

Whitemarsh
Information Systems Corporation

Whitemarsh Metabase Governance Users Guide

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1.0 Introduction

The purpose of the Metabase System functional module, Governance, is to provide:

- Identification and description of Governance .
- Identification and description of Governance subsections
- Interrelationships between Mission-Organization-Function-Position-Person and Governance assignments
- Interrelationships between Metabase work products and Governance assignments
- Prototypical creation of Project Management's Project, Deliverable, and Tasks metabase work products associated with Governance.

Governance represents the creation, assignment, and reporting of the integrity and correctness accountability of various metabase system database work products to specific persons who are accomplishing certain functions from within organizations in the accomplishment of enterprise missions. Governance assignments are dated. That is, there is a start data for the assignment, and an open end date until that person's governance assignment is completed.

The overall functional domain of the Metabase System depicted in Figure 1. The business questions addressed by the Metabase System, by Metabase System Functional Model are set out in Table 1.

While the creation of a governance assignment is accomplished from within the Metabase System's module, Governance, these

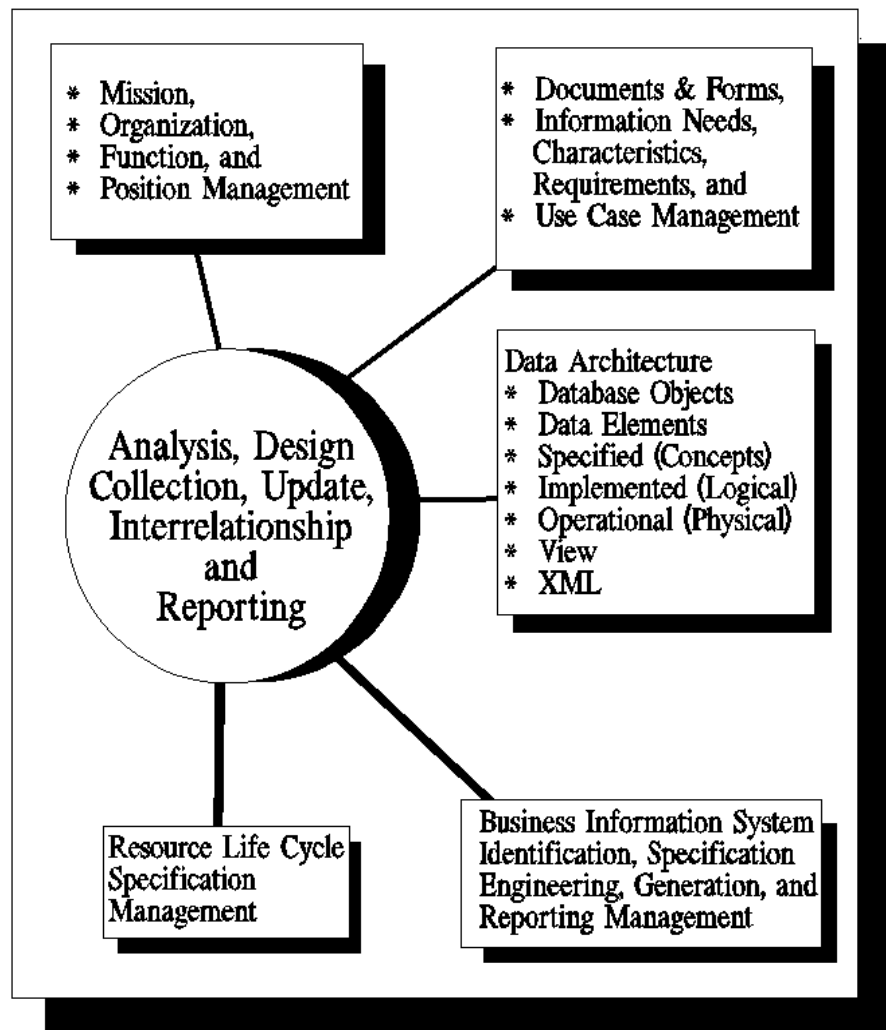


Figure 1. Metabase System Functional Domain.



assignments are an integral part of the Deliverable Template instances that operate within the Metabase System's Project Management Module. If a governance assignment is changed, it is best accomplished as a direct consequence of a Governance Project Template's accomplishment, Manage Governance. As the Governance Project Template's, Manage Governance is accomplished, its appropriately assigned Governance deliverables and tasks then call for the termination of one governance assignment record and the creation of a new one.

Business Questions Addressed by the Metabase Modules
Business Event Management: <i>What are the business events, where are they, how are they related to both the overall business's process model and calendar models, and then how are these events related to 1) mission, organization, function, 2) business information systems, 3) business event cycles, and 4) calendar cycles. What is the impact on these business events when policy (a.k.a., data) is required or changed.</i>
Business Information Systems: <i>What are the business information systems, where are they, how are they related to mission, organization, function, and databases. What is the impact on these business information systems when policy (a.k.a., data) is required or changed.</i>
Data Element Model: <i>What are the context independent business facts and their specifications that can be deployed to fully define the semantics that define these business facts, or that form the basis for these business facts as they are refined through the allocation of semantic and data use modifiers. Where are these data element semantics deployed throughout the various data models whose facts (attributes, columns, DBMS columns, and View columns are based on these facts.</i>
Data Integrity Rule Specification and Binding: <i>What are the rules that govern the integrity of data that is specified across all the deployed uses of that data. How are these rules defined and where are they bound such they are defined once and bound where appropriate? What are the processes and how are these processes executed that ensure data integrity during all data object operations?</i>
Database Objects: <i>What are the major data-based object classes and objects that form enterprise databases. What are the state-based process life cycles for these data-based object classes? What are the database record (i.e., table-based) processes that control the fundamental integrity of individual database records. What are the data-based object class business information systems that transform database objects from one predefined value-state to another?</i>
Document and Form: <i>What documents and forms provide critical information about the enterprise? How are those documents and forms interrelated one with the other? How are these materials subdivided and then properly related to specific functions performed by organizations in the accomplishment of missions? How are these able to be related to certain View columns?</i>
Enterprise Architecture Management: <i>What are the five distinct architectures that comprise the over set within the enterprise, and how are these architectures intersected and mapped to the Knowledge Worker Framework in support of projects that contribute to the build rationale and sequence of an overall Information Systems Plan?</i>
Functions: <i>What are the human-based processes performed by groups in their achievement the various missions of the enterprise from within different enterprise organizations? What human processes are common across and within organizations, business events and by indirection, business information systems and databases?</i>
Implemented Data Model: <i>What are the database models that are able to be employed as the basis of operational databases that can be employed by business information systems? What are the database implementations of data-based concepts contained in the specified data models? What are the various columns, including value domains, data integrity processes, and data types that are an implementation of various data elements and/or attributes from specified data models that defined concepts?</i>



Business Questions Addressed by the Metabase Modules
Information Needs Analysis: <i>What information (a.k.a. query results or reports) is needed by various organizations in their functional accomplishment of missions and what databases and information systems provide this information?</i>
Missions: <i>What are the essential missions that define the very existence of the enterprise, and that are the ultimate goals and objectives that measure enterprise accomplishment from within different business functions and organizations?</i>
Operational Data Model: <i>What are the actual databases and models that are employed by business information systems? What are the databases and models that operationally specify data-based specifications from DBMS independent database models? What are the various DBMS columns, including value domains, data integrity processes, and data types that are an implementation of various data elements and/or attributes from specified data models that defined concepts?</i>
Organizations: <i>Which organizations are accomplishing what aspects of missions with what databases, information systems and through which functions?</i>
Project Management. <i>What are the various knowledge worker projects that address one or more collections of activities that create an IT work product that supports the enterprise? What are the detailed deliverables, collections of tasks, assigned staff, work accomplishment resources, and work environment factors that affect the accomplishment of project work. What are all the different projects by IT work product.</i>
Reports. <i>What are the specifications of the reports that are to be generated by business information systems and/or DBMS ad hoc query language or package report writers. What are the various view columns or directly connected database columns involved in the database?</i>
Requirements: <i>What are the requirements that in total support the development of key enterprise database components? How these requirements are interrelated, subdivided, and then related to the various metadata components that are “required” as a consequence? How can the complete set of effects can be known and interrelated?</i>
Resource Life Cycles: <i>What are the key Resources (facilities, materiel, staff, etc.)?How are they sequenced, interrelated, and how are they supported through databases and information systems?</i>
Specified Model: <i>What are the data model specifications that represent concepts that are to be included in database models? What are the data elements that are represented as subject-entity-attributes across the specified concept data models? What are the various attribute-bound value domains, data integrity processes, and data types that are an implementation of various data elements?</i>
Use Cases: <i>What are the detailed business process scenarios required to accomplish the necessary work of the enterprise? What are the interrelationships among use cases? How are the use cases subdivided into certain events? What are the pre-, post-, and special-conditions of these use cases? What are the business facts that are read, selected, updated, and reported within use cases? What are the relationships between use case facts and database view columns?</i>
User Acceptance Tests: <i>What are the requirements-based accepted tests deemed appropriate and necessary to determine the adequacy of a business information system before it is released? What are the requirements that are being validated as being completed? What are the business information system components that are being tested?</i>



Business Questions Addressed by the Metabase Modules
View Model: <i>What are the data interface specifications between databases and business information systems? What are the various business information systems that are supported by specific databases? What are the various databases that are accessed by business information systems. What are the data-based mappings between views that support database interoperability? What are the data-based processes that transform data via one view to the data specifications of a different view?</i>
Wire Frames: <i>What are the end-user graphical user interface specifications that enable end-users to interact with business information systems for data entry, formatted reports, ad hoc reporting, and for navigating through defined features of the business information systems? What are the various screens that are affected by specific view-column database interfaces with business information systems? What are the various processes that affect either the data presented through the wire frames or are stored in the databases? What are the various controls and invoked processes evident through the wire frames?</i>

Table 1. Business Questions Addressed by Metabase System Functional Modules.

Presumed Knowledge

This user guide, and all the other metabase user guides presume that the reader has read and is completely familiar with the following documents: Metabase Common Processes, and Metabase Bill of Materials and Single File Recursion (BOM/SFR Guide). These two documents serve as metabase teaching guides for processes that commonly occur throughout the metabase system.

F7 invokes automatic spell checking on all text fields like names and descriptions.



Metabase Example

The metabase example, Movies, is a complete example of a business which is available from the Whitemarsh website. The Movies Rental Corporation was modeled after the largest movies rental corporation in the United States. As such, the example has national, regional, and retail outlets. There are two data models, one for an original data capture, store based system, and another which is a data warehouse for rented movies.

2.0 Software Installation

Metabase installation is explained in the Metabase Administrators Guide.

3.0 Database Design

The Governance data is indirectly represented in Figure 2. The unshaded meta entities, shown in Figure 2, for example, Business Events, actually represent Metabase System functional modules and are actually divided into subordinate governance intersection tables server to record the actual Governance assignments.

The shaded entities are actual and are read-only within this module. They are created/updated in the Mission Organization Function Position Person module.

The assignment of governance to each of these tables is accomplished by creating and assignment table instance. An example for Business Event is:

Mission-Organization-Function-Position-Person-Business Event.

The physical table name for this assignment is: MisOrgFctPosPerBEBusinessEvent. The automatically generated Governance Assignment Name for each assignment table is:

<PersonFirstName> <PersonLastName> “the” <Position> “within” <Mission> <Organization> <Function> governs <Business Event Name>

For example, <Robert> <Seiner> the <Data Architect> within <Finance Management> <Finance Department> governs <Invoice Generation>

This pattern of Governance Assignment Name applies to all 46 Governance assignment tables. A similar governance description is also generated.

3.1 Governed Work Product Definitions and Metabase System Modules

Governance is able to be assigned to the following 46 Metabase System work products set out in Table 2.



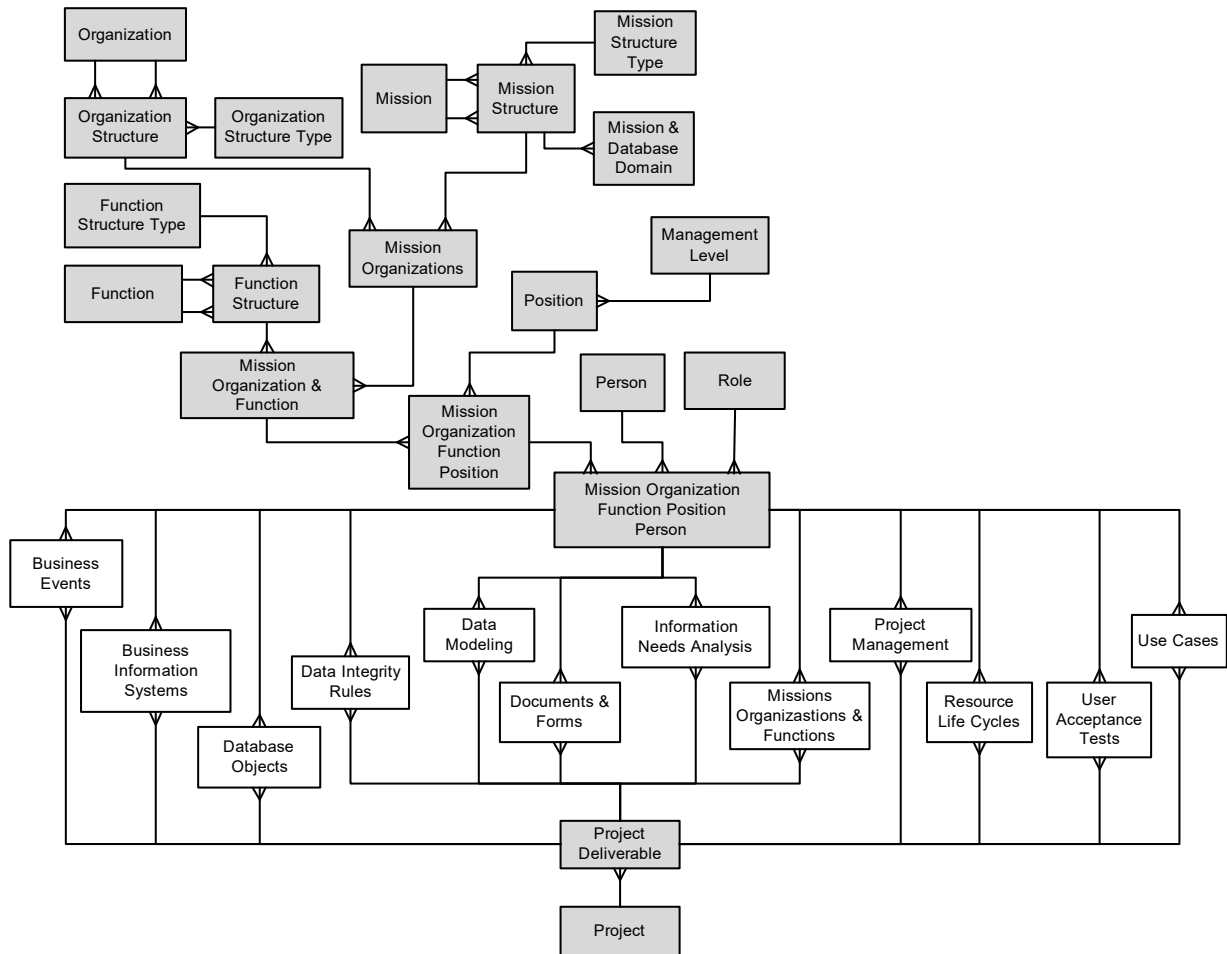


Figure 2. Meta Model for Governance.

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Business Event	Business Event	A business event is an intersection between a business information system and a business function. A business event is a triggering event. It is invoked by the business function and the business information systems executes in response. Business events may be set within business event cycles and calendar cycles, or both.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Business Information Systems	Business Information System	A Business Information System is a computer based information system that is being managed through the metabase. It is know by its characteristics, its operation cycles (business event and calendar), subordinate business information systems, employed databases, views, and associated resource life cycle nodes.
Business Cycle	Business Event	A Business Event Cycle is a cycle during which business events occur such as financial reports, holidays, business planning and the like. A business event cycle may be simple or complex. If complex then the business event cycle actually consists of other business event cycles as represented in the business event cycle structure.
Calendar Cycle	Business Event	A Calendar Cycle is a set of recurring calendar based dates that are of interest to the enterprise. For example, quarterly, bi-weekly, monthly, daily, and the like. Calender cycles are linked to Business Events so that the timing of business event triggering can be know.
Concepts	Data Element	Concepts represent the sets of ideas, abstractions, or things in the real world that are identified with explicit boundaries and meaning and whose properties and behavior follow the same rules. Concepts are used as a basis for specifying the concepts of data elements.
Conceptual Value Domains	Data Element	Conceptual Value Domains represent the collection of concepts supporting value domains sets from which all value domains. A conceptual value domain forms a basis for a data element concept.
Database Architecture	Operational Database	Database Architecture Class is a characterization of a database. That is, original data collection, transaction data staging area (TDSA), subject area database, data warehouse (wholesale or retail), or reference data. An explanation of these database architecture classes is presented in a paper named, Data Architectures, that is on the Whitemarsh website.
Data Elements	Data Element	Data Elements are context independent business fact templates. The complete set of semantics for a data element are those explicitly assigned, that is, meta category values, data element concepts, data element classifications, and business domains. It's inherited semantics include those assigned to its containing data element concept and value domains. The value domains of the data element are specifically assigned.
Data Integrity Rule Not Developed as of Version 7.7	Data Integrity Rules	A Data Integrity Rule is a statement that must test true when no database updating is taking place. A data integrity rule may relate to columns within the same or different tables. A data integrity rule may also state a condition that must be true in a row instance before an action can take place, for example, all columns must be valued before the row is accepted into the database.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Data Element Concepts	Data Element	Data Element Concepts represent the underlying concepts that support understanding the data element. A data element concept is the association of a concept and conceptual value domain.
Data Types	Data Element	A Database Type is a classification of a style of database design. This is also called data architecture class and will be replaced with that meta-entity. The most common data architecture classes are original data capture, transaction data staging area, reference data, wholesale data warehouses and retail data warehouses (also called data marts).
Database Objects	Database Objects	A database object is a large collection of data and processes that are tied together for business-based reasons, and when instantiated, proceeds through well defined states. A database object can exist in two forms: a collection of interrelated database tables, or the set of a column-based nested structures within a table. The rows that comprise an object are transformed from one valid state to another via database object table processes and database object information systems. Database objects are related to one or more database domains.
Database Object Information Systems	Database Objects	A Database Object Information System is a collection of processes defined within the domain of the DBMS usually as a stored procedure that transforms one or more rows of a database object from one valid state to another. A database object information system accomplishes one or more database object table processes.
Database Object Primitive Data Transformations	Database Objects	A Database Object Primitive Data Transformation is a process such as insert, change, or delete that occurs against one row of a single table within a database object. A table owns (and is thus acted upon by) one or more database object table processes. A database object table process may be invoked by one or more database object information systems.
Database Object States	Database Objects	A Database Object State is a well defined value state of a database object. States occur in a particular sequence, typically from the null state through a set of value states and returning to a null state. A database object state is accomplished through one or more database object information systems.
Databases	Operation Data Model	A Database is named collection of DBMS tables within the structure of a DBMS schema. A well designed database presents a unified set of policy evidenced through the rows of data within a specific subject area.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
DBMS Schemas	Operation Data Model	DBMS Schema. represent a database structure of DBMS tables and relationships within the enterprise. Operational data models data models are cast within the domain of a DBMS schema. The set of all DBMS tables within a DBMS schema is not required to be taken from a single set of entities within a subject area.
DBMS	Operation Data Model	DBMS a software system that defines, creates, accesses and maintains databases.
Deliverable Templates	Project Management	A deliverable template represents a collection of deliverables within an overall class of deliverables set out in a deliverable template type. A deliverable is what is identified within a project that is to be accomplished during the execution of a project. Deliverable templates can be hierarchical collection of a set of subordinate deliverables.
Documents	Documents & Forms	A Document is a complex collection of business data that is usually published by some enterprise, e.g., a survey, or report of the U.S. Bureau of Census important to the enterprise. A document is typically decomposed and some aspect of that division is input into the database application. The analysis of a document produces a mapping between the cells of data on the document and the view columns that represent those cells to the database application.
Forms	Documents & Forms	A Form is an organized set of business data that is input to the database application. The analysis of the form produces a mapping between the cells of data on the form and the external view columns that represent those cells to the database application.
Functions	Mission Organization Function Position Person Assignment	A Function within the Whitemarsh context is a set of activities performed by persons. The Whitemarsh relationship is that mission-organizations perform functions. Additionally, the same function may be performed by different mission-organization. Thus, there is a many-to-many relationship between mission-organization and function.
[Information Need] Characteristics	Information Needs Analysis	An [Information Need] Characteristic is an [information need] collection of properties of an information need type that can be assigned to an information need. For example, if the characteristic type is media of production, the probable set of characteristics might be hard-copy or on-line access.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Information Needs	Information Needs Analysis	An information need is just what its name implies, a need for information. It should however be formal enough to represent some significant IT assets such as a quarterly financial report, the current state of inventory, an order, and the like. Information needs are created through analysis and are characterized. Information needs are ultimately allocated to Resource Life Cycle Nodes. That is, a database and or an information system is required by a resource life cycle node to produce an information need that in turn fulfills the need of some functional area of an organization that is accomplishing a mission of the enterprise. Information needs are both typed and characterized.
Meta Category Value Types	Data Element	Meta Category Value Type are collections of categories within which meta category values reside. Meta Category Values are the individual semantics that are assigned to data elements in support of the complete specification of the data element. Meta category values are in turn collections within meta category value types. Meta category value collections can be hierarchically organized. The specifically assigned meta category value becomes an explicit part of a data element's name.
Mission Organizations	Mission Organization Function Position Person Assignment	A Mission-Organization is the association of an organization with a mission. There can be multiple organizations associated with a mission and an organization can be associated with multiple missions. The description contained within the Mission-Organization may be more refined than the description contained in either the mission or the organization.
Mission Organization Functions	Mission Organization Function Position Person Assignment	A Mission-Organization-Function is the association of a mission-organization with a function. A mission-organization can be associated with multiple functions and a function can be associated with multiple mission-organizations. One or more mission-organization-functions may be associated with a business information system. When they are, business events are created. This process is accomplished within the Business Information Systems module.
Missions	Mission Organization Function Position Person Assignment	Missions are hierarchically organized textual descriptions that define the very existence of the enterprise, and that are the ultimate goals and objectives that measure enterprise accomplishment from within different business functions and organizations. An enterprise is incomplete if one of its missions is not defined. Not all enterprise accomplish their missions simultaneously or in their ideal state. Missions are accomplished over time and are subject to revisions.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Organizations	Mission Organization Function Position Person Assignment	An Organization is a unit within an enterprise. It is hierarchically so any quantity of organizational levels can be represented.
Person	Mission Organization Function Position Person Assignment	A Person is someone of interest to this metabase module.
Positions	Mission Organization Function Position Person Assignment	A named and defined collection of work tasks that can be performed by or more persons. Positions are often assigned to one or more organizations.
Project Templates	Project Template	A project template represents a collection of projects within an overall class of projects set out in a project template type. Project templates can be hierarchical collection of a set of subordinate projects.
Resources	Resource Life Cycle Analysis	A Resource is an enduring asset of value to the enterprise. Included for example are facilities, assets, staffs, money, even abstract concepts like reputation. If a resource is missing then the enterprise is incomplete.
Schemas	Implemented Data Model	Schemas represent a database structure of tables and relationships within the enterprise. Implemented data models data models are cast within the domain of a schema. The set of all tables within a schema is not required to be taken from a single set of entities within a subject area.
Skills	Project Management	A skill is a capability that can be possessed by a person according to a certain proficiency that can be assigned to a project deliverable.
Subjects	Specified Data Model	Subjects represent a cohesive area of discipline within the enterprise. Subjects can be hierarchical and likely match the essential resources of the business. Specified data models are cast within the domain of a subject area.
Task Templates	Project Management	A task template represents a collection of tasks within an overall class of tasks set out in a task template type. Task templates can be hierarchical collection of a set of subordinate tasks.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Use Case Actors	Use Case Analysis	A Use Case Actor is a person who occupies a position in the performance of a function within an organization in support of a mission. Use Case Actors perform certain roles with respect to accomplishing use case event. For example, the actor might be the Accounts Receivables person who receives and determines the acceptability of the payment.
Use Case Events	Use Case Analysis	A Use Case Event is a component or discrete step of a use case that is to be performed within the overall use case. Use case events can be hierarchical. Use case events can be assigned use case event actors, use case facts, business information systems that ultimately perform the use case event, and allocated to one or more mission organization functions. For example an use case event might be to query the database to ensure that the payment received on an order for a customer in fact matches and existing customer.
Use Cases	Use Case Analysis	A Use Case is the identified, named, and described collection of interactions between a business information system module and an external agent such as a person or a component of a business information system. Use cases can be interrelated within network structures, contain pre-, post-, and special-conditions, have use case events, are related to mission-organization-functions, business information systems, and can include use case facts. Use case facts are, in turn, related to database table columns. Use Case Events are related to Use Case Actors as they perform certain Use Case Event roles.
User Acceptance Tests	Use Case Analysis	A User Acceptance test is the specification of a set of processes with relationships to user cases and database columns that enable the determination that a use case has been acceptably implemented within a business information system and that data, as represented by a view column, which is related to a database column is properly involved.
Value Domains	Data Elements	Value Domains are the included, excluded, discrete or range sets of values that are allowed within the overall context of the value meanings specified within conceptual value domains. Value domains are then either used by data elements or subsets are employed by attributes of entities, columns of tables, or DBMS columns of DBMS tables.
View Data Models	Views	A View is the specification of the interface between a business information system and database. Views include view columns, relationships between view columns and DBMS columns, processes that may be involved in the computation or creation of values presented to the business information system.



Figure 2. Meta Model for Governance.*Whitemarsh Metabase: Governance Users Guide*

Database Tables (Work Products) Subject to Governance		
Governance Work Product	Metabase System Module	Description
Work Environment Factors	Project Management	A work environment factor is a condition within a work environment that is assessed and represented as a multiplier that is assigned to a project deliverable as a project deliverable work environment factor.

Table 2. Metabase Tables (Knowledge Worker Work Products) Subject to Governance.

3.2 Governance Work Product Interrelationships

Some of the Metabase System work products are governed in collections based on parent-child relationships, and others have their governance influenced by the governance on other work products.

An example of Parent-child governance is Business Events. The governance effort for a specific business event not only affects its scope and intent, but also all the intersections the specific given business event has with other business events that exist within the business event's network.

An example of Influence governance is Business Information Systems. The governance specification for a specific business information system can be influenced by the governance defined for a specific business event. If the scope of a business event is narrow, then the business information system created to address that scope. Conversely, if the business event scope is wide, then the business information system's scope has to be correspondingly as wide.

Some work products have an even more complex governance. For example, for Business Events, its parent-child governance involves: Business Event, Business Event Structure, and Business Event Structure Type. Its influence governance involves its intersection with business event cycles, calendar cycles, business information systems, and mission-organization-functions.

Ultimately what all this means is that when a governance effort is undertaken, all the assigned persons for the governance of a specific work product as well as the persons assigned to influence-governance work products need to come to a consensus on the correctness and integrity of the given work product. Yes, that makes these efforts more difficult, but such is the nature of the enterprise, its data, databases and business information systems.

Table 2 identifies, by governed work product, the work products involved in parent-child governance and also influence-governed work products.



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Business Information Systems	Business Information Systems	<ul style="list-style-type: none"> Resource Life Cycle Node Business Information System Assignment Business Event Business Information Systems Business Information System Database Object Information System Assignment Business Information Systems & Views 	<ul style="list-style-type: none"> Level Construction Method Status Application Type Programming Language Environment Type Predominant User Class DBMS Environment
Business Event	Business Event	<ul style="list-style-type: none"> Business Event Information Systems Business Event Mission Organization Functions Business Event Business Event Cycle Business Event Calendar Cycle 	<ul style="list-style-type: none"> Business Event Cycle [Business Event] Calendar Cycle Mission Organization Function Business Information System
Business Event	Business [Event] Cycle	Business Event Cycle Structure	Business Event Structure Type
Business Event	Calendar Cycle	[Business] Calendar Cycle Structure	[Business] Calendar Cycle Structure Type
Data Elements	Concepts	<ul style="list-style-type: none"> Concept Structure Data Element Concept 	Concept Structure Type
Data Elements	Conceptual Value Domains	<ul style="list-style-type: none"> Concept Structure Conceptual Value Domain Structure Value Domain Data Element Concept 	Conceptual Value Domain Structure Type
Data Elements	Data Element Concepts	<ul style="list-style-type: none"> Data Element Concept Structure Concept Structure Conceptual Value Domain Structure Data Element Concept Meta Category Value 	Data Element Concept Structure Type



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Data Elements	Data Elements	<ul style="list-style-type: none"> • Data Element Concept • Value Domain • Data Element Meta Category Value • Business Domain • Derived Data & Data Element • Compound Data & Data Element • Data Element & Data Element Classification 	<ul style="list-style-type: none"> • Compound Data Element Structure • Compound Data Element Structure Type • Derived Data Element Structure • Derived Data Element Structure Type • Data Element Classification • Data Element Classification Structure Type
Data Elements	Data Types (actually Value Domain Data Type)	Value Domain Data Type	SQL Data Type DBMS Data Type
Data Elements	Meta Category Value Types	<ul style="list-style-type: none"> • Meta Category Value Type Classification • Meta Category Value 	<ul style="list-style-type: none"> • Meta Category Value Data Element Concept • Meta Category Value Data Element • Meta Category Value Attribute • Meta Category Value Column
Data Elements	Value Domains	<ul style="list-style-type: none"> • Value Domain Structure • Conceptual Value Domain Structure • Value Domain Values • [Entity] Attributes • [Table] Columns • [DBMS Table] Columns 	<ul style="list-style-type: none"> • Value Domain Structure Type • Conceptual Value Domain
Data Integrity Rule	Data Integrity Rule	Not Developed as of Version 7.7	Not Developed as of Version 7.7
Database Objects	Database Object Information Systems	<ul style="list-style-type: none"> • Database Objects • Database Object Information System & Database Object State 	Database Object State
Database Objects	Database Object Primitive Data Transformations	<ul style="list-style-type: none"> • Database Object Process Column • Database Object Table • Database Object Information System & Database Object Process 	



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Database Objects	Database Object States	<ul style="list-style-type: none"> Database Object Database Object State & Database Object Information System 	
Database Objects	Database Objects	<ul style="list-style-type: none"> Database Domain & Database Object Database Object Table Database Object State Database Object Information System Database Object Primitive Data Transformation 	<ul style="list-style-type: none"> Database Domain Membership Rationale Database Object Process Columns Database Object State & Database Object Information System Database Object Information System & Database Object Process
Documents & Forms	Document	<ul style="list-style-type: none"> Document Structure Document Section 	<ul style="list-style-type: none"> Document Structure Type Document Cell Document Cell & View Column Mission Organization Function & Document Section
Documents & Forms	Form	<ul style="list-style-type: none"> Form Structure Form Section 	<ul style="list-style-type: none"> Form Structure Type Form Cell Form Cell & View Column Mission Organization Function & Form Section
Implemented Data Model	Schemas	Table	<ul style="list-style-type: none"> Column Table Primary Key Table Primary Key Column Table Candidate Key Table Candidate Key Column Table Foreign Key Table Foreign Key Column SQL Data Type Value Domain Structure Column Meta Category Value [Entity] Attribute
Information Needs Analysis	Information Needs	<ul style="list-style-type: none"> Information Need Type Mission Organization Function Information Need Information Need Characteristic Assignment Resource Life Cycle Node Information Need Assignment 	<ul style="list-style-type: none"> Ranking Characteristic Characteristic Type



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Information Needs Analysis	[Information Need] Characteristics	<ul style="list-style-type: none"> • Characteristic Type • Information Need Characteristic Assignment 	<ul style="list-style-type: none"> • Information Need Type • Information Need • Ranking • Mission Organization Function Information Need
Mission Organization Function Position Person	Functions	<ul style="list-style-type: none"> • Function Structure • Mission Organization Function 	Function Structure Type
Mission Organization Function Position Person	Mission Organizations	<ul style="list-style-type: none"> • Mission Structure • Function Structure 	
Mission Organization Function Position Person	Mission Organization Functions	<ul style="list-style-type: none"> • Mission Organization • Function Structure • Business Event • Mission Organization Function Position • Requirements Mission Organization Function • Project Deliverable Mission Organization Function • Form Section Mission Organization Function • Business Event Mission Organization Function • Use Case Event Mission Organization Function 	<ul style="list-style-type: none"> • Missions • Organizations • Functions • Project Deliverable • Business Event • Requirements • Form • Document • Use Case
Mission Organization Function Position Person	Missions	<ul style="list-style-type: none"> • Mission Structure • Mission Organizations 	Mission Structure Type
Mission Organization Function Position Person	Organizations	<ul style="list-style-type: none"> • Organization Structure • Mission Organizations 	Organizations Structure Type



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Mission Organization Function Position Person	Person	<ul style="list-style-type: none"> Mission Organization Function Position Person 	Mission Organization Function Position
Mission Organization Function Position Person	Positions	<ul style="list-style-type: none"> Management Level Position Mission Organization Function Position 	Role
Operational Data Model	Database Architecture	Database	<ul style="list-style-type: none"> Database Production Status Database Nature Database DBMS Schema DBMS
Operational Data Model	Databases	<ul style="list-style-type: none"> Database Production Status Database Architecture Class Database Nature DBMS Schema 	<ul style="list-style-type: none"> DBSM DBMS Table
Operational Data Model	DBMS	<ul style="list-style-type: none"> DBMS Schema DBMS Data Type 	DBMS Data Type Picture
Operational Data Model	DBMS Schemas	<ul style="list-style-type: none"> Database DBMS Table 	<ul style="list-style-type: none"> DBMS Column DBMS Table Primary Key DBMS Table Primary Key Column DBMS Table Candidate Key DBMS Table Candidate Key Column DBMS Table Foreign Key DBMS Table Foreign Key Column DBMS Data Type Value Domain Structure [Table] Column
Project Management	Deliverable Templates	<ul style="list-style-type: none"> Deliverable Template Type Deliverable Template Type & Task Template Deliverable Template Type & Project Template 	Project Deliverable



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Project Management	Project Templates	<ul style="list-style-type: none"> • Project Template Type • Project Template Type & Project Template 	<ul style="list-style-type: none"> • Resource Life Cycle Node Project • Resource Life Cycle Node Project • Project • Project Deliverable • Project Deliverable Person Skill Level • Project Deliverable & Deliverable Template Task Template • Project Task • Status Type • Role Type • Base Line Type • Base Line • Base Line Project • Base Line Project & Project Deliverable • Base Line Project & Work Environment Factors • Base Line Project & Project Deliverable Person Skill Level
Project Management	Skills	Skill Level	Skill Level Type Person Skill Level
Project Management	Task Templates	<ul style="list-style-type: none"> • Task Template Type • Deliverable Template Type & Task Template 	
Project Management	Work Environment Factors	<ul style="list-style-type: none"> • Work Environment Factor Type • Work Environment Factor Multiplier 	<ul style="list-style-type: none"> • Work Environment Factor Multiplier Type • Project Deliverable Work Environment Factor
Resource Life Cycle Analysis	Resources	<ul style="list-style-type: none"> • Resource Type • Resource Life Cycle Node • Mission Resources 	<ul style="list-style-type: none"> • Resource Life Cycle Node Structure • Resource Life Cycle Node Structure Type • Resource Life Cycle Node & Information Need Assignment • Resource Life Cycle Node & Database Object • Resource Life Cycle Node & Business Information System



Governance Work Product Interrelationships			
Metabase Module	Governed Work Product	Parent-Child Work Products	Influence Work Products
Specified Data Model	Subjects	Entity	<ul style="list-style-type: none"> • Attribute • Element • Entity Primary Key • Entity Primary Key Column • Entity Candidate Key • Entity Candidate Key Column • Entity Foreign Key • Entity Foreign Key Column • Subject • Value Domain Structure • Attribute Meta Category Value • [Table] Column
Use Cases	Use Cases	<ul style="list-style-type: none"> • Use Case Structure • Use Case Pre-Conditions • Use Case Post-Conditions • Use Case Special Conditions • Use Case Event • Use Case & Use Case Facts 	Use Case Structure Type Use Case Facts & Use Case Pre-Conditions Use Case Facts & Use Case Post-Conditions Use Case Facts & Use Case Events Use Case Facts Use Case Facts & Columns
Use Cases	Use Case Actors	<ul style="list-style-type: none"> • Mission Organization • Function Position Person • Use Case Event Actors 	Use Case Actor Roles
Use Cases	Use Case Events	<ul style="list-style-type: none"> • Use Case Facts & Use Case Events • Use Case Event & Business Information System • Use Case Event Actors • Use Case Events & Mission Organization Function 	<ul style="list-style-type: none"> • Use Case Actors • Use Case Actor Role
User Acceptance Tests	User Acceptance Tests	Not Developed as of Version 7.7	Not Developed as of Version 7.7
Views	View Data Models	View Column Business Information System View	

Table 3. Governance Work Product Interrelationships.

4 Operation



Once the application is installed it is ready to use. Just invoke the software from the metabase program. The application is a traditional windows application. Metabase reports are accomplished through any ODBC class report writer such as Crystal Reports.

4.1 Log In Process

Figure 3 shows the log-in screen that appears immediately after the application is started. Choose the specific DBMS that is to be accessed and then press the Close button.

Figure 4 shows the screen that appears after the DBMS is chosen. Enter your user name and your password. These are created by the Metabase Administrator through the metabase administration module. Please contact your metabase administrator to set up your user name and password. Once a user name and password is established, all the user's information can be changed by the user through a restricted use version of the administrator software. Once the send button is pressed the specific metabase database instances that can be accessed by the user is presented. The metabase is such that users are allowed to use specific metabase instances and specific metabase modules.



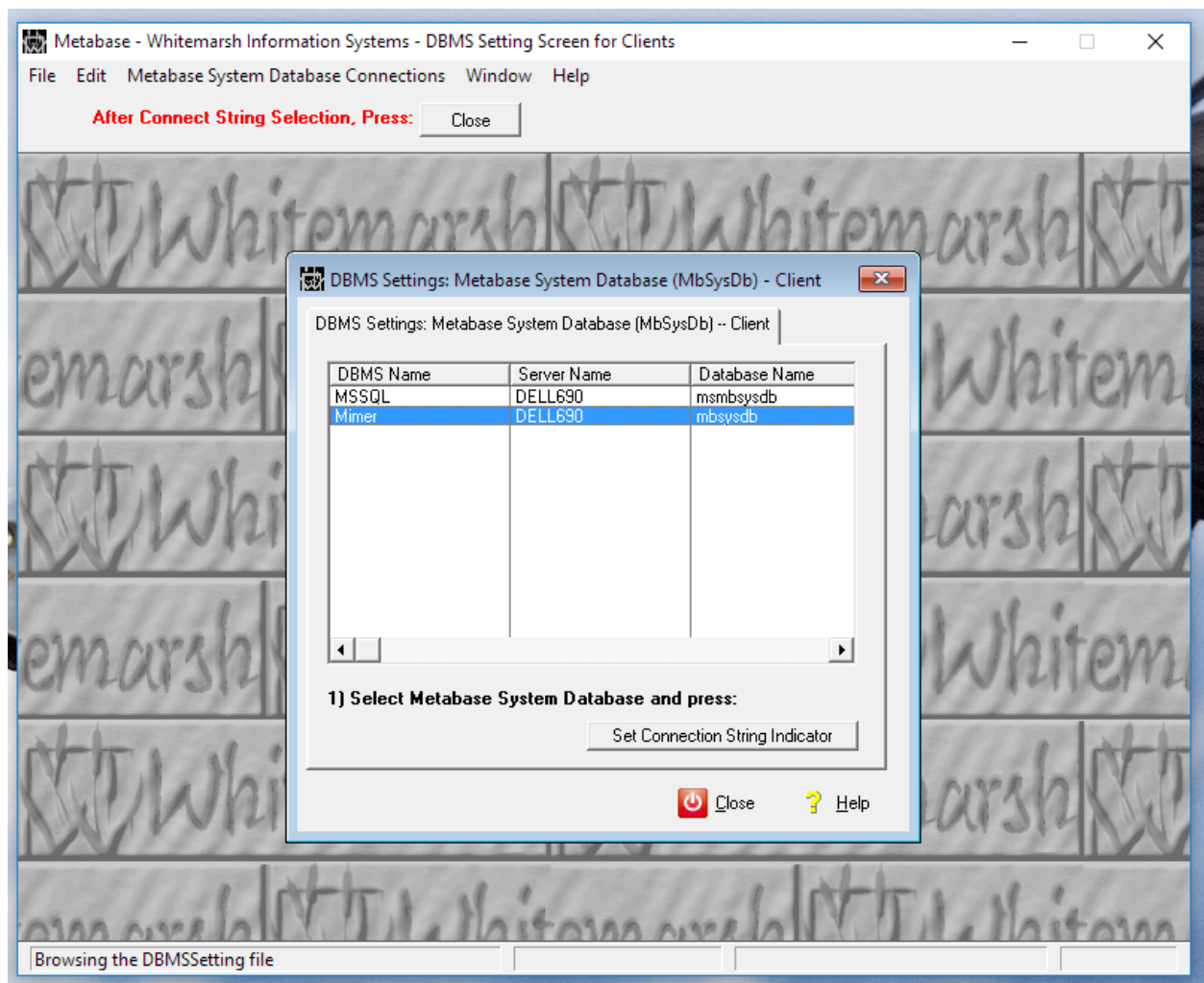


Figure 3. DBMS Selection screen.

In this particular example, the user, once they sent their user name and password are shown the metabase database that they can access, that is, Movies. Highlight the choice and press the Select button. Once that is done then the metabase name, Movies, is shown as the data set that is being accessed.



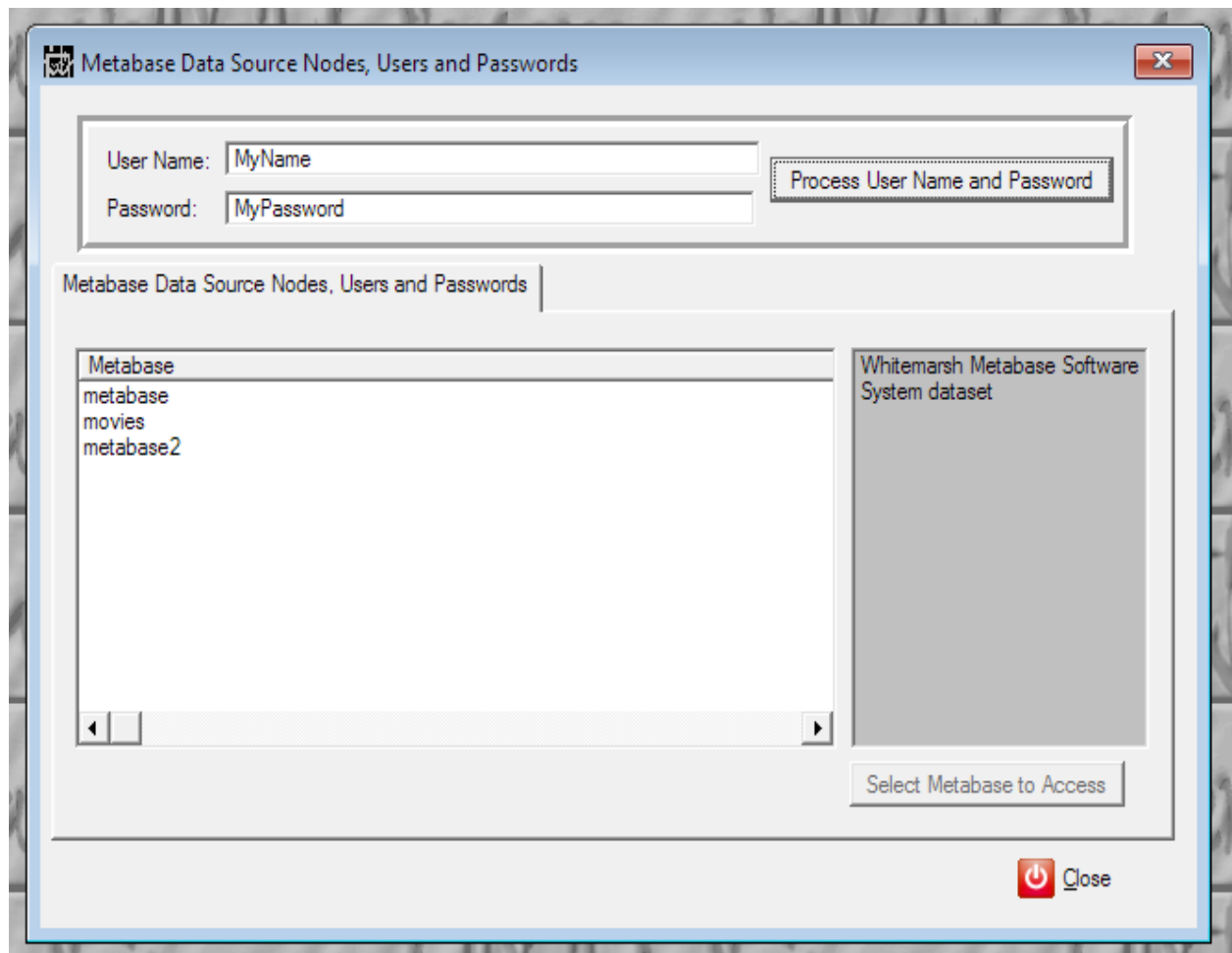


Figure 4. User Name and Password Screen.



5 Process Model

5.1 Menu Structure

The top level of the Documents and Forms module includes the following:

- Edit
- Governance By Metabase Module
- Window
- Help

A complete menu is provided in the table that follows:

Menu for Document and Form
<ul style="list-style-type: none"> • GovernanceByMetabaseSystemModule • BusinessEventGovernance <ul style="list-style-type: none"> ◆ BusinessEvent ◆ BusinessCycle ◆ CalendarCycle • BusinessInformationSystemsGovernance <ul style="list-style-type: none"> ◆ BusinessInformationSystems • DatabaseObjectsGovernance <ul style="list-style-type: none"> ◆ DatabaseObjects ◆ DatabaseObjectPrimitiveDataTransformations ◆ DatabaseObjectStates ◆ DatabaseObjectInformationSystems ● DataIntegrityRuleGovernance <ul style="list-style-type: none"> ● DataIntegrityRules ● DataModelingGovernance <ul style="list-style-type: none"> ◆ DataElementGovernance <ul style="list-style-type: none"> ■ Concepts ■ ConceptualValueDomains ■ DataElements ■ DataElementConcepts ■ DataTypes ■ MetaCategoryValueTypes ■ ValueDomains ◆ SpecifiedDataModelGovernance <ul style="list-style-type: none"> ■ Subjects ◆ ImplementedDatabaseModelGovernance <ul style="list-style-type: none"> ■ Schemas ◆ OperationalDatabaseModelGovernance



Menu for Document and Form	
	<ul style="list-style-type: none">■ DBMSSchemas■ DataArchitecture■ Databases■ DBMS◆ ViewDataModelGovernance<ul style="list-style-type: none">■ ViewDataModels● DocumentAndFormGovernance<ul style="list-style-type: none">◆ Documents◆ Forms● InformationNeedsAnalysis<ul style="list-style-type: none">◆ InformationNeeds◆ InformationNeedCharacteristics● MissionOrganizationFunctionGovernance<ul style="list-style-type: none">◆ Missions◆ Organizations◆ MissionOrganizations◆ Functions◆ MissionOrganizationFunctions◆ Positions◆ Person● ProjectManagementGovernance<ul style="list-style-type: none">◆ ProjectTemplates◆ DeliverableTemplates◆ TaskTemplates◆ Skills◆ WorkEnvironmentFactors● ResourceLifeCycleAnalysisGoverance<ul style="list-style-type: none">● Resources and LifeCycles● UserAcceptanceTestGoverance<ul style="list-style-type: none">◆ UserAcceptanceTests● UseCaseGovernance<ul style="list-style-type: none">◆ UseCases◆ UseCaseActors◆ UseCaseEvents

Figure 4 shows an example of navigating the menu structure.



5.2 Fact Data

The governance assignment records are created within the menu context of specific Metabase System modules, which are:

- Governance By Metabase System Module
- Business Event Governance
- Business Information Systems Governance
- Database Objects Governance
- Data Integrity Rule Governance
- Data Modeling Governance
- Data Element Governance
 - ◆ Specified Data Model Governance
 - ◆ Implemented Database Model Governance
 - ◆ Operational Database Model Governance
 - ◆ View Data Model Governance
- Document And Form Governance
- Information Needs Analysis
- Mission Organization Function Governance
- Project Management Governance
- Resource Life Cycle Analysis Governance
- User Acceptance Test Governance
- Use Case Governance

5.3 Governance By Metabase System Module

Figure 5 presents the structure of the Governance menu.

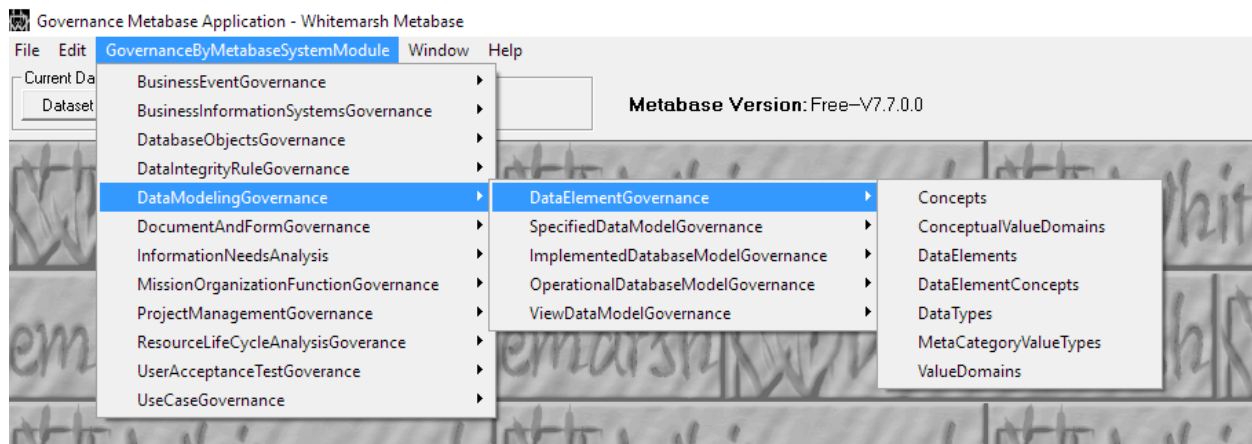


Figure 5. Overall Governance Module Menu Structure.



The structure of this screen maps directly with the list contained in Section 5.2. Select the appropriate Metabase System module, a contained module if needed, and then finally the Metabase System work product, for example, Concepts. Accomplished, the ability to establish the governance for Concepts can be started.

5.4 Business Event Governance

Business Event Governance can be established for the following three work products:

- Business Event
- Business Cycle
- Calendar Cycle

5.4.1 Business Event

Figure 6 presents the screen for Business Event Governance assignment. On the left side of the window, select the person to be assigned the governance responsibility. Once selected, select and tag one and only one Mission Organization Function Position within which the selected person is to accomplish the governance. If multiple items are selected and tagged, only the last one selected and tagged will be employed during the build process.

On the right side of the window, identify, select, and tag all the appropriate business events to be governed. If multiple items are tagged, governance records will be build, one for each business event selected.

If an existing governance record is to be deleted, select it and press the button, Delete.

Finally, press the Build button. At that point, the government assignment process sets the start date, leaves the end date empty, and constructs two data for the columns, Mission-Organization-Function-Position-Person name, which in this example is:

Chris Date the Data Management within Data Management Information Technology Accomplish Information Technology Work Products gov

Developed also is the description column which results in the following value:

Data Management Information Technology Accomplish Information Technology Work Products Data Management Chris Date Review Store Information Technology Deployment



1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1394	John.Cash@MRC.Com
Chris		Date	1-408-279-2891	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Techn	Data Management

Name
Accomplishes Data Management functions

Description

3) Tag one or more Business Events

Business Event

- ☒ Accomplish Corporate Human Resources Management
- ☐ Accomplish Corporate Human Resources Rotation Management.
- ☐ Accomplish Customer Product Transaction
- ☐ Accomplish Product Distribution
- ☐ Accomplish Store Financial Operation
- ☐ Accomplish Store Monitoring
- ☐ Accomplish customer account management event
- ☐ Accomplishment Corporate Marketing
- ☐ Acquire Product from Warehouse
- ☐ Acquire Products for Distribution
- ☐ Perform Marketing Program Management
- ☐ Review Product Actuation
- ☐ Review Store Facilities Management
- ☐ Review Store Human Resources Deployment
- ☐ Review Store Information Technology Deployment
- ☐ Review Store Marketing Plan
- ☐ Unknown

Build

Start	End	Mission Organization Function Position Person	Business Event
9/22/2016	/ /	Accomplishes Data Management functions	Perform Marketing Program Management

Name
Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing:

Description
Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing:
Perform Marketing Program Management

Change Delete

Close Help

Figure 6. Business Event Governance Assignment.

If the start or end date is to be changed, or if the assignment name or its description is to change, press the Change button. Figure 7 is then presented.



1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-208-278-2884	Chris.Date@IBM.com
David		Hay	1-213-278-0184	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology		

3) Tag one or more Business Events

Business Event
<input checked="" type="checkbox"/> Accomplish Corporate Human Resources Management
<input type="checkbox"/> Accomplish Corporate Human Resources Rotation Management.
<input type="checkbox"/> Accomplish Customer Product Transaction
<input type="checkbox"/> Accomplish Product Distribution
<input type="checkbox"/> Accomplish Store Financial Operation
<input type="checkbox"/> Accomplish Store Monitoring
<input type="checkbox"/> Accomplish customer account management event
<input type="checkbox"/> Accomplishment Corporate Marketing
<input type="checkbox"/> Acquire Product from Warehouse

Record Will Be Changed

1) General

Last Name: Chris Last Name: Date

Mission: Data Management

MOFPPERId: 47 Organization: Information Technology

Function: Accomplish Information Technology Work Products

Position: Data Management

BusinessEvent: 8 Perform Marketing Program Management

Mission Organization Function Position Person Business Event: Chris Date Position: Data Management Addressing: Data Management Organization: Information Technology Performing: Accomplish Information Technology Work Products Governing: Perform Marketing Program Management

Assignment Start Date: 9/22/2016

Assignment End Date:

Description: Chris Date Position: Data Management Addressing: Data Management Organization: Information Technology Performing: Accomplish Information Technology Work Products Governing: Perform Marketing Program Management

OK Cancel Help

Figure 7. Business Event Assignment Change.

The only items that can be changed are:

- Name (Mission Organization Function Position Person Business Event)
- Assignment Start Date
- Assignment End Date
- Description

The maximum length to the name is 250. In this example, the complete “name” is presented. The description on the other hand can be extended to 4000 characters. While the software initially generates these two to be the same value, both values can be changed independently.

The start date and the end date can be changed. Press the button to the immediate right of the date. A calendar is displayed as shown in Figure 8. Single-click the correct date for either the start, end, or both. The changed date then appears.



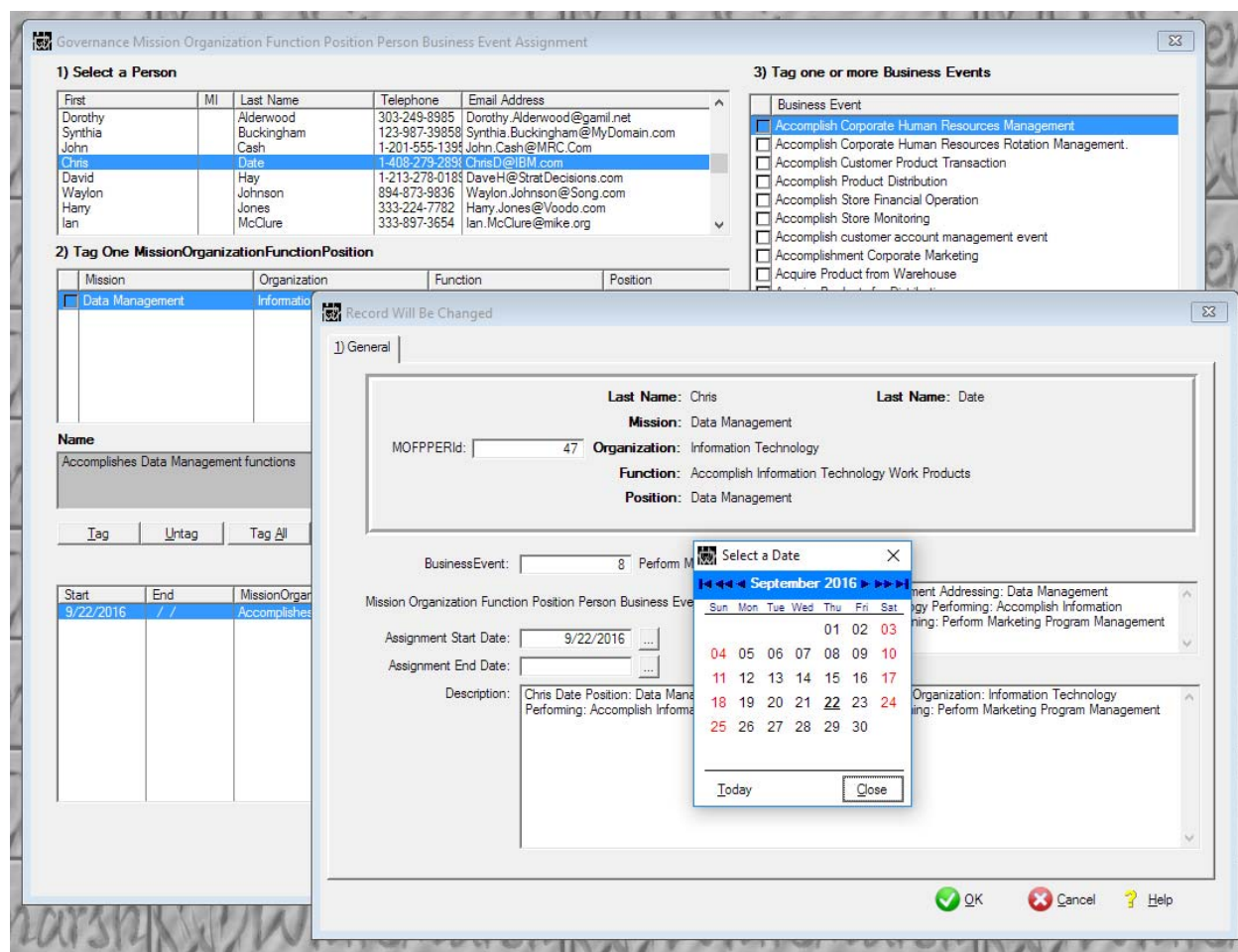


Figure 8. Calendar Date Selection for Business Event Assignment.

Since the update and date selection screens are the same for all the different governance types, there is no need to repeat these screens. The only screen to be shown will be the governance assignment screens.

As stated above, the governance assignment screens is in two parts. The left part is the selection of the person and their mission-organization-function-position contexts. Because the left part is the same for all the governance assignments, it is not described again.

The right side, however, identifies the Metabase System work product that is being governed. That is described for each governance.



5.4.2 Business Cycle

Figure 9 presents the screen for Business Cycle Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate business cycles to be governed. If multiple items are tagged, governance records will be build, one for each business cycle selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

Governance Business Event Cycle Assignment

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org
Mike		Moss	1-301-249-114	MikeM@wiscorp.com
Jennifer		Overbrook	650-387-4987	Jennifer.Overbrook@bowie.org
Mary		Smith	398-286-3530	Mary.Smith@usa.gov
UNKNOWN		UNKNOWN	123-456-7890	unknown@unknown.com
John		Wildwood	308-289-4893	John.Wildwood@wood.com

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Program Management	Program Management Office	Accomplish Program Management	Project Manager

To be described

3) Tag one or more Business Event Cycles

Business Event Cycle
<input type="checkbox"/> UNKNOWN
<input checked="" type="checkbox"/> Financial Planning Yearly
<input type="checkbox"/> Human Resource Evaluation On Demand
<input type="checkbox"/> Monthly On Demand
<input type="checkbox"/> Monthly UNKNOWN
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Weekly
<input type="checkbox"/> Monthly Yearly
<input type="checkbox"/> Quarterly Monthly
<input type="checkbox"/> Quarterly Monthly
<input type="checkbox"/> Quarterly UNKNOWN
<input type="checkbox"/> Weekly Daily
<input type="checkbox"/> Yearly Quarterly
<input type="checkbox"/> Yearly UNKNOWN

Start	End	MissionOrganizationFunctionPositionPersonName	Business Event Cycle
9/23/2016	/ /	Accomplishes Program Management functions	Financial Planning Yearly

Name

Mike Moss Position: Project Manager
Addressing: Program Management
Organization: Program Management Office
Performing: Accomplish Program

Description

Mike Moss Position: Project Manager
Addressing: Program Management
Organization: Program Management Office
Performing: Accomplish Program
Management Governing: Financial

Figure 9. Business Cycle Governance Assignment.



5.4.3 Calendar Cycle

Figure 10 presents the screen for Calendar Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate calendar cycles to be governed. If multiple items are tagged, governance records will be build, one for each calendar cycle selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2895	ChrisD@IBM.com
David		Hay	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

3) Tag one or more Business Event Calendar Cycles

Business Event Calendar Cycle
<input type="checkbox"/> Unknown UNKNOWN
<input type="checkbox"/> Monthly Contains On Demand
<input type="checkbox"/> Monthly Contains Weekly
<input type="checkbox"/> Monthly Contains Weekly
<input type="checkbox"/> Monthly Contains Weekly
<input type="checkbox"/> Monthly Contains Weekly
<input type="checkbox"/> Monthly Contains Weekly
<input type="checkbox"/> Quarterly Contains Monthly
<input type="checkbox"/> Quarterly Contains Monthly
<input type="checkbox"/> Quarterly Contains Yearly
<input type="checkbox"/> UNKNOWN Contains On Demand
<input type="checkbox"/> UNKNOWN Contains On Demand
<input type="checkbox"/> UNKNOWN Contains On Demand
<input type="checkbox"/> Weekly Contains Daily
<input type="checkbox"/> Weekly Contains Daily
<input checked="" type="checkbox"/> Yearly Contains Quarterly
<input type="checkbox"/> Yearly Contains Quarterly
<input type="checkbox"/> Yearly Contains Quarterly

To be described

Tag Untag Tag All Untag All Build

Start	End	Mission Organization Function Position Person	Business Event Calendar
9/23/2016	//	Performs Accomplishes Store Manager activities activities	Quarterly Contains Monthly
9/23/2016	//	Performs Accomplishes Store Manager activities activities	Yearly Contains Quarterly
9/23/2016	//	Performs Accomplishes Store Manager activities activities	Monthly Contains Weekly

Name

Waylon Johnson Position: Store Manager
Addressing: Franchising Organization:
Store Operations Management Performing:
Plan Governing: Monthly Contains Weekly

Description

Waylon Johnson Position: Store Manager
Addressing: Franchising Organization:
Store Operations Management Performing:
Plan Governing: Monthly Contains Weekly

Change Delete

Close Help

Figure 10. Calendar Cycle Governance Assignment.



5.5 Business Information Systems Governance

Figure 11 presents the screen for Business Information System Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate business information systems to be governed. If multiple items are tagged, governance records will be build, one for each business information system selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

The screenshot displays the 'GovernanceBusinessInformationSystems' window with three main sections:

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Chris		David	1-408-279-2896	ChrisD@IBM.com
Waylon		Hay	1-213-278-0188	DaveH@StratDecisions.com
Harry		Johnson	894-873-9836	Waylon.Johnson@Song.com
Ian		Jones	333-224-7782	Harry.Jones@Voodoo.com
Mike		McClure	333-897-3654	Ian.McClure@mike.org
Jennifer		Moss	1-301-243-1142	MikeM@wiscorp.com
Mary		Overbrook	650-387-4987	Jennifer.Overbrook@bowie.org
		Smith	398-286-3530	Mary.Smith@usa.gov

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Assistant Store Manag

Unknown

Tag Untag Tag All Untag All

Build

3) Tag one or more Business Information Systems

Business Information System Hierarchy

- ☐ UNKNOWN
 - ☐ Customer Management
 - ☐ Distributor Management
 - ☐ Movie Management
 - ☐ Movie Rental Transaction Management
 - ☐ Store Management
 - ☒ Movie Sales Management
 - ☐ Human Resources Management

Tag Addition: Completed

Unknown

Explode Branch Collapse Branch Tag Row Untag Row

Explode All Collapse All

Name

Jennifer Overbrook Position: Assistant Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Movie Sales Management

Description

Jennifer Overbrook Position: Assistant Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Movie Sales Management

Change Delete

Close Help

Start	End	Mission Organization Function Position Person	Business Information System
9/23/2016	/ /	Unknown	Customer Management
9/23/2016	/ /	Unknown	Movie Rental Transaction Management
9/23/2016	/ /	Unknown	Store Management
9/23/2016	/ /	Unknown	Movie Sales Management

Figure 11. Business Information System Governance Assignment.



5.6 Database Objects Governance

Database Objects Governance can be established for the following three work products:

- Database Objects
- Database Object Primitive Data Transformation
- Database Object States
- Database Object Information Systems

5.6.1 Database Objects

Figure 12 presents the screen for Database Object Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate database objects to be governed. If multiple items are tagged, governance records will be build, one for each database object selected.

The screenshot shows the 'Database Object Assignments' window with three main sections:

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8885	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1394	John.Cash@MRC.Com
Chris		Date	1-408-279-2894	ChrisD@IBM.com
David		Hay	1-213-278-0184	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Technic	Data Management

To be described

Tag Untag Tag All Untag All

Build

3) Tag one or more Database Objects

Schema

- Movie Sales
- Movies Data Warehouse
- Movies Original Data Capture**
- UNKNOWN

The movie original data capture schema is a collection of tables, columns, relationships, and constraints that form the database necessary to capture customer movie rental transactions within a particular store.

Database Object

- ☐ Hierarchy
- ☐ Movie Rental
- ☐ Movie
- ☐ Customer
- ☐ Store
- ☒ Distributor

Tag Addition: Completed

Explode Branch Collapse Branch Tag Row Untag Row

Explode All Collapse All

The artifacts associated with a Distributor of the movie rental business. Included are basic distributor information, products carried and distributed, prices, schedules for deliveries, and various contracts that the enterprise has created with the distributor.

Start	End	Mission Organization Function Position Person	Database Object
9/23/2016	//	Accomplishes Data Management functions	Movie Rental
9/23/2016	//	Accomplishes Data Management functions	Movie
9/23/2016	//	Accomplishes Data Management functions	Customer
9/23/2016	//	Accomplishes Data Management functions	Store
9/23/2016	//	Accomplishes Data Management functions	Distributor

Change Delete

Close Help

Figure 12. Database Objects Governance Assignment.



The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

5.6.2 Database Object Primitive Data Transformation

Figure 13 presents the screen for Database Objects Primitive Data Transformation Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Database Objects Primitive Data Transformations to be governed. If multiple items are tagged, governance records will be build, one for each database object primitive data transformation selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8885	Dorothy.Alderwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1393	John.Cash@MRC.Com
Chris		Date	1-408-279-2893	ChrisD@IBM.com
David		Hay	1-213-278-0183	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

3) Tag one or more Database Object Primitive Data Transformations

Schema: Movie Sales, Movies Data Warehouse, **Movies Original Data Capture**

Database Object: Hierarchy: Movie Rental, **Movie**, Customer, Store

Table: **Movie**, Movie Copy

Database Object Table Process: **Insert Movie**

Tag, Untag, Tag All, Untag All

The Movie information is obtained from a presentation layer. If the Movie is not present then it is inserted but only after all the Movie data is validated.

Build

Start	End	Mission	Organization	Function	Position	Person	Primitive Data Transformation
9/24/2016	//	Unknown	Unknown	Unknown	Unknown	Unknown	Insert Movie
9/24/2016	//	Unknown	Unknown	Unknown	Unknown	Unknown	Change Movie
9/24/2016	//	Unknown	Unknown	Unknown	Unknown	Unknown	Delete Movie

Name

Dorothy Alderwood Position: Store Manager
Addressing: Franchising Organization: Store Operations Management Performing: Plan
Governing: Insert Movie

Description

Dorothy Alderwood Position: Store Manager
Addressing: Franchising Organization: Store Operations Management Performing: Plan
Governing: Insert Movie

Change Delete

Close Help

Figure 13. Database Object Primitive Data Transformation Governance Assignment.



5.6.3 Database Object States

Figure 14 presents the screen for Database Object State Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Database Object States to be governed. If multiple items are tagged, governance records will be build, one for each database object state selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1399	John.Cash@MFC.Com
Chris		Date	1-408-279-2899	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Mentoring	Regional Operations Management	Lead	Region Manager
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

Unknown

Tag Untag Tag All Untag All Build

3) Tag one or more DatabaseObject States

Schema: Movie Sales, Movies Data Warehouse, Movies Original Data Capture, UNKNOWN

Database Objects: Hierarchy, Movie Rental, Employee

Seq	Database Object State
<input checked="" type="checkbox"/> 1	Employee Requirement
<input checked="" type="checkbox"/> 2	Employee Candidate
<input checked="" type="checkbox"/> 3	Employee New Hire
<input checked="" type="checkbox"/> 4	Employee Assigned
<input checked="" type="checkbox"/> 5	Employee Promotable
<input checked="" type="checkbox"/> 6	Employee in Probation

Tag Untag Tag All Untag All

Unknown

Start	End	Mission Organization Function Position Person	Database Object State
9/24/2016	//	Unknown	Employee Requirement
9/24/2016	//	Unknown	Employee Candidate
9/24/2016	//	Unknown	Employee New Hire
9/24/2016	//	Unknown	Employee Assigned
9/24/2016	//	Unknown	Employee Promotable
9/24/2016	//	Unknown	Employee in Probation
9/24/2016	//	Unknown	Employee Separated

Change Delete

Name
John Cash Position: Store Manager
Addressing: Franchising Organization: Store
Operations Management Performing: Plan
Governing: Employee Requirement

Description
John Cash Position: Store Manager
Addressing: Franchising Organization: Store
Operations Management Performing: Plan
Governing: Employee Requirement

Close Help

Figure 14. Database Object States Governance Assignment.



5.6.4 Database Object Information Systems Governance

Figure 15 presents the screen for Database Object Information Systems Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Database Object Information Systems to be governed. If multiple items are tagged, governance records will be build, one for each database object information system selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1399	John.Cash@MRC.Com
Chris		Date	1-408-279-2899	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Diversity Support Programs	Warehouse Operations Manage	Lead	Warehouse manager
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Customer Service Rep

Unknown

Tag Untag Tag All Untag All

Build

3) Tag one or more Database Object Information Systems

Schema

- Movie Sales
- Movies Data Warehouse
- Movies Original Data Capture
- UNKNOWN

Database Objects

Hierarchy

- Movie Rental
- Movie
- Customer

Database Object Information System

- ☒ Movie Rental Transaction Deletion
- ☒ Movie Rental Transaction Creation
- ☒ Movie Rental Transaction Change

Tag Untag Tag All Untag All

This system changes information related to a movie rental transaction.

Start	End	Mission Organization Function Position Person	Database Object Information System
9/24/2016	//	Unknown	Movie Rental Transaction Creation
9/24/2016	//	Unknown	Movie Rental Transaction Change
9/24/2016	//	Unknown	Movie Rental Transaction Deletion

Change Delete

Name

Ian McClure Position: Customer Service Representative Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing:

Description

Ian McClure Position: Customer Service Representative Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Movie Rental Transaction Creation

Close Help

Figure 15. Database Object Information System Governance Assignment.



5.7 Data Integrity Rule Governance

Figure 16 presents the screen for Data Integrity Rule Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Data Integrity Rules to be governed. If multiple items are tagged, governance records will be build, one for each data integrity rule selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

As of the Metabase System Version 0707, Data Integrity Rules has not been implemented.

Data Integrity Rule Assignments

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Sonq.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org
Mike		Moss	1-301-249-1142	MikeM@wiscorp.com
Jennifer		Overbrook	650-387-4987	Jennifer.Overbrook@bowie.org
Mary		Smith	398-286-3530	Mary.Smith@usa.gov

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

3) Tag one or more Data Integrity Rules

Data Integrity Rule
<input checked="" type="checkbox"/> UNKNOWN
<input type="checkbox"/> UNKNOWN2

Tag Untag Tag All Untag All

UNKNOWN

Name

Description

Change Delete

Close Help

Figure 16. Data Integrity Rule Governance Assignment.



5.8 Data Modeling Governance

Data Modeling governance address the following classes of data models:

- Data Elements
- Specified Data Models
- Implemented Data Models
- Operational Data Models
- View Data Models

5.9.1 Data Element Governance

Data Element governance address the following data element data model work products:

- Concepts
- Conceptual Value Domains
- Data Elements
- Data Element Concepts
- Data Types
- Meta Category Value Types
- Value Domains

5.9.1.1 Concepts

Figure 17 presents the screen for Concept Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Concepts to be governed. If multiple items are tagged, governance records will be build, one for each concept selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

Concepts are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.



1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1399	John.Cash@MRC.Com
Chris		Date	1-408-279-2899	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Diversity Support Programs	Warehouse Operations Manag	Lead	Warehouse manager
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Customer Service Rep

Unknown

Tag Untag Tag All Untag All

Build

Start	End	Mission Organization Function Position Person	Concept
9/24/2016	//	Unknown	Persons
9/24/2016	//	Unknown	Person Components
9/24/2016	//	Unknown	Organizations

3) Tag one or more Concepts

Concept

- ☐ Finance
- ☐ Finance Components
- ☐ Information System Access Components
- ☐ Information Technology
- ☐ Information Technology Components
- ☐ Location
- ☐ Location Components
- ☐ Organization Components
- ☐ Organizations
- ☐ Person Components
- ☐ Persons
- ☐ Real Asset
- ☐ Transaction Components
- ☐ Transactions
- ☐ UNKNOWN
- ☒ UNKNOWN2

Tag Untag Tag All Untag All

UNKNOWN2

Name

Ian McClure Position: Warehouse manager Addressing: Diversity Support Programs Organization: Warehouse Operations Management Performing: Lead

Description

Ian McClure Position: Warehouse manager Addressing: Diversity Support Programs Organization: Warehouse Operations Management Performing: Lead Governing:

Change Delete

Close Help

Figure 17. Concepts Governance Assignments.



5.9.1.2 Conceptual Value Domains

Figure 18 presents the screen for Concept Value Domain Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Concept Value Domains to be governed. If multiple items are tagged, governance records will be build, one for each conceptual value domain selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Concept Value Domain are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

The screenshot shows the 'ConceptualValueDomainAssignment' window. It is divided into several sections:

- 1) Select a Person:** A table with columns: First, MI, Last Name, Telephone, Email Address. The row for 'Chris Date' is selected.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, Position. The row for 'Data Management' is selected.
- 3) Tag one or more ConceptualValueDomains:** A list of Conceptual Value Domains with checkboxes. 'Formatted String' is checked.
- Build:** A button to generate the governance record.
- Results Table:** A table showing the generated governance records with columns: Star, End, Mission Organization Function Position Person, and Conceptual Value Domain.
- Name and Description:** Fields for naming and describing the governance record.

Star	End	Mission Organization Function Position Person	Conceptual Value Domain
9/24/2016	//	Accomplishes Data Management functions	Numbers
9/24/2016	//	Accomplishes Data Management functions	Integers
9/24/2016	//	Accomplishes Data Management functions	Decimals
9/24/2016	//	Accomplishes Data Management functions	Alphabetic Strings
9/24/2016	//	Accomplishes Data Management functions	Names
9/24/2016	//	Accomplishes Data Management functions	Dates
9/24/2016	//	Accomplishes Data Management functions	Discrete Dates
9/24/2016	//	Accomplishes Data Management functions	Formatted String

Figure 18. Concept Value Domain Governance Assignments.



5.9.1.3 Data Elements

Figure 19 presents the screen for Data Elements Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Data Elements to be governed. If multiple items are tagged, governance records will be build, one for each data element selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well. In the Whitemarsh Data Architecture Reference Model, data elements are the semantic parents of Attributes of Entities within the Specified Data model, and the Columns of Tables within the Implemented Data Models. Consequently, when a Subject Data Model and/or an Implemented Data Model is assigned to a person for governance, the assignee should consult with the various persons who are assigned the parent Data Elements governance for the Entity Attributes or Table Columns.

The screenshot shows the 'Data Element Assignments' window with three main sections:

- 1) Select a Person:** A table listing people with columns: First, MI, Last Name, Telephone, and Email Address. The person 'Waylon Johnson' is selected.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, and Position. The entry 'Franchising | Store Operations Management | Plan | Store Manager' is selected.
- 3) Tag one or more Data Elements:** A list of data elements with checkboxes. 'Distributor Zip Code' is checked.

At the bottom, there is a 'Build' button and a table showing the resulting governance assignments:

Start	End	Mission Organization Function Position Person	Data Element
9/24/2016	//	Performs Accomplishes Store Manager activities ac	Distributor City
9/24/2016	//	Performs Accomplishes Store Manager activities ac	Distributor Id
9/24/2016	//	Performs Accomplishes Store Manager activities ac	Distributor Name
9/24/2016	//	Performs Accomplishes Store Manager activities ac	Distributor Zip Code
9/24/2016	//	Performs Accomplishes Store Manager activities ac	Distributor State
9/24/2016	//	Performs Accomplishes Store Manager activities ac	Distributor Street Address

On the right side, there are sections for 'Name' and 'Description' of the assignment, both showing the details for 'Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing:'.

Figure 19. Data Element Governance Assignment.



5.9.1.4 Data Element Concepts

Figure 20 presents the screen for Data Element Concepts Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Data Element Concepts to be governed. If multiple items are tagged, governance records will be build, one for each data element concept selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Data Element Concepts are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

The screenshot shows the 'DataElementConcept Assignments' window with three main sections:

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2891	ChrisD@IBM.com
David		Hay	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Techno	Data Management

To be described

Tag Untag Tag All Untag All

Build

3) Tag one or more Data Element Concepts

Data Element Concept
<input type="checkbox"/> Abstract Asset Characteristics
<input type="checkbox"/> Abstract Asset Computer Generated Identifier
<input type="checkbox"/> Abstract Asset Description
<input type="checkbox"/> Abstract Asset Integer Identifier
<input type="checkbox"/> Abstract Asset Name
<input type="checkbox"/> Communications Locator Characteristics
<input type="checkbox"/> Communications Locator Names
<input checked="" type="checkbox"/> Email Address
<input checked="" type="checkbox"/> Event Characteristics
<input checked="" type="checkbox"/> Event Date
<input checked="" type="checkbox"/> Event Description
<input checked="" type="checkbox"/> Event Name
<input type="checkbox"/> Financial Amount
<input type="checkbox"/> Financial Characteristics
<input type="checkbox"/> Financial Institution Identifier
<input type="checkbox"/> Financial Instrument Identifier
<input type="checkbox"/> Financial Transaction Form

Tag Untag Tag All Untag All

Event Name, a name associated with an event, is the specific local definition. Set within context. The data element concept, Event Name, is an employment of the concept: Event Component, which is defined as: Some well bounded part of an event. ... The data element concept, Event Name, is within the context of the conceptual value domain: Names, which is defined as: Textual names of concepts.

Name

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information

Description

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing:

Change Delete

Close Help

Start	End	Mission Organization Function Position Person	Data Element Concept
9/26/2016	//	Accomplishes Data Management functions	Event Characteristics
9/26/2016	//	Accomplishes Data Management functions	Event Name
9/26/2016	//	Accomplishes Data Management functions	Event Description
9/26/2016	//	Accomplishes Data Management functions	Event Date
9/26/2016	//	Accomplishes Data Management functions	Email Address

Figure 20. Data Element Concept Governance Assignment.



5.9.1.5 Data Types

Figure 21 presents the screen for Data Types Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Data Types to be governed. If multiple items are tagged, governance records will be build, one for each data type selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well. In this example, if Character governance is assigned, the assignee would be responsible for governing any of the selected SQL data types that map to the Character data type. In the bottom browse, The SQL data types are set within the context of the named DBMS.

The screenshot shows the 'Data Type Assignments' window with three main sections:

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1398	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Techn	Data Management

To be described

Tag Untag Tag All Untag All

Build

3) Tag one or more Data Types

Data Type	Prec	Scale
<input type="checkbox"/> BINARY	Y	N
<input checked="" type="checkbox"/> BIT	Y	N
<input checked="" type="checkbox"/> BITVARYING	Y	N
<input checked="" type="checkbox"/> CHARACTER	Y	N
<input checked="" type="checkbox"/> DATE	N	N
<input checked="" type="checkbox"/> DECIMAL	Y	Y

Tag Untag Tag All Untag All

Fixed length binary string, maximum length n.

Data Type	SQL Data Type
CHARACTER	CHAR
CHARACTER	VARCHAR
CHARACTER	CHARACTER VARYING
CHARACTER	CLOB

DBMS	DBMS Data Type
Mimer SQL Engine	VARCHAR
Mimer SQL Engine	CHARACTER VARYING
ORACLE	VARCHAR
ORACLE	NCHAR
ORACLE	VARCHAR2

Start	End	Mission Organization Function Position Person	Data Type
9/26/2016	//	Accomplishes Data Management functions	BIT
9/26/2016	//	Accomplishes Data Management functions	BITVARYING
9/26/2016	//	Accomplishes Data Management functions	DECIMAL
9/26/2016	//	Accomplishes Data Management functions	CHARACTER
9/26/2016	//	Accomplishes Data Management functions	BINARY
9/26/2016	//	Accomplishes Data Management functions	DATE

Change Delete

Close Help

Name

David Hay Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information

Description

David Hay Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing: BIT

Figure 21. Data Type Governance Assignment.



5.9.1.6 Meta Category Value Types

Figure 22 presents the screen for Meta Category Value Types Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Meta Category Value Types to be governed. If multiple items are tagged, governance records will be build, one for each meta category value type selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well. In this example, the assignee would be responsible for governing all the meta category values associated with the tagged Meta Category Value Types. Additionally, the assignee is responsible for all the subordinate Meta Category Values within, for example, Units. In this case, that would include English, Metric, and Monetary.

The screenshot shows the 'MetaCategoryValueType Assignments' window. It is divided into several sections:

- 1) Select a Person:** A table with columns: First, MI, Last Name, Telephone, Email Address. The row for 'Chris' is selected.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, Position. The row for 'Data Management' is selected.
- 3) Tag one or more Meta Category ValueTypes:** A tree view showing 'MetaCategoryValueType Class' (Unknown, Prefix, Suffix) and 'Meta Category Value Type' (2 Data Use Modifiers, 1 Role, 2 Units, 3 English, 1 Metric, 2 Monetary, 3 Qualitative Form, 4 Quantitative Form). The '2 Units' branch is expanded and selected.
- To be described:** A text area for describing the assignment.
- Meta Category Value Hierarchy:** A list of values to be governed.
- Name:** A text area for naming the assignment.
- Description:** A text area for describing the assignment.
- Buttons:** Tag, Untag, Tag All, Untag All, Build, Change, Delete, Close, Help.

Star	End	Mission Organization Function Position Person	Meta Category Value Type
9/26/2016	//	Accomplishes Data Management functions	Role
9/26/2016	//	Accomplishes Data Management functions	Units
9/26/2016	//	Accomplishes Data Management functions	Qualitative Form
9/26/2016	//	Accomplishes Data Management functions	Quantitative Form

Figure 22. Meta Category Value Type Governance Assignment.



5.9.1.7 Value Domains

Figure 23 presents the screen for Value Domains Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Value Domains to be governed. If multiple items are tagged, governance records will be build, one for each value domain selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Value Domains are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

In this example, the assignee is responsible for all the subordinate Value Domains within, for example, Integer Numbers. In this case, that would include Large Integers, Small Integers, and Medium Integers.

The screenshot shows the 'Value Domain Assignments' window with three main sections:

- 1) Select a Person:** A table listing personnel with columns for First, MI, Last Name, Telephone, and Email Address. 'Chris' is selected.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns for Mission, Organization, Function, and Position. 'Data Management' is selected under Mission.
- 3) Tag one or more Value Domains:** A tree view of value domains. 'Specific Legal Dates' and 'Integer Numbers' (including Large, Small, and Medium Integers) are selected.

At the bottom, a 'Build' button is visible. Below it, a table shows the resulting governance records:

Start	End	Mission Organization Function Position Person	Value Domain
9/26/2016	//	Accomplishes Data Management functions	Specific Legal Dates
9/26/2016	//	Accomplishes Data Management functions	US Dollars
9/26/2016	//	Accomplishes Data Management functions	Integer Numbers
9/26/2016	//	Accomplishes Data Management functions	Gender

On the right side, the 'Name' and 'Description' fields are populated with details for the selected assignment.

Figure 23. Value Domain Governance Assignment.



5.9.2 Specified Data Model Governance

Specified Data Model governance address the following data element data model work products:

- Subjects

Figure 24 presents the screen for Subjects Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate subject-identified Specified Data Models to be governed. If multiple items are tagged, governance records will be build, one for each subject selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

Subjects are the root table of the Specified Data Model. The complete data model for the Specified Data Model, that is the data model of concepts is depicted in Figure 25.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1391	John.Cash@MRC.Com
Chris		Date	1-408-279-2891	ChrisD@IBM.com
David		Hay	1-213-278-0181	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Mentoring	Regional Operations Management	Lead	Region Manager
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

3) Tag one or more Subjects

- Subjects
- Hierarchy
 - 1 UNKNOWN
 - 9 Business Transaction
 - 2 Location
 - 3 Organization
 - 4 Person
 - 5 Product**
 - 6 Locator
 - 7 Information Technology
 - 8 Movies
 - 10 Event

Explode Branch Collapse Branch Tag Row Untag Row
Explode All Collapse All

Unknown
A specific item that is received, inventoried, and possibly sold to a customer of the movie rentals corporation.

Tag Untag Tag All Untag All Build

Start	End	Mission Organization Function Position Person	Subject
9/26/2016	//	Unknown	Business Transaction
9/26/2016	//	Unknown	Organization
9/26/2016	//	Unknown	Person
9/26/2016	//	Unknown	Product

Change Delete

Name
John Cash Position: Region Manager
Addressing: Mentoring Organization: Regional
Operations Management Performing: Lead
Governing: Business Transaction

Description
John Cash Position: Region Manager
Addressing: Mentoring Organization: Regional
Operations Management Performing: Lead
Governing: Business Transaction

Close Help

Figure 24. Subjects Governance Assignment.



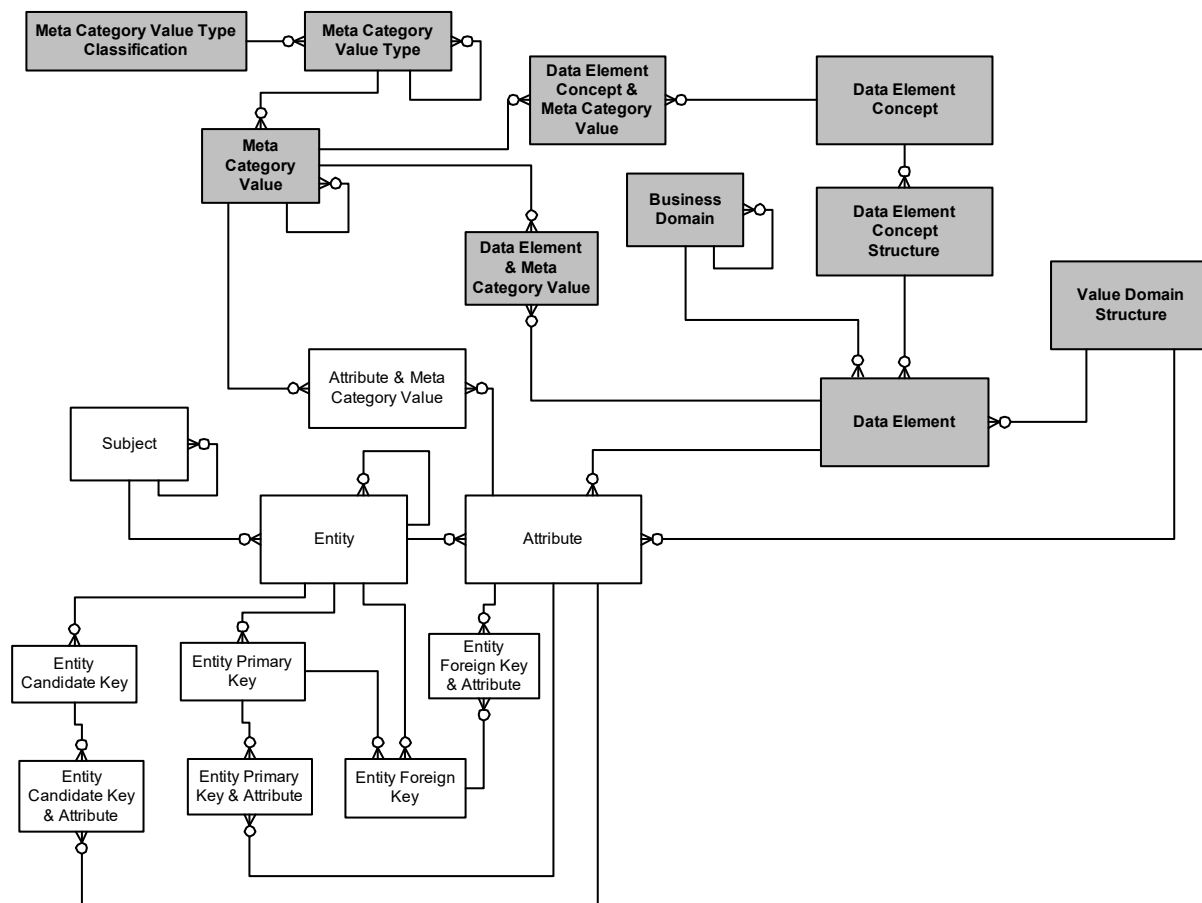


Figure 25. Specified Data Model.

Once a person is identified as responsible for the governance of specific subject then that person is responsible for all the metadata contained in all the entities related to that subject, including:

- Subject
- Entities
- Attributes
- Attribute assigned Meta Category Values
- Attribute assigned Value Domains
- Entity Primary Key
- Entity Primary Key Attributes
- Entity Candidate Keys
- Entity Candidate Key Attributes
- Entity Foreign Keys
- Entity Foreign Key Attributes

5.9.3 Implemented Database Model Governance



Implemented Data Model governance addresses the following work products:

- Schemas

Figure 26 presents the screen for Implemented Data Model Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate schema-identified Implemented Data Models to be governed. If multiple items are tagged, governance records will be build, one for each schema selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Schemas are the root table of Implemented Data Models. The complete data model for the Implemented Data Model, that is the data model of concepts is depicted in Figure 27.

The screenshot shows the 'Schemas Assignment' window with three main sections:

- 1) Select a Person:** A table with columns: First, MI, Last Name, Telephone, Email Address. The first row is highlighted: Dorothy, Alderwood, 303-249-8985, Dorothy.Alderwood@gmail.net.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, Position. The first row is highlighted: Franchising, Store Operations Management, Plan, Store Manager.
- 3) Tag one or more Schemas:** A list of schemas with checkboxes: Movie Sales, Movies Data Warehouse (checked), Movies Original Data Capture, UNKNOWN.

Below these sections are buttons for 'Tag', 'Untag', 'Tag All', and 'Untag All'. A 'Build' button is also present.

At the bottom, there is a table with columns: Start, End, Mission Organization Function Position Person, Schema. The first row is highlighted: 9/26/2016, / /, Unknown, Movies Data Warehouse.

On the right side, there are two text boxes: 'Name' and 'Description', both containing the same text: 'Dorothy Alderwood Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Movies Data Warehouse'.

At the bottom right, there are buttons for 'Change', 'Delete', 'Close', and 'Help'.

Figure 26. Implemented Data Model Assignment.



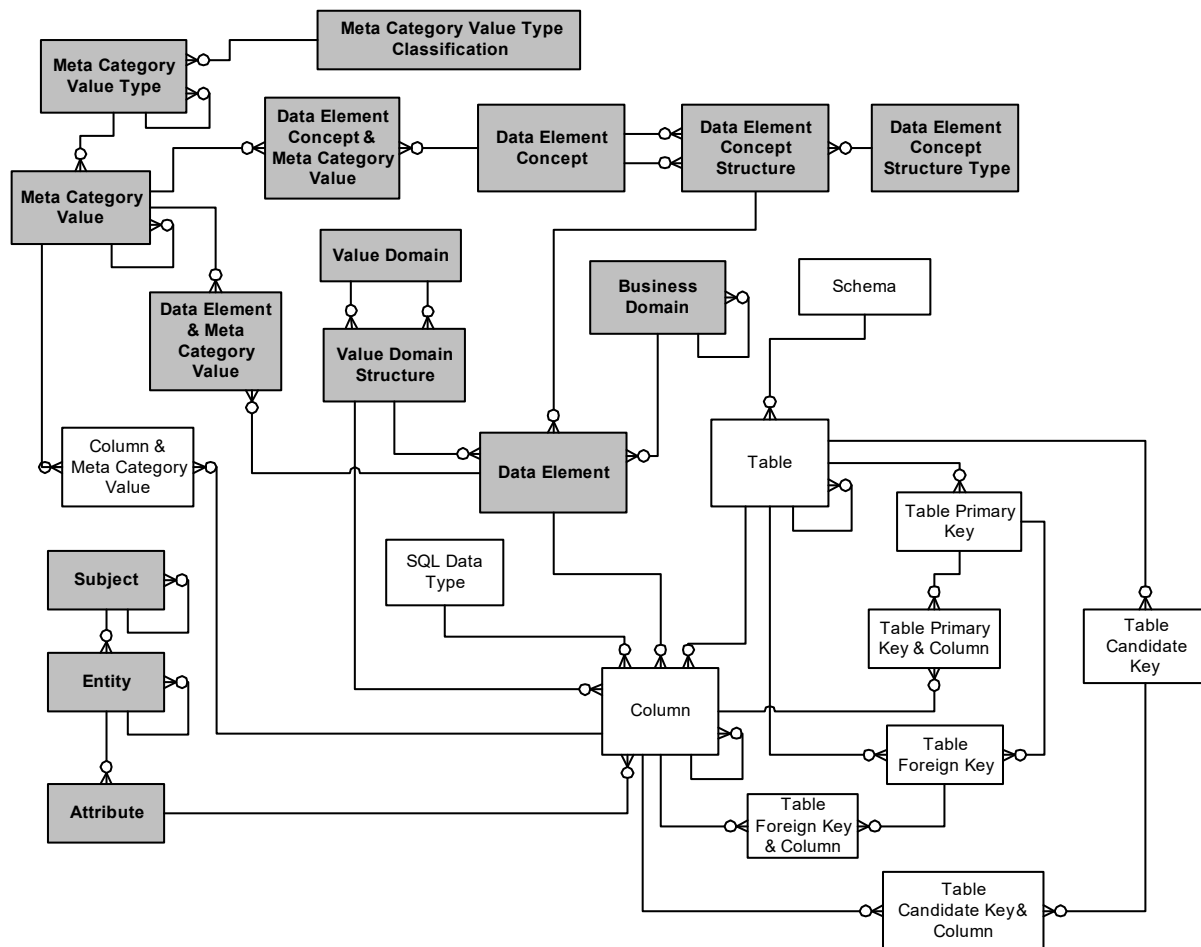


Figure 27. Implemented Data Model.

Once a person is identified as responsible for the governance of specific schema then that person is responsible for all the metadata contained in all the tables related to that schema, including:

- Schema
- Table
- SQL Data Type
- Column
- Column Assigned Meta Category Value
- Column Assigned Value Domain
- Table Primary Key
- Table Primary Key Column
- Table Candidate Key
- Table Candidate Key Column
- Table Foreign Key
- Table Foreign Key Column



5.9.4 Operational Database Model Governance

Operational Data Model governance addresses the following work products:

- DBMS Schemas
- Data Architecture
- Databases
- DBMS

5.9.4.1 DBMS Schemas

Figure 28 presents the screen for DBMS Schema Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2891	ChrisD@IBM.com
David		Hay	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Technic	Data Management

To be described

Tag Untag Tag All Untag All

Build

Start	End	Mission Organization Function Position Person	DBMS Schema
9/26/2016	/ /	Accomplishes Data Management functions	Movies Original Data Capture

Change Delete

3) Tag one or more DBMS Schemas

DBMS Schema
<input type="checkbox"/> Movies Data Warehouse
<input checked="" type="checkbox"/> Movies Original Data Capture
<input type="checkbox"/> Movies Sales
<input type="checkbox"/> UNKNOWN

Tag Untag Tag All Untag All

The movie original data capture schema is a collection of tables, columns, relationships, and constraints that form the database necessary to capture customer movie rental transactions within a particular store.

Name

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information

Description

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing: Movies Original Data Capture

Close Help

Figure 28. DBMS Schema Governance Assignment.



- DBMS Table Candidate Key
- DBMS Table Candidate Key Column
- DBMS Table Foreign Key
- DBMS Table Foreign Key Column
- DBMS Table Secondary Key
- DBMS Table Secondary Key Column

5.9.4.2 Data Architecture

Figure 30 presents the screen for Data Architecture Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Data Architectures to be governed. If multiple items are tagged, governance records will be build, one for each Data Architecture selected.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1337	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Mentoring	Regional Operations Management	Lead	Region Manager
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

Unknown

Tag Untag Tag All Untag All

3) Tag one or more Databases

Database
<input checked="" type="checkbox"/> Movies Data Warehouse
<input type="checkbox"/> Movies Original Data Capture
<input type="checkbox"/> UNKNOWN

Tag Untag Tag All Untag All

John Cash Position: Region Manager Addressing: Mentoring
Organization: Regional Operations Management Performing: Lead
Governing: Movies Data Warehouse

Name

John Cash Position: Region Manager
Addressing: Mentoring Organization:
Regional Operations Management
Performing: Lead Governing: Movies Data

Description

John Cash Position: Region Manager
Addressing: Mentoring Organization:
Regional Operations Management
Performing: Lead Governing: Movies Data
Warehouse

Start End Mission Organization Function Position Person Database

9/27/2016	/ /	Unknown				Movies Data Warehouse
-----------	-----	---------	--	--	--	-----------------------

Change Delete

Close Help

Figure 30. Database Governance Assignment.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.



5.9.4.3 Databases

Figure 31 presents the screen for Database Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Databases to be governed. If multiple items are tagged, governance records will be build, one for each Database selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

The screenshot shows the 'DataArchitecture Assignment' window with three main sections:

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2891	ChrisD@IBM.com
David		Hay	1-213-278-0181	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Technic	Data Management

To be described

Tag Untag Tag All Untag All

Build

3) Tag one or more Data Architectures

Data Architecture Class
<input type="checkbox"/> Data Warehouse
<input type="checkbox"/> Original Data Capture
<input checked="" type="checkbox"/> Reference Data
<input type="checkbox"/> Subject Area Database
<input type="checkbox"/> Transaction Data Staging Area
<input type="checkbox"/> UNKNOWN

Tag Untag Tag All Untag All

The reference data architecture class represents data that form the critical characterization and discrimination characteristics of data from within the entire set of business facts. Included, for example are genders, city names, state names, all codes, and like. Ideally, all reference data would be exactly the same across all the other four data architecture classes. Realistically, however, different agencies and providers have different reference data

Star	End	Mission Organization Function Position Person	Data Architecture
9/27/2016	/ /	Accomplishes Data Management functions	Reference Data

Change Delete

Close Help

Name

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information

Description

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing: Reference Data

Figure 31. Data Architecture Governance Assignment.



5.9.4.4 DBMS

Figure 32 presents the screen for DBMS Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate DBMSes to be governed. If multiple items are tagged, governance records will be build, one for each DBMS selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

The screenshot shows the 'DBMS Assignments' window with three main sections:

- 1) Select a Person:** A table listing people with columns: First, MI, Last Name, Telephone, and Email Address. David Hay is selected.
- 2) Tag One Mission Organization Function Position:** A table with columns: Mission, Organization, Function, and Position. 'Data Management' is selected under Mission, 'Information Technology' under Organization, and 'Accomplish Information Techno Data Management' under Function.
- 3) Tag one or more DBMSs:** A list of Database Management Systems: Clarion, Mimer SQL Engine, ORACLE, SQL Server (selected), SYBASE, and UNKNOWN. Below this list are buttons for Tag, Untag, Tag All, and Untag All.

At the bottom, there is a 'Build' button and a table showing the resulting governance records:

Start	End Date	Mission Organization Function Position Person	DBMS
9/27/2016	/ /	Accomplishes Data Management functions	SQL Server
9/27/2016	/ /	Accomplishes Data Management functions	ORACLE
9/27/2016	/ /	Accomplishes Data Management functions	Mimer SQL Engine

On the right side, there are sections for 'Name' and 'Description' for the selected assignment, showing details for David Hay's position and the governing technology work products.

Figure 32. DBMS Governance Assignment.



5.9.5 View Data Model Governance

View Data Model governance address the following work products:

- Views

Figure 33 presents the screen for View Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Views to be governed. If multiple items are tagged, governance records will be build, one for each View selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

The screenshot shows the 'View Data Model Assignments' window. It is divided into several sections:

- 1) Select a Person:** A table with columns: First, MI, Last Name, Telephone, Email Address. The row for 'Ian McClure' is selected.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, Position. The row for 'Diversity Support Programs' is selected.
- 3) Tag one or more View Data Models:** A list of View Data Models with checkboxes. 'Customer', 'Customer Address', 'Distributor', and 'Employee' are checked.
- Build:** A button to build the governance record.
- Summary Table:** A table with columns: Start, End, Mission Organization Function Position Person, View Data Model. It shows the assignment of 'Distributor' to 'Ian McClure' on 9/27/2016.
- Name:** A text area showing the name of the person and the view data model.
- Description:** A text area showing the description of the view data model.

Figure 33. View Governance Assignment.



5.10 Document And Form Governance

Operational Data Model governance address the following work products:

- Documents
- Forms

Figure 34 presents the data model for Document and Forms.

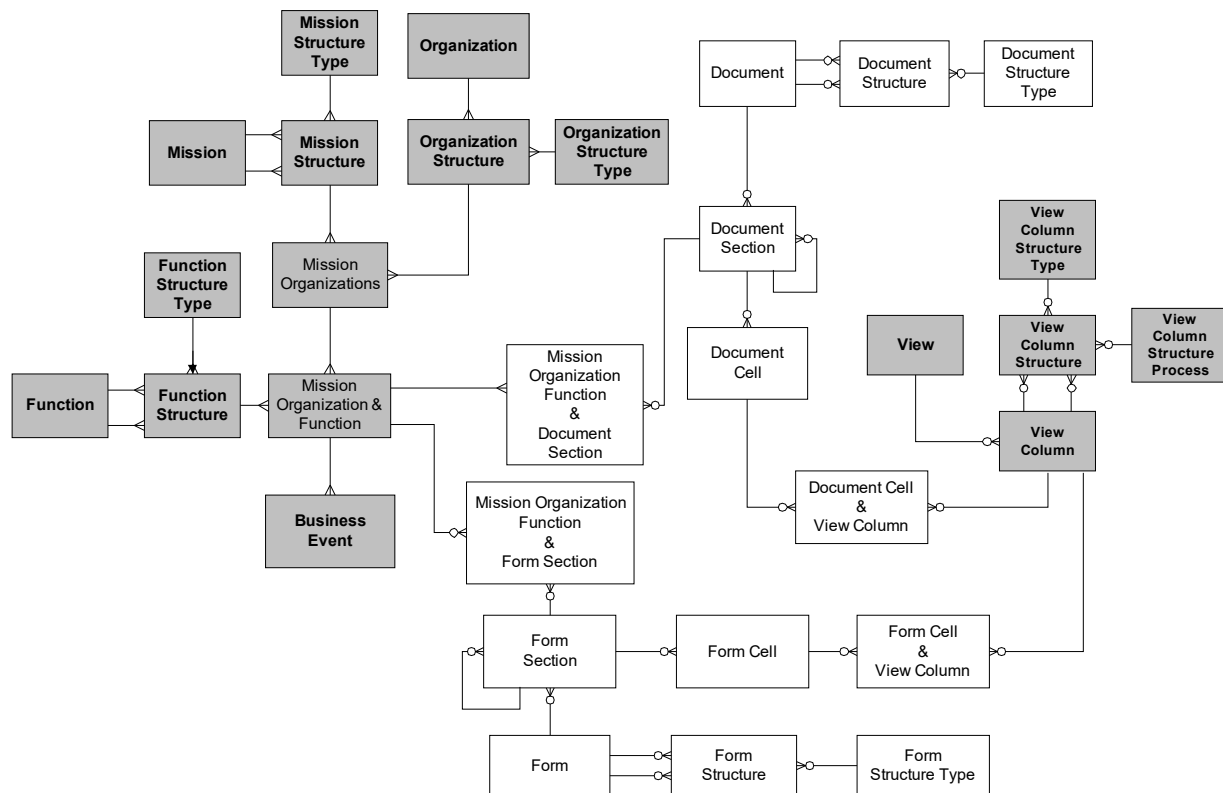


Figure 34. Documents and Forms.

5.10.1 Documents

Figure 35 presents the screen for Documents Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Documents to be governed. If multiple items are tagged, governance records will be build, one for each Document selected.



Document Assignment

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-243-8985	Dorothy.Aldenwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1393	John.Cash@MRC.Com
Chris		Date	1-408-279-2893	ChrisD@IBM.com
David		Hay	1-213-278-0183	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

To be described

Tag Untag Tag All Untag All

Build

Start	End	Mission Organization Function Position Person	Document
9/27/2016	/ /	Performs Accomplishes Store Manager activities at	Tactical Marketing Plan
9/27/2016	/ /	Performs Accomplishes Store Manager activities at	Operational Marketing Plan

Change Delete

3) Tag one or more Documents

Documents

- ☐ Business Information System General Descriptions
- ☐ Data Model
- ☐ Database Object Class Model
- ☐ Enterprise Database General Descriptions
- ☐ Information Systems Plan for 2010
- ☐ Missions, Organizations and Functions Models
- ☐ Operational Marketing Plan
- ☐ Resource Life Cycle Model
- ☐ Strategic Marketing Plan
- ☒ Tactical Marketing Plan
- ☐ UNKNOWN
- ☐ UNKNOWN2

Tag Untag Tag All Untag All

The tactical marketing plan is a single year plan for rolling out and monitoring the different movie rentals programs for the enterprise but for a single year. This plan is set within the context of the strategic marketing plan.

Name

Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan

Description

Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Tactical Marketing Plan

Close Help

Figure 35. Document Governance Assignment.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Documents are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

5.10.2 Forms

Figure 36 presents the screen for Forms Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Forms to be governed. If multiple items are tagged, governance records will be build, one for each Form selected.



The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Form Assignments

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MFC.Com
Chris		Date	1-408-278-2891	ChrisD@BM.com
David		Hay	1-213-278-0181	DaveH@StratDecisions.com
Waylon		Johnson	894-873-8836	Waylon.Johnson@Sopr.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

To be described

3) Tag one or more Forms

Form
<input type="checkbox"/> Business Information System
<input type="checkbox"/> Business Information System Views
<input type="checkbox"/> Data Architecture Class
<input type="checkbox"/> Environment Type
<input checked="" type="checkbox"/> Movie Membership Termination
<input checked="" type="checkbox"/> Movie Rental Agreement
<input checked="" type="checkbox"/> Movie Rental Contract
<input checked="" type="checkbox"/> Movie Rental Forms
<input checked="" type="checkbox"/> Movie Rental Late Notice
<input checked="" type="checkbox"/> Movie Rental Membership Application
<input type="checkbox"/> Programming Language
<input type="checkbox"/> UNKNOWN
<input type="checkbox"/> UNKNOWN2

A Movie Membership Termination is a form that is created and approved by the a manager from the Movie Rentals Corporation thaeminates membership privileges to an organization or individual.

Start	End	Mission Organization Function Position Person	Form
9/27/2016	//	Performs Accomplishes Store Manager activities ac	Movie Rental Membership Application
9/27/2016	//	Performs Accomplishes Store Manager activities ac	Movie Rental Agreement
9/27/2016	//	Performs Accomplishes Store Manager activities ac	Movie Rental Late Notice
9/27/2016	//	Performs Accomplishes Store Manager activities ac	Movie Rental Contract
9/27/2016	//	Performs Accomplishes Store Manager activities ac	Movie Rental Forms
9/27/2016	//	Performs Accomplishes Store Manager activities ac	Movie Membership Termination

Name

Waylon Johnson Position: Store Manager
Addressing: Franchising Organization:
Store Operations Management Performing:
Plan Governing: Movie Rental Membership

Description

Waylon Johnson Position: Store Manager
Addressing: Franchising Organization:
Store Operations Management Performing:
Plan Governing: Movie Rental Membership Application

Figure 36. Form Governance Assignment.

Forms are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

5.11 Information Needs Analysis

Operational Data Model governance address the following data element data model work products:

- Information Needs
- Information Need Characteristics

The data model for Information Needs Analysis is presented in Figure 37.



5.11.1 Information Needs

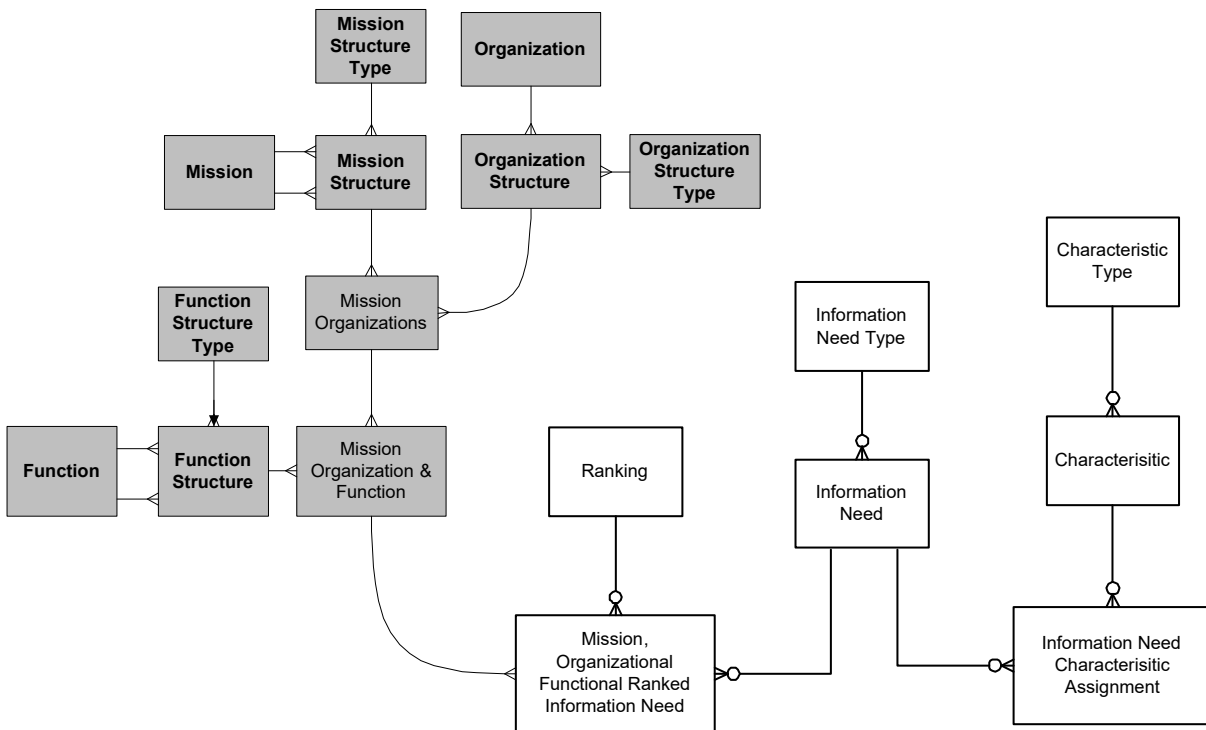


Figure 37. Information Needs Analysis Data Model.

Figure 38 presents the screen for Information Needs Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Information Needs to be governed. If multiple items are tagged, governance records will be build, one for each Information Need selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well



Information Need Assignments

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-3985	Dorothy.Alderwood@qamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1334	John.Cash@MRC.Com
Chris		Date	1-408-279-2834	ChrisD@IBM.com
David		Hay	1-213-278-0183	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

Unknown

Tag Untag Tag All Untag All

3) Tag one or more Information Needs

Information Need Type

- Facilities
- Finance
- Human Resources
- Marketing
- Operations**
- Property
- Sales
- UNKNOWN

Information Need

- ☐ Movie Rentals
- ☐ Top 10 Movies Report
- ☐ Rentals By Category
- ☒ Regional Operations
- ☒ Corporate Operations
- ☒ Warehouse Operations
- ☒ Store Operations

Tag Untag Tag All Untag All

Reports related to the operational aspects of one or more stores that would includes income and expenses of all types and kinds across various time periods. These reports can be actual or projected.

Build

Start	End	Mission Organization Function Position Person	Information Need
9/27/2016	//	Unknown	Regional Operations
9/27/2016	//	Unknown	Corporate Operations
9/27/2016	//	Unknown	Warehouse Operations
9/27/2016	//	Unknown	Store Operations

Change Delete

Name

Dorothy Alderwood Position: Store Manager
Addressing: Franchising Organization: Store
Operations Management Performing: Plan
Governing: Regional Operations

Description

Dorothy Alderwood Position: Store Manager
Addressing: Franchising Organization: Store
Operations Management Performing: Plan
Governing: Regional Operations

Close Help

Figure 38. Information Needs Governance Assignment.

5.11.2 [Information Need] Characteristics

Figure 39 presents the screen for Characteristics associated with Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Characteristic to be governed. If multiple items are tagged, governance records will be build, one for each Characteristic selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well



5.12 Mission Organization Function Governance

Operational Data Model governance address the following work products:

- Missions
- Organizations
- Mission-Organizations
- Functions
- Mission-Organization-Functions
- Positions
- Persons

Figure 40 presents the data model associated with Missions, Organizations, Functions, Positions and Persons.

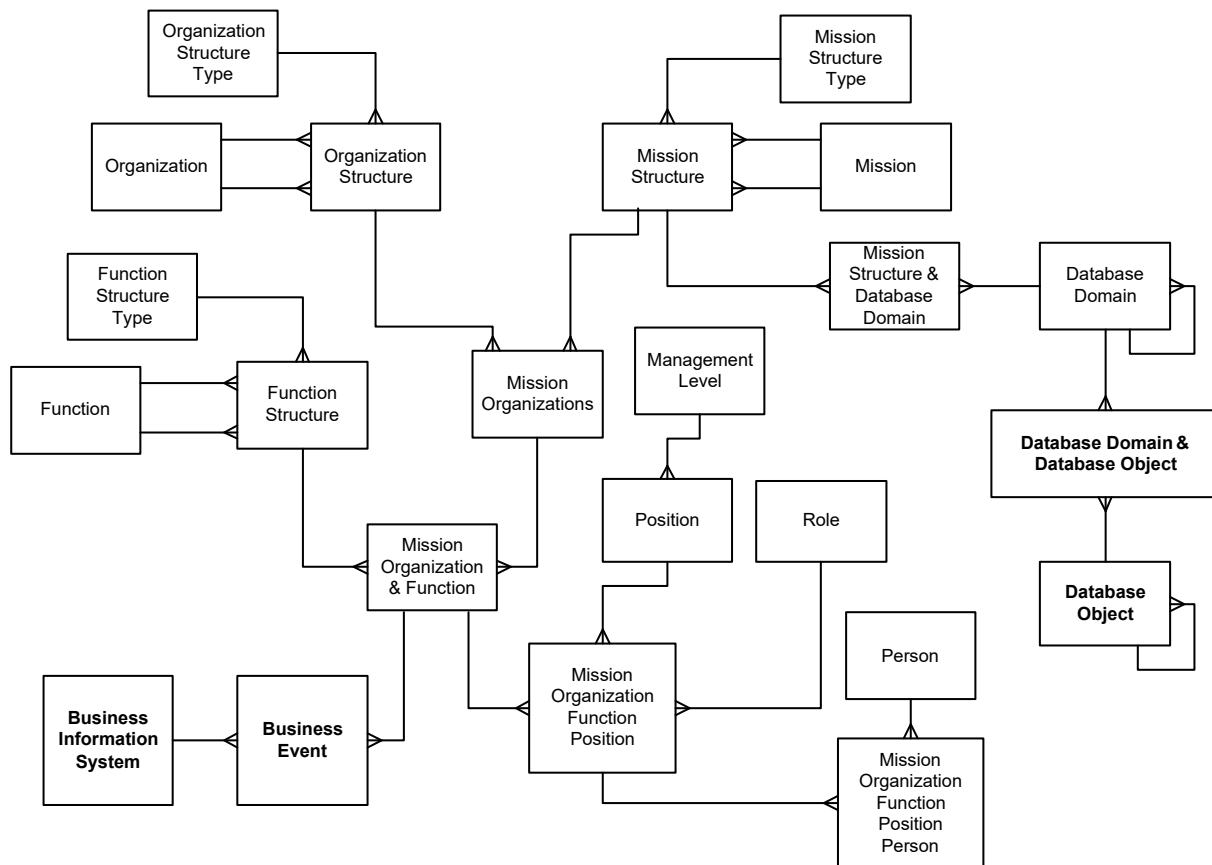


Figure 39. Missions, Organizations, Functions, Positions and Persons.



5.12.1 Missions

Figure 40 presents the screen for Missions Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Missions to be governed. If multiple items are tagged, governance records will be build, one for each Mission selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Missions are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

The screenshot shows the 'Mission Assignments' window with three main sections:

- 1) Select a Person:** A table listing personnel with columns: First, MI, Last Name, Telephone, and Email Address. Ian McClure is selected.
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, and Position. 'Diversity Support Programs' is checked, corresponding to Warehouse Operations Management, Lead, and Warehouse manager.
- 3) Tag one or more Missions:** A tree view of mission categories. 'Warehouse Operations' is selected under the 'Operations' branch.

Below these sections are buttons for 'Tag', 'Untag', 'Tag All', 'Untag All', and 'Build'. A summary table at the bottom shows the assignment details:

Start	End	Mission Organization Function Position Person	Mission
9/27/2016	/ /	Unknown	Warehouse Operations

On the right, there is a 'Mission Structure Type' dropdown (set to 'Containment'), a 'Tag Addition: Completed' status, and buttons for 'Explode Branch', 'Collapse Branch', 'Tag Row', 'Untag Row', 'Explode All', and 'Collapse All'. A detailed description of 'Warehouse operations' is provided at the bottom right.

Figure 40. Mission Governance Assignment.



5.12.2 Organizations

Figure 41 presents the screen for Organizations Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Organizations to be governed. If multiple items are tagged, governance records will be build, one for each Organization selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Organizations are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

The screenshot shows the 'Organization Assignments' window with the following sections:

- 1) Select a Person:** A table with columns: First, MI, Last Name, Telephone, Email Address.

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gamil.net
Synthia		Buckingham	123-987-39859	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2899	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Sonn.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, Position.

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager
- 3) Tag one or more Organizations:**
 - Organization Structure Types: Containment, Unknown.
 - Organization Structures: Hierarchy (The Movies Corporation, Warehouse Operations, Regional Operations, Store Operations, Corporate Operations). 'Store Operations' is selected.
 - Tag Addition: Completed.
 - Buttons: Explode Branch, Collapse Branch, Tag Row, Untag Row, Explode All, Collapse All.
 - Description: The Corporate Operations organization within the Corporation consists of a senior management staff, and a number of subordinate organizations that supports the operational aspects of the enterprise from the vantage point of the corporation as a whole.
- Build:** A button to generate the governance record.
- Table:**

Start	End	Mission Organization Function Position Person	Organization
9/27/2016	/ /	Performs Accomplishes Store Manager activities activities	Store Operations
- Name:** Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan
- Description:** Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Store Operations
- Buttons:** Change, Delete, Close, Help.

Figure 41. Organization Governance Assignment.



5.12.4 Functions

Figure 43 presents the screen for Function Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Functions to be governed. If multiple items are tagged, governance records will be build, one for each Function selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Concepts are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

The screenshot shows the 'Function Assignments' window with the following sections:

- 1) Select a Person:** A table listing people with columns: First, MI, Last Name, Telephone, Email Address.

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1394	John.Cash@MRC.Com
Chris		Date	1-408-279-2894	ChrisD@IBM.com
David		Hay	1-213-278-0181	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org
- 2) Tag One MissionOrganizationFunctionPosition:** A table with columns: Mission, Organization, Function, Position.

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager
- 3) Tag one or more Function Types:** A tree view of function types.
 - Function Structure Type: Containment, Unknown
 - Function Structure:
 - Accomplish Movie Rentals Corporation Functionality
 - Accomplish Warehouse Operations
 - Accomplish Program Management
 - Accomplish Information Technology Work Products
 - ☒ Accomplish Store Operations
 - Perform Customer Management
 - Accomplish store facility management
 - Accomplish store inventory management
 - Accomplish store operation
 - Accomplish store product management
 - Operate Stores

Buttons: Tag, Untag, Tag All, Untag All, Build, Change, Delete, Close, Help.

Summary Table:

Start	End	Mission Organization Function Position Person	Function	Name
9/27/2016	/ /	Unknown	Accomplish Store Operations	Dorothy Alderwood Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan

Figure 43. Function Governance Assignment.



5.12.5 Mission-Organization-Functions

Figure 44 presents the screen for Mission-Organization-Functions Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate business events to be governed. If multiple items are tagged, governance records will be build, one for each business event selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well. In this example, the assigned governance has to be in the context set out of a performed Function accomplished by a given Organization associated with a given Mission.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org
Mike		Moss	1-301-249-1142	MikeM@wisecorp.com

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

Unknown

Tag Untag Tag All Untag All Build

Start	End	Mission Organization Function Position Person	Mission	Organization	Function	Name
11/01/2010	/ /	Unknown	Store Operations	Store Human Resources	Plan	Dorothy Alderwood Position: Store Manager Addressing: Franchising Organization: Store Operations

Change Delete Close Help

3) Tag one or more Mission Organizations

Mission Structures

- Human Capital Management
- Operations
 - Warehouse Operations
 - Regional Operations
 - Store Operations

Explode Branch Collapse Branch Explode All Collapse All

Store operations, in very general terms relate to the efficient and effective operation of the stores that vend products to the ultimate end customer of the organization.

Organization

- Store Facilities Management
- Store Finance
- Store Human Resources
- Store Information Technology
- Store Marketing

The Store Human Resources organization consists of a manager and support staff that manages all the human resources operations at the store.

Functions

- ☒ Plan
- ☐ Review

Tag Untag Tag All Untag All

The process of planning a particular activity or event.

Description

Dorothy Alderwood Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing:

Figure 44. Mission-Organization-Function Governance Assignment.



5.12.6 Positions

Figure 45 presents the screen for Positions Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate business events to be governed. If multiple items are tagged, governance records will be build, one for each business event selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations	Management	Plan
			Store Manager

Unknown

Tag Untag Tag All Untag All

Build

3) Tag one or more Positions

Management Level	Position
<input type="checkbox"/> Line worker	Warehouse Worker
<input checked="" type="checkbox"/> Line worker	Customer Service Representative

Tag Untag Tag All Untag All

Customer Service Representative

Start	End	Mission	Organization	Function	Position	Person	Position
9/28/2016	//	Unknown			Store Manager		
9/28/2016	//	Unknown			Store Shift Leader		
9/28/2016	//	Unknown			Customer Service Representative		

Change Delete

Name

Dorothy Aldenwood Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing:

Description

Dorothy Aldenwood Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Customer Service Representative

Close Help

Figure 45. Position Governance Assignment.



5.12.7 Persons

Figure 46 presents the screen for Person Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Persons to be governed. If multiple items are tagged, governance records will be build, one for each Person selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

The screenshot shows the 'Person Assignments' window with three main sections:

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-3985	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2895	ChrisD@IBM.com
David		Hay	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations	Management	Plan
			Store Shift Leader

3) Tag one or more Persons

First	Last	Telephone	Email Address
<input checked="" type="checkbox"/> Dorothy	Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
<input checked="" type="checkbox"/> Cynthia	Buckingham	123-987-3985	Synthia.Buckingham@MyDomain.com
<input checked="" type="checkbox"/> John	Cash	1-201-555-1395	John.Cash@MRC.Com
<input type="checkbox"/> Chris	Date	1-408-279-2895	ChrisD@IBM.com
<input type="checkbox"/> David	Hay	1-213-278-0185	DaveH@StratDecisions.com
<input checked="" type="checkbox"/> Waylon	Johnson	894-873-9836	Waylon.Johnson@Song.com
<input checked="" type="checkbox"/> Harry	Jones	333-224-7782	Harry.Jones@Voodoo.com
<input type="checkbox"/> Ian	McClure	333-897-3654	Ian.McClure@mike.org
<input type="checkbox"/> Mike	Moss	1-301-249-1114	MikeM@wiscorp.com
<input type="checkbox"/> Jennifer	Overbrook	650-387-4987	Jennifer.Overbrook@bowie.or
<input type="checkbox"/> Mary	Smith	398-286-3530	Mary.Smith@usa.gov
<input type="checkbox"/> UNKNOWN	UNKNOWN	123-456-7890	unknown@unknown.com
<input type="checkbox"/> John	Wildwood	308-289-4893	John.Wildwood@wood.com

Buttons: Tag, Untag, Tag All, Untag All

Build

Start	End	Mission	Organization	Function	Position	Person	First Name	Last Name
9/28/2016	//		Unknown				Harry	Jones
9/28/2016	//		Unknown				Dorothy	Alderwood
9/28/2016	//		Unknown				Synthia	Buckingham
9/28/2016	//		Unknown				John	Cash
9/28/2016	//		Unknown				Waylon	Johnson

Buttons: Tag, Untag, Tag All, Untag All

Change Delete

Close Help

Name
 Cynthia Buckingham Position: Store Shift Leader Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Management Performing: Plan Governing: Harry Jones

Description
 Cynthia Buckingham Position: Store Shift Leader Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Harry Jones

Figure 46. Person Governance Assignment.



5.13 Project Management Governance

Operational Data Model governance address the following work products:

- Project Templates
- Deliverable Templates
- Task Templates
- Skills
- Work Environment Factors

Figure 47 presents the data model associated with all the Project Management work products.

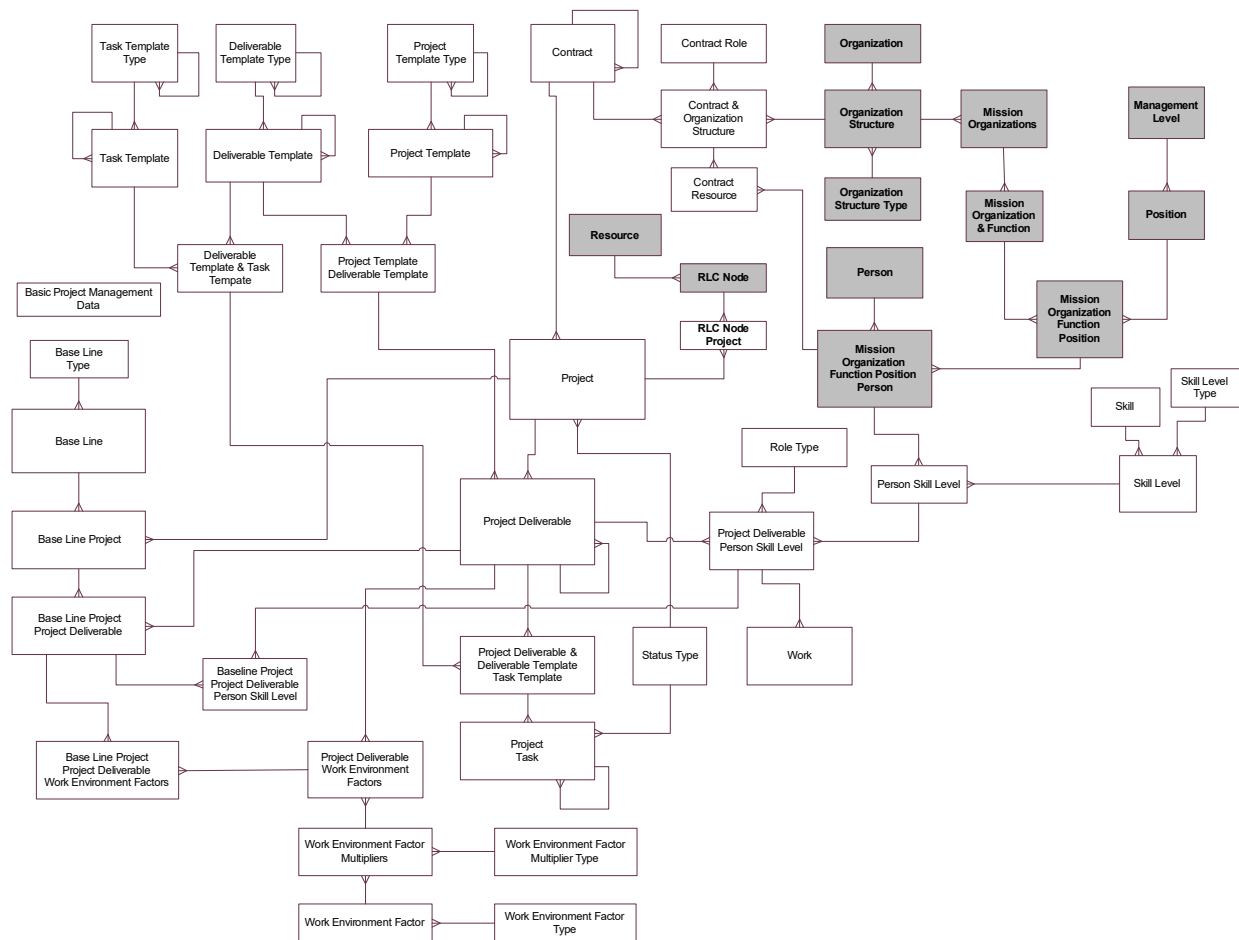


Figure 47. Project Management Data Model.



5.13.1 Project Templates

Figure 48 presents the screen for Project Template Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2895	ChrisD@IBM.com
David		Hay	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Technic	Data Management

To be described

Tag Untag Tag All Untag All

Build

3) Tag one or more Project Templates

Project Template Type

- Hierarchy
 - Administration and Management Projects
 - Binding Projects
 - Conceptual Specification Projects
 - Conversion and Deployment
 - Enterprise Architectures

Explode Branch Collapse Branch Explode All Collapse All

Project Templates

- ☒ Logical Database
 - 1 Data Integrity Model
 - 1 Database Domains
 - 2 Data Element Model
 - 3 Specified Data Model
 - 4 Database Objects
 - 5 Data Warehouse Models

Tag Addition: Completed

Explode Branch Collapse Branch Tag Row Untag Row

Explode All Collapse All

Unknown

Start	End	Mission Organization Function Position Person	Project Template
9/28/2016	//	Accomplishes Data Management functions	Logical Database
9/28/2016	//	Accomplishes Data Management functions	Physical Database
9/28/2016	//	Accomplishes Data Management functions	Interrogation
9/28/2016	//	Accomplishes Data Management functions	System Control
9/28/2016	//	Accomplishes Data Management functions	Prototyping

Change Delete

Name

Chris Date Position: Data Management
Addressing: Data Management Organization:
Information Technology Performing:
Accomplish Information Technology Work

Description

Chris Date Position: Data Management
Addressing: Data Management Organization:
Information Technology Performing:
Accomplish Information Technology Work
Products Governing: Prototyping

Close Help

Figure 48. Project Template Governance Assignment.

the appropriate Project Templates to be governed. If multiple items are tagged, governance records will be build, one for each Project Template selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Project Templates are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.



5.13.2 Deliverable Templates

Figure 49 presents the screen for Deliverable Template Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Deliverable Templates to be governed. If multiple items are tagged, governance records will be build, one for each Deliverable Template selected.

The screenshot shows the 'Deliverable Template Assignments' window with the following sections:

- 1) Select a Person:** A table listing personnel with columns: First, MI, Last Name, Telephone, and Email Address. The row for Waylon Johnson is selected.
- 2) Tag One Mission Organization Function Position:** A table with columns: Mission, Organization, Function, and Position. The row for 'Franchising' under 'Store Operations Management' is selected.
- 3) Tag one or more Deliverable Templates:** A tree view showing a hierarchy of deliverable templates. 'Business Event Objects' is selected.
- Build:** A button to generate the governance record.
- Results Table:** A table with columns: Start, End, Mission Organization Function Position Person, and Deliverable Template. It shows a record for '9/28/2016' assigned to 'Waylon Johnson' for 'Business Event Objects'.
- Details:** A section showing the 'Name' and 'Description' of the selected assignment.

Figure 49. Deliverable Template Governance Assignment.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

Deliverable Templates are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.



5.13.3 Task Templates

Figure 50 presents the screen for Task Templates Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Task Templates to be governed. If multiple items are tagged, governance records will be build, one for each Task Template selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

TaskTemplate Assignments

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8985	Dorothy.Aldenwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1399	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Hany		Jones	333-224-7782	Hany.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

To be described

Start	End	Mission Organization Function Position Person	Task Template
9/28/2016	/ /	Performs Accomplishes Store Manager activities as	Create high-level business function submodel

3) Tag one or more Task Templates

Task Template Type

- Form Phase Team
- Requirements
- Mission Model
- Information Systems Planning
- Prepare Phase Report
- Conceptual Specification Phase
- Binding Phase
- Implementation Phase

Task Templates

- ☐ 1 Create high-level business organization submodel
- ☐ 2 Create business mission submodel
- ☒ 3 Create high-level business function submodel
 - ☐ 1 Succinctly create business function in business policy terms
 - ☐ 2 Partition business function into sufficient stand alone subord
 - ☐ 3 Enter subordinate business functions into metabase system
 - ☐ 4 Create high-level business function diagram
- ☐ 4 Create database domain submodel

To be described

Name

Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan

Description

Waylon Johnson Position: Store Manager Addressing: Franchising Organization: Store Operations Management Performing: Plan Governing: Create high-level business function submodel

Figure 50. Task Template Governance Assignment.

Task Templates are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.



5.13.4 Skills

Figure 51 presents the screen for Skills Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate business events to be governed. If multiple items are tagged, governance records will be build, one for each business event selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Aldenwood	303-249-8995	Dorothy.Aldenwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2891	ChrisD@IBM.com
David		Hay	1-213-278-0181	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Techno	Data Management

To be described

3) Tag one or more Skills

Skills
<input checked="" type="checkbox"/> Data Administration
<input type="checkbox"/> Data Quality Control
<input checked="" type="checkbox"/> Database Administration
<input type="checkbox"/> Documentation
<input type="checkbox"/> Editing
<input checked="" type="checkbox"/> Implemented Data Model Design
<input type="checkbox"/> Operational Data Model Design
<input type="checkbox"/> Program Management
<input type="checkbox"/> Programming
<input type="checkbox"/> Quality Assurance and Quality Control
<input type="checkbox"/> Requirements Analysis
<input checked="" type="checkbox"/> Specified Data Model Design
<input type="checkbox"/> Systems Analysis
<input type="checkbox"/> Teaching
<input type="checkbox"/> Testing
<input type="checkbox"/> Training Program Development
<input type="checkbox"/> Unknown

Tag Untag Tag All Untag All

Unknown

Build

Start	End	Mission Organization Function Position Person	Skills
9/28/2016	//	Accomplishes Data Management functions	Specified Data Model Design
9/28/2016	//	Accomplishes Data Management functions	Data Administration
9/28/2016	//	Accomplishes Data Management functions	Database Administration
9/28/2016	//	Accomplishes Data Management functions	Implemented Data Model Design

Change Delete

Name

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information

Description

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work: Products Governing:
Specified Data Model Design

Close Help

Figure 51. Skills Governance Assignment.



5.13.5 Work Environment Factors

Figure 51 presents the screen for Work Environment Factors Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Work Environment Factor to be governed. If multiple items are tagged, governance records will be build, one for each Work Environment Factor selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Hay	1-408-279-2895	ChrisD@IBM.com
David		Johnson	1-213-278-0185	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One Mission Organization Function Position

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Data Management	Information Technology	Accomplish Information Technic	Data Management

To be described

Tag Untag Tag All Untag All

Build

3) Tag one or more Work Environment Factors

Work Environment Factor Type Name(+)

- ☒ Client reviews
- ☐ Equipment available
- ☐ Equipment outages
- ☐ Extent of user contact
- ☐ Unknown

Work Environment Factor Name(+)

- ☐ No effect
- ☐ Reviews are conducted but by inexperienced reviewers
- ☐ Reviews are generally not conducted
- ☒ Reviews conducted in an acceptable manner and frequency

Tag Untag Tag All Untag All

Unknown

Name

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information

Description

Chris Date Position: Data Management
Addressing: Data Management
Organization: Information Technology
Performing: Accomplish Information
Technology Work Products Governing:
Reviews conducted in an acceptable

Change Delete

Close Help

Start	End	Mission Organization Function Position Person	Work Environment Factor Name
9/28/2016	//	Accomplishes Data Management functions	Reviews conducted in an acceptable manner and fre
9/28/2016	//	Accomplishes Data Management functions	Workstations connected with shared metabase syst
9/28/2016	//	Accomplishes Data Management functions	For each hour below the average of six that the equip
9/28/2016	//	Accomplishes Data Management functions	Users are available but only within 2 business days of

Figure 52. Work Environment Factor Governance Assignment.



5.14 Resources Governance

Figure 53 presents the screen for Resources Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Resources to be governed. If multiple items are tagged, governance records will be build, one for each Resource selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gmail.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

Unknown

Tag Untag Tag All Untag All Build

3) Tag one or more Resources

Resource Type[+]

- Contract
- Movie Rental Experience
- Organizations
- Persons
- Property

Resources

- Hierarchy
 - 1 Warehouse
 - 2 Region
 - ☒ 3 Corporate
 - 4 Vendor
 - 1 Hardware
 - 2 Software

Explode Branch Collapse Branch Tag Row Untag Row

Explode All Collapse All

A corporation organization is one that procures a product or service from a vendor, or is one that performs a process within the enterprise.

Seq Resource Life Cycle Node

- 1 Required Corporate Organization
- 2 Proposed Corporate Organization
- 3 Operating Corporate Organization
- 4 Not Operating Corporate Organization

Name

Dorothy Alderwood Position: Store Manager
Addressing: Franchising Organization: Store
Operations Management Performing: Plan
Governing: Corporate

Description

Dorothy Alderwood Position: Store Manager
Addressing: Franchising Organization: Store
Operations Management Performing: Plan
Governing: Corporate

Change Delete Close Help

Start	End	Mission Organization Function Position Person	Resource
9/28/2016	/ /	Unknown	Corporate

Figure 53. Resources Governance Assignment.



5.15 User Acceptance Test Governance

Figure 54 presents the screen for User Acceptance Test Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate User Acceptance Test to be governed. If multiple items are tagged, governance records will be build, one for each User Acceptance Test selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well.

User Acceptance Tests are able to be configured into hierarchical structures. When this work product is governed, all its subordinate user acceptance tests are governed through that governance assignment. Additionally, each User Acceptance Test Step is also governed by reference. User Acceptance Test Steps are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader

3) Tag one or more User Acceptance Tests

User Acceptance Tests

- Hierarchy
 - ☒ 1 Unknown
 - ☒ 1 UNKNOWN2

Exploade Branch Collapse Branch Tag Row Untag Row

Exploade All Collapse All

UNKNOWN2

Tag Untag Tag All Untag All

Build

Start	End	Mission Organization Function Position Person	User Acceptance Test
-------	-----	-----------------------------------------------	----------------------

Change Delete

Close Help

Figure 54. User Acceptance Test Governance Assignment.



5.16 Use Cases

Use Case governance address the following work products:

- Use Cases
- Use Case Actors
- Use Case Events

Figure 55 presents the data model associated with all the Use Case work products.

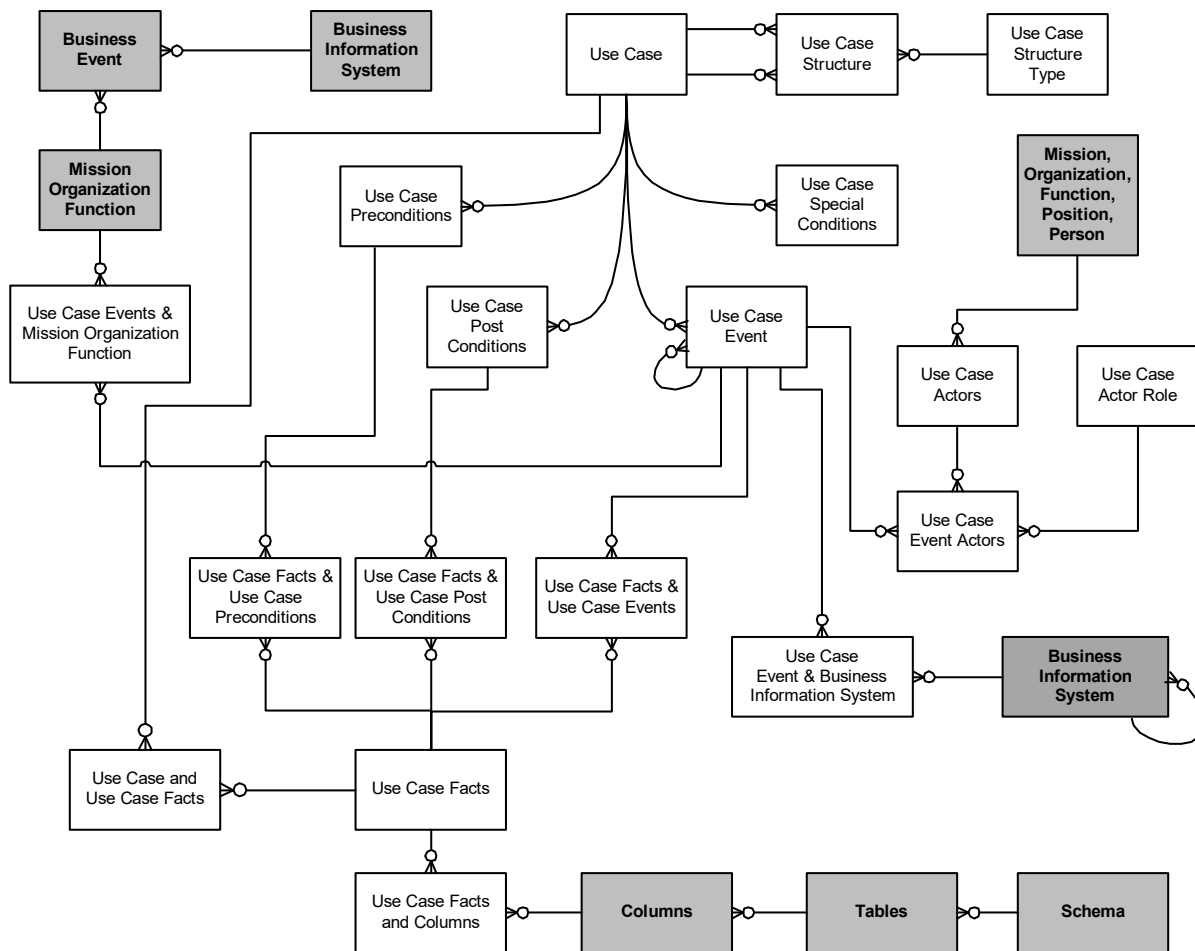


Figure 55. Use Case Data Model.



5.16.1 Use Cases

Figure 56 presents the screen for Use Case Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Use Cases to be governed. If multiple items are tagged, governance records will be build, one for each Use Case selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

Use Cases are able to be configured within network structures. When this work product is governed, all its uses in however many networks are governed through that governance assignment.

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Dorothy		Alderwood	303-249-8985	Dorothy.Alderwood@gamil.net
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1394	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input type="checkbox"/> Franchising	Store Operations Management	Plan	Store Shift Leader
<input checked="" type="checkbox"/> Franchising	Store Operations Management	Plan	Store Manager

3) Tag one or more Use Cases

Use Cases
<input type="checkbox"/> Assess Movie Rental Membership
<input type="checkbox"/> Existing Membership Termination
<input checked="" type="checkbox"/> Membership Status Change
<input checked="" type="checkbox"/> Membership Status Determination
<input checked="" type="checkbox"/> Movie Rental Charges Computation
<input checked="" type="checkbox"/> Movie Rental Credits
<input checked="" type="checkbox"/> Movie Rental Late Notice
<input checked="" type="checkbox"/> Movie Rental Membership Management
<input checked="" type="checkbox"/> Movie Rental Payment Receipt
<input checked="" type="checkbox"/> Movie Rental Return
<input checked="" type="checkbox"/> Movie Rental Transactions
<input type="checkbox"/> New Membership Approval
<input type="checkbox"/> New Membership Request

The Movie Rental Transactions use case addresses the activities associated with all the transactions for rental of a movie, return of a movie, payment receipts, credits, and the like.

Tag Untag Tag All Untag All

Build

Start	End	Mission Organization Function Position Person	Use Case
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Return
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Late Notice
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Charges Computation
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Payment Receipt
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Credits
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Membership Management
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Movie Rental Transactions
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Existing Membership Termination
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Membership Status Determination
9/29/2016	//	Performs Accomplishes Store Manager activities activities	Membership Status Change

Change Delete

Name

Waylon Johnson Position: Store Manager
Addressing: Franchising Organization:
Store Operations Management
Performing: Plan Governing: Movie
Rental Return

Description

Waylon Johnson Position: Store Manager
Addressing: Franchising Organization:
Store Operations Management
Performing: Plan Governing: Movie
Rental Return

Close Help

Figure 56. User Case Governance Acceptance.



5.16.2 Use Case Actors

Figure 57 presents the screen for Use Case Actors Governance assignment. The left side of the window is explained in Section 5.4. On the right side of the window, identify, select, and tag all the appropriate Use Case Actors to be governed. If multiple items are tagged, governance records will be build, one for each Use Case Actor selected.

The build process of the governance and updates to the constructed governance record are explained in Section 5.4 as well

1) Select a Person

First	MI	Last Name	Telephone	Email Address
Synthia		Buckingham	123-987-39858	Synthia.Buckingham@MyDomain.com
John		Cash	1-201-555-1395	John.Cash@MRC.Com
Chris		Date	1-408-279-2898	ChrisD@IBM.com
David		Hay	1-213-278-0188	DaveH@StratDecisions.com
Waylon		Johnson	894-873-9836	Waylon.Johnson@Song.com
Harry		Jones	333-224-7782	Harry.Jones@Voodoo.com
Ian		McClure	333-897-3654	Ian.McClure@mike.org
Mike		Moss	1-301-249-114	MikeM@wiscorp.com

2) Tag One MissionOrganizationFunctionPosition

Mission	Organization	Function	Position
<input checked="" type="checkbox"/>	Program Management	Program Management Office	Accomplish Program Management Project Manager

To be described

Tag Untag Tag All Untag All Build

3) Tag one or more Use Case Actors

Mission	Organization	Function
Diversity Support Program	Warehouse Operations	Accomplish Warehouse
Diversity Support Program	Warehouse Operations	N Plan
Diversity Support Program	Warehouse Operations	Lead
Finance Management	Corporate Facilities Management	Accomplish Warehouse

Position
Warehouse manager

First	Last	Telephone	Email Address
Ian	McClure	333-897-3654	Ian.McClure@mike.org

Use Case Actor Assignments

Start	End
<input checked="" type="checkbox"/>	12/26/2010 12/26/2010

Tag Untag Tag All Untag All

Start	End	Mission Organization Function Position Person	Actor & Organization
9/29/2016	/ /	Accomplishes Program Management functions	Ian McClure Warehouse Operations Management

Change Delete

Name

Mike Moss Position: Project Manager
Addressing: Program Management
Organization: Program Management Office
Performing: Accomplish Program Management Governing: StartDate: 12/26/2010 EndDate: 12/26/2010

Description

Mike Moss Position: Project Manager
Addressing: Program Management
Organization: Program Management Office
Performing: Accomplish Program Management Governing: StartDate: 12/26/2010 EndDate: 12/26/2010

Close Help

Figure 57. Use Case Actor Governance Assignment.



