Next Generation Integration Scorecard
Ontology Functional Area

The Ontology Functional Area is used to define subject matter that can be related to other entities in a system. Ontologies are an alternative to tagging where structure, restricted vocabulary, or localization of topic names are desired.

Subject

Subjects are used to represent a topic and can be organized in a hierarchy to form an ontology.
Also known as: Concept, Tag, Classifier

❏ Read Operations for *Subjects:*   *Score*

❏ Get Subjects given unique Ids	
❏ Get all the Subjects in a system or Catalog	
❏ Query (Search) Subjects based on attribute-based query terms or keywords	
❏ Traverse Hierarchical relationships between Subjects	
❏ Register for notifications Subjects have been created, updated or deleted	

❏ Write Operations for *Subjects:*

❏ Create, Update and Delete Subjects	
❏ Manage Hierarchical relationships between Subjects	
❏ Add an alias Id to reference an existing Subject	
❏ Organize Subjects into Ontologies	

Minimally Supported Attributes of *Subjects:*

● A unique and permanent identifier
● The name of the Subject
● A description of the Subject

● The type of the Subject

Relevancy

Subjects are related to reference entities through Relevancies
Also known as:

❏ Read Operations for *Relevancies:*   *Score*

❏ Get Relevancies given unique Ids	
❏ Get all the Relevancies in a system or Ontology	
❏ Get Relevancies for Subjects	
❏ Get Relevancies for mapped entities	
❏ Query (Search) Relevancies based on attribute-based query terms or keywords	
❏ Register for notifications that Relevancies have been created or updated	

❏ Write Operations for *Relevancies:*

❏ Create Relevancy between a Subject and a mapped entity	
❏ Update and Delete Relevancies	
❏ Add an alias Id to reference an existing Relevancy	
❏ Organize Relevancies into Ontologies	

Minimally Supported Attributes of *Relevancies:*

● A unique and permanent identifier
● The name of the Relevancy
● A description of the Relevancy
● The type of the Relevancy: very, somewhat, not at all
● The Subject associated with this Relevancy
● The mapped entity associated with this Relevancy
● The effective date range of this Relevancy
● The reason this Relevancy relationship ended, if applicable

Ontology

A directory or other kind of organizational construct for managing Ontology related entities. Such a grouping serves to separate Subjects managed by different organizations or around different topic areas, and to scope searches.

Also known as: Taxonomy, Catalog

❏ Read Operations for *Ontologies:*   *Score*

❏ Get Ontologies given unique Ids	
❏ Get all the Ontologies in a system or Ontology	
❏ Query (Search) Ontologies based on attribute-based query terms or keywords	
❏ Traverse Hierarchical relationships between Ontologies	
❏ Register for notifications Ontologies have been created, updated or deleted	
❏ Register for notifications that hierarchical relationships between Ontologies have been created, updated or deleted	

❏ Write Operations for *Ontologies:*

❏ Create, Update and Delete Ontologies	
❏ Add an alias Id to reference an existing Ontology	
❏ Manage Hierarchical relationships between Ontologies	
❏ Manage Id to Ontology mappings. Arbitrary Ids may be used to offer a restricted ontology to allow an arbitrary Id to be used in discovering Subjects or traversing Subject hierarchies	

Minimally Supported Attributes of *Ontologies:*

● A unique and permanent identifier
● The name of the Ontology
● A description of the Ontology
● The type of the Ontology
● The provider of this Ontology
● Any available branding for this Ontology, for example, an organizational logo
● Any licensing (terms of usage) associated with this Ontology