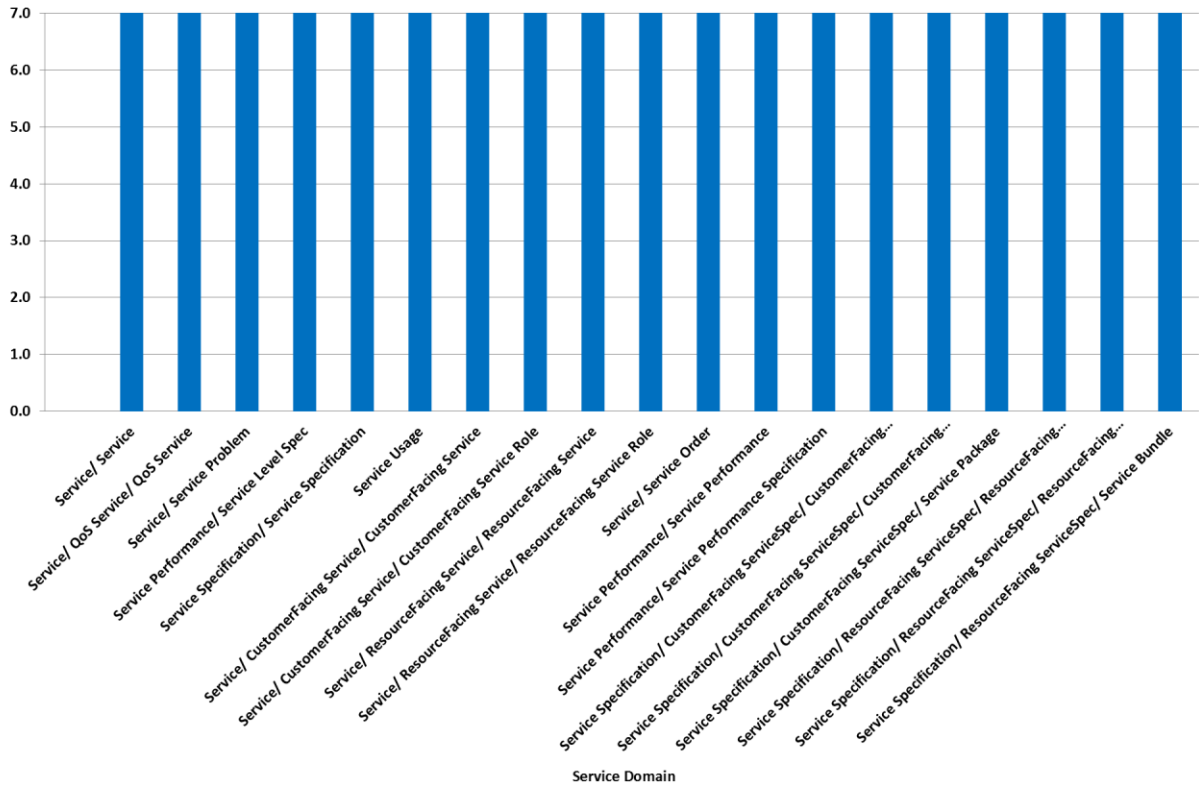
Figure 6-4 Oracle OCDM Conformance Results – Service Domain
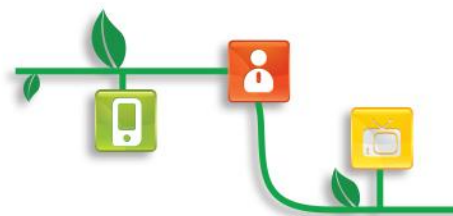
Oracle - OCDM Version 11.3.2
Information Framework V13.0 - Conformance Results

Resource Domain [Part 1/2]
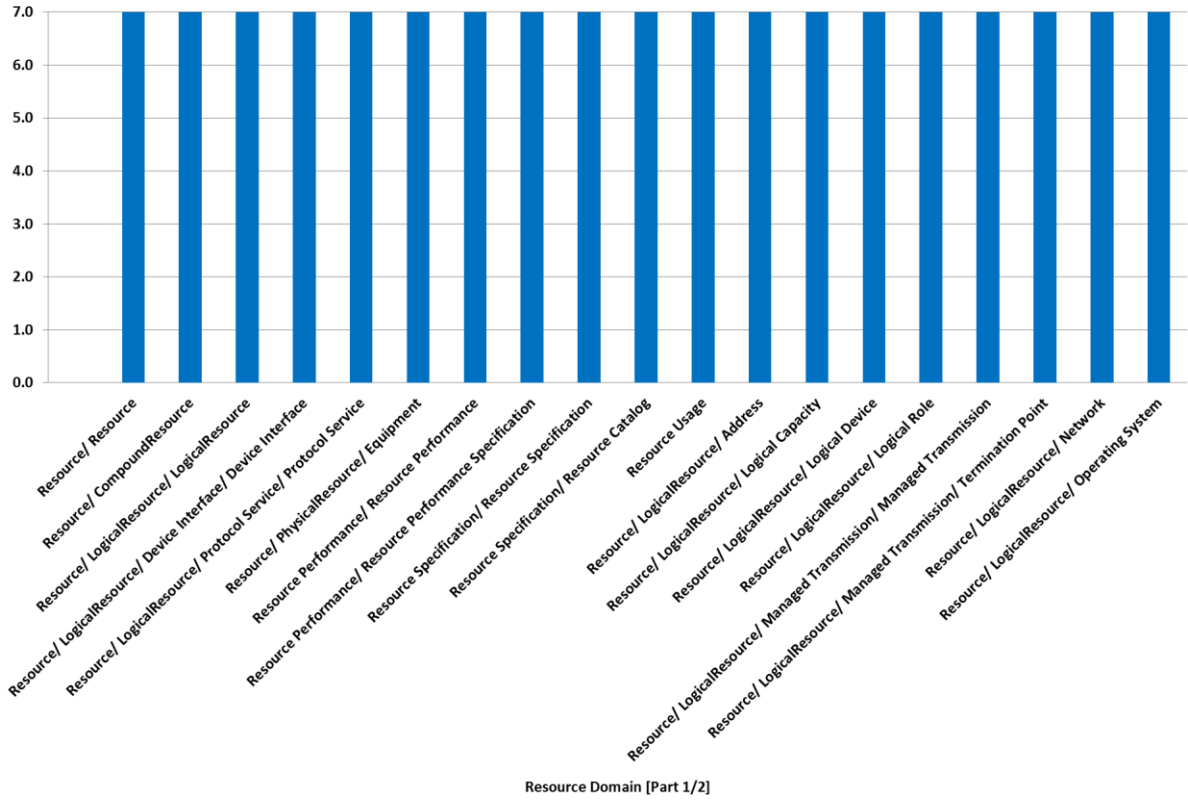
Figure 6-5 Oracle OCDM Conformance Results – Resource Domain [Part 1/2]

Oracle - OCDM Version 11.3.2
Information Framework V13.0 - Conformance Results

Resource Domain [Part 2/2]
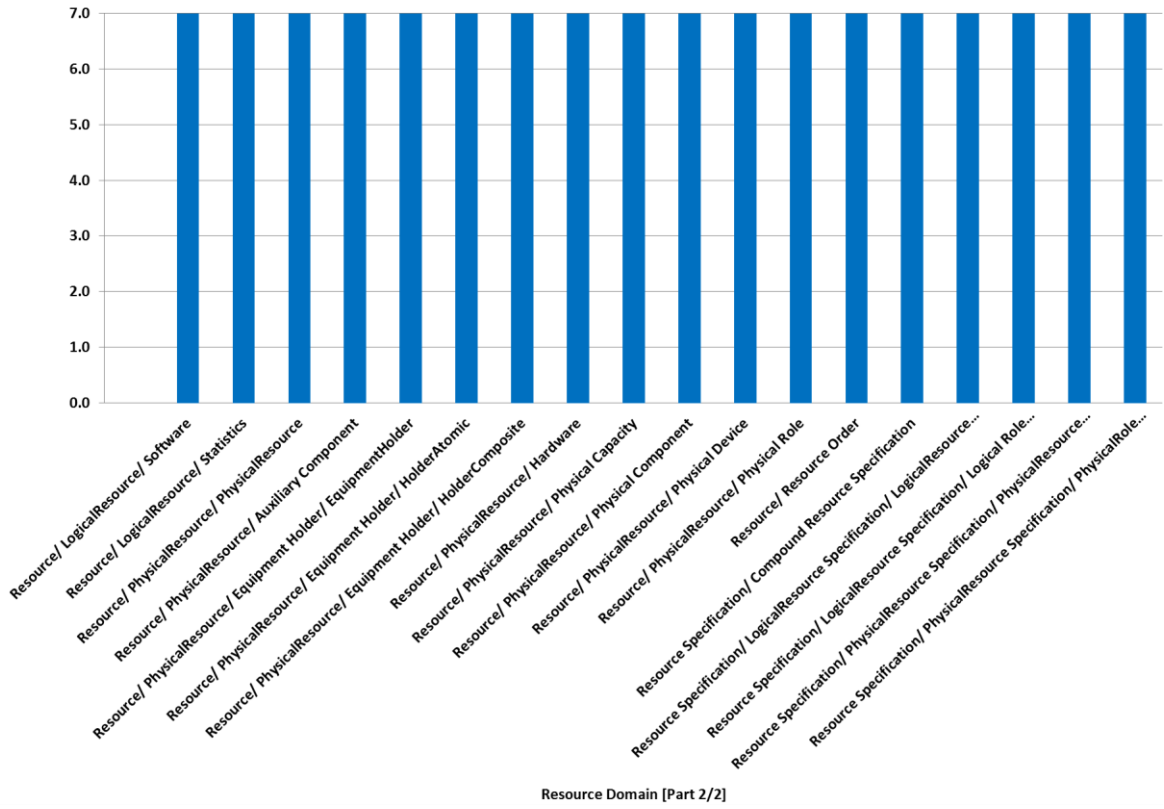
Figure 6-6 Oracle OCDM Conformance Results – Resource Domain [Part 2/2]

6.6 Information Framework – Conformance Result Detailed

The following table provides a more detailed breakdown of the scores awarded with some additional commentary.

Table 6.1 - Information Framework: Detailed Conformance Result

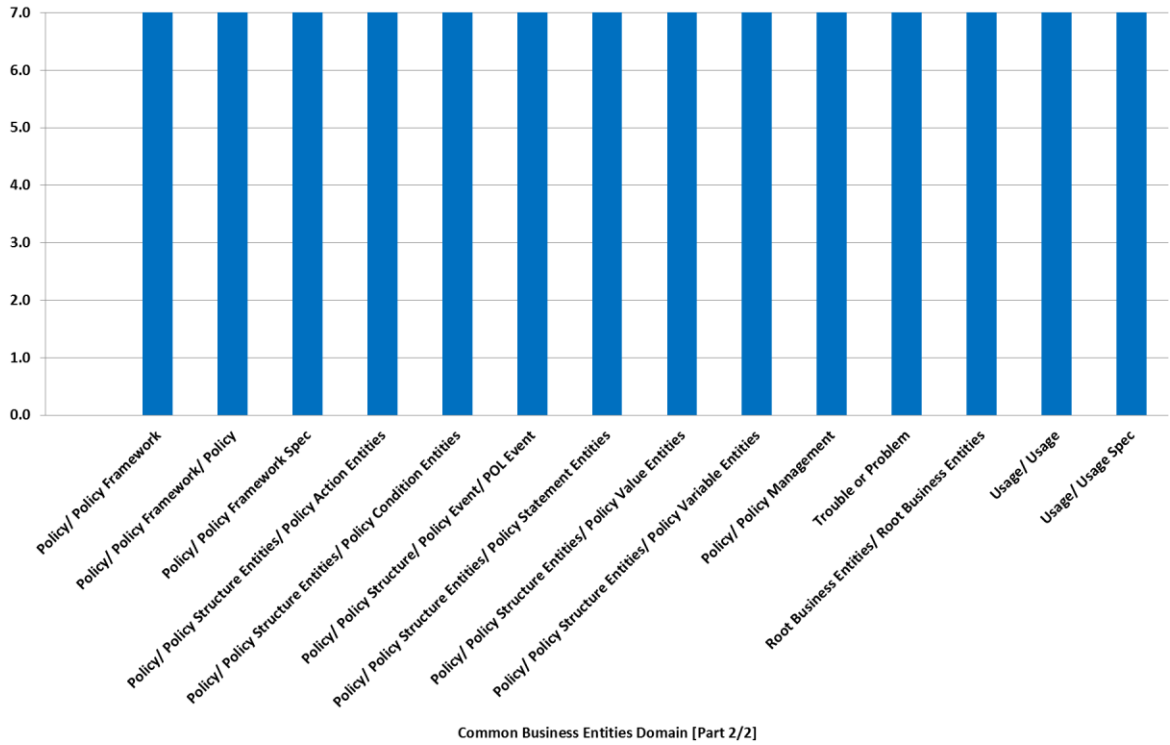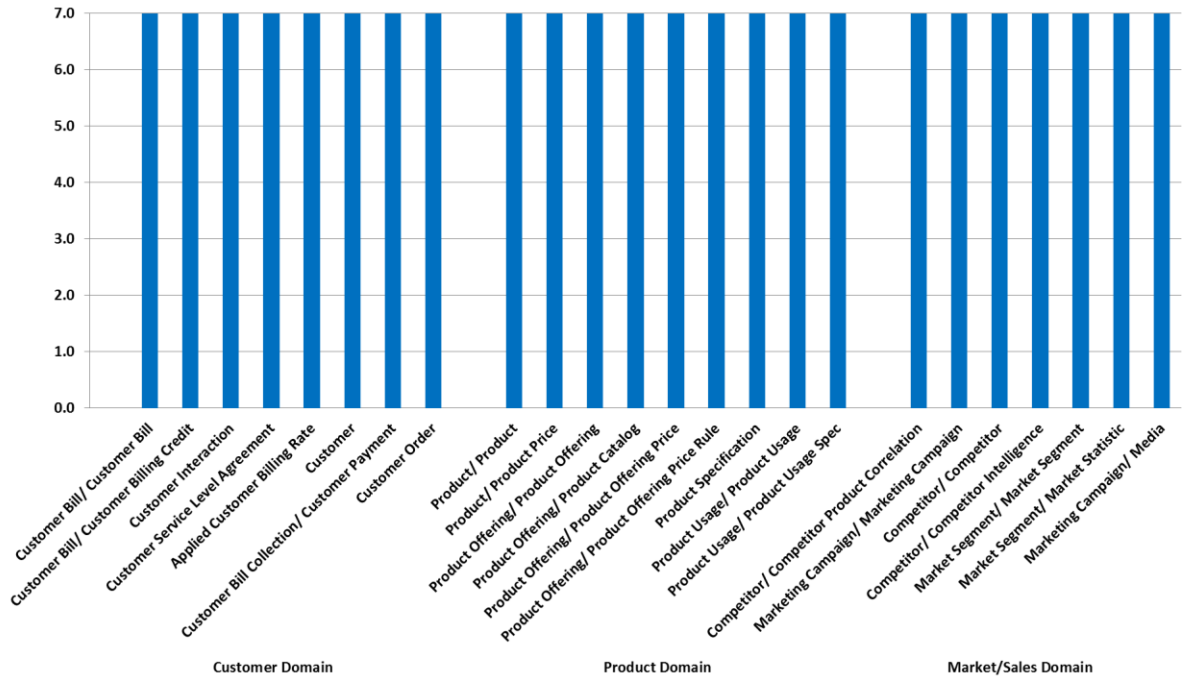| Oracle OCDM V11.3.2 Information Framework (SID) Release 13.0 Conformance		
ABE	**Conformance Score**	**Comment**
Common Business Entities Domain		
Agreement	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Business Interaction	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Location/ Location	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Location/ Geographic Place/ Geographic Place	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Location/ Geographic Place/ GeographicAddress	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Party/ Party	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
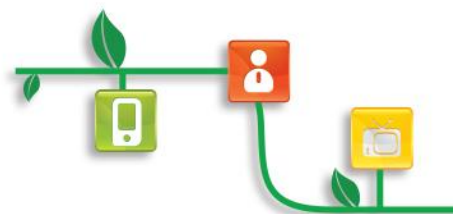
Party/ Contact	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Party/ Identification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Party/ Party Demographic	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Party/ Party Profile	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Performance/ Performance	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Performance/ Performance Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Performance/ Performance Threshold	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Performance/ Performance Category/ Performance Category	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Performance/ Performance Category/ Performance Category Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

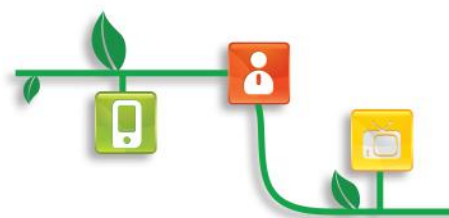|		
Policy/ Policy Framework	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Framework/ Policy	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Framework Spec	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Structure Entities/ Policy Action Entities	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Structure Entities/ Policy Condition Entities	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Structure/ Policy Event/ POL Event	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Structure Entities/ Policy Statement Entities	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Structure Entities/ Policy Value Entities	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Policy/ Policy Structure Entities/ Policy Variable Entities	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

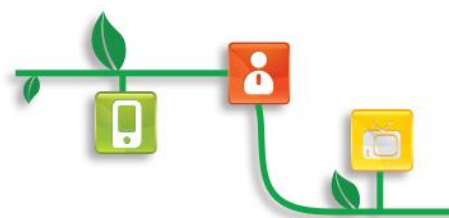|		
Policy/ Policy Management	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Trouble or Problem	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Root Business Entities/ Root Business Entities	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Usage/ Usage	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Usage/ Usage Spec	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Customer Domain		
Customer Bill/ Customer Bill	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Customer Bill/ Customer Billing Credit	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Customer Interaction	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

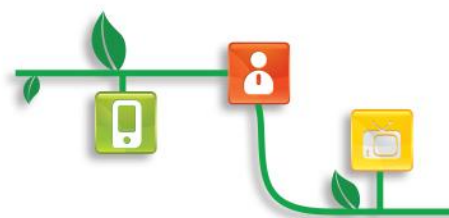|		
Customer Service Level Agreement	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Applied Customer Billing Rate	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Customer	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Customer Bill Collection/ Customer Payment	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Customer Order	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Domain		
Product/ Product	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product/ Product Price	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Offering/ Product Offering	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

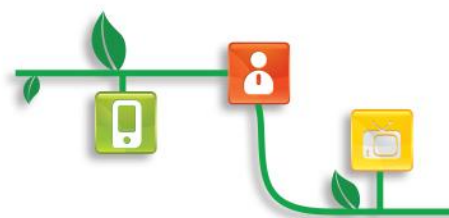|		
Product Offering/ Product Catalog	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Offering/ Product Offering Price	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Offering/ Product Offering Price Rule	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Usage/ Product Usage	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Product Usage/ Product Usage Spec	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Market/Sales Domain		
Competitor/ Competitor Product Correlation	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Marketing Campaign/ Marketing Campaign	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

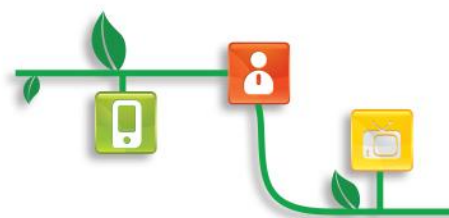|		
Competitor/ Competitor	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Competitor/ Competitor Intelligence	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Market Segment/ Market Segment	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Market Segment/ Market Statistic	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Marketing Campaign/ Media	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Domain		
Service/ Service	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ QoS Service/ QoS Service	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ Service Problem	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

Service Performance/ Service Level Spec	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ Service Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Usage	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ CustomerFacing Service/ CustomerFacing Service	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ CustomerFacing Service/ CustomerFacing Service Role	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ ResourceFacing Service/ ResourceFacing Service	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ ResourceFacing Service/ ResourceFacing Service Role	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service/ Service Order	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Performance/ Service Performance	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

Service Performance/ Service Performance Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ CustomerFacing ServiceSpec/ CustomerFacing ServiceSpec	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ CustomerFacing ServiceSpec/ CustomerFacing ServiceSpec Role	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ CustomerFacing ServiceSpec/ Service Package	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ ResourceFacing ServiceSpec/ ResourceFacing ServiceSpec	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ ResourceFacing ServiceSpec/ ResourceFacing ServiceSpec Role	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Service Specification/ ResourceFacing ServiceSpec/ Service Bundle	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Domain		
Resource/ Resource	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

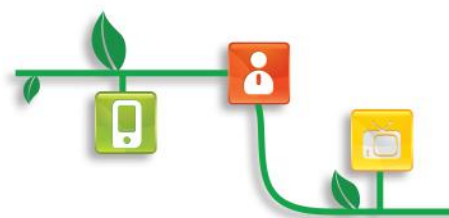|		
Resource/ CompoundResource	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ LogicalResource	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Device Interface/ Device Interface	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Protocol Service/ Protocol Service	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Equipment	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Performance/ Resource Performance	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Performance/ Resource Performance Specification	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Specification/ Resource Specification	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Specification/ Resource Catalog	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

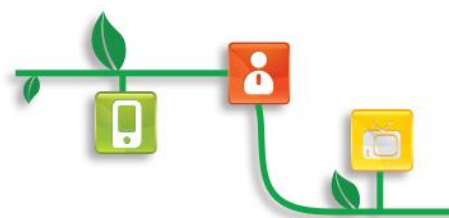|		
Resource Usage	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Address	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Logical Capacity	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Logical Device	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Logical Role	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Managed Transmission/ Managed Transmission	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Managed Transmission/ Termination Point	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Network	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Operating System	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

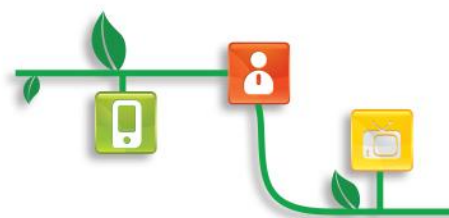|		
Resource/ LogicalResource/ Software	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ LogicalResource/ Statistics	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ PhysicalResource	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Auxiliary Component	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Equipment Holder/ EquipmentHolder	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Equipment Holder/ HolderAtomic	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Equipment Holder/ HolderComposite	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Hardware	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Physical Capacity	7.0	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

Resource/ PhysicalResource/ Physical Component	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Physical Device	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ PhysicalResource/ Physical Role	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource/ Resource Order	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Specification/ Compound Resource Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Specification/ LogicalResource Specification/ LogicalResource Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Specification/ LogicalResource Specification/ Logical Role Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.
Resource Specification/ PhysicalResource Specification/ PhysicalResource Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.

Resource Specification/ PhysicalResource Specification/ PhysicalRole Specification	**7.0**	Core entity, required attributes, dependent entities, required attributes of dependent entities, all attributes of the core entity, all attributes of dependent entities supported.