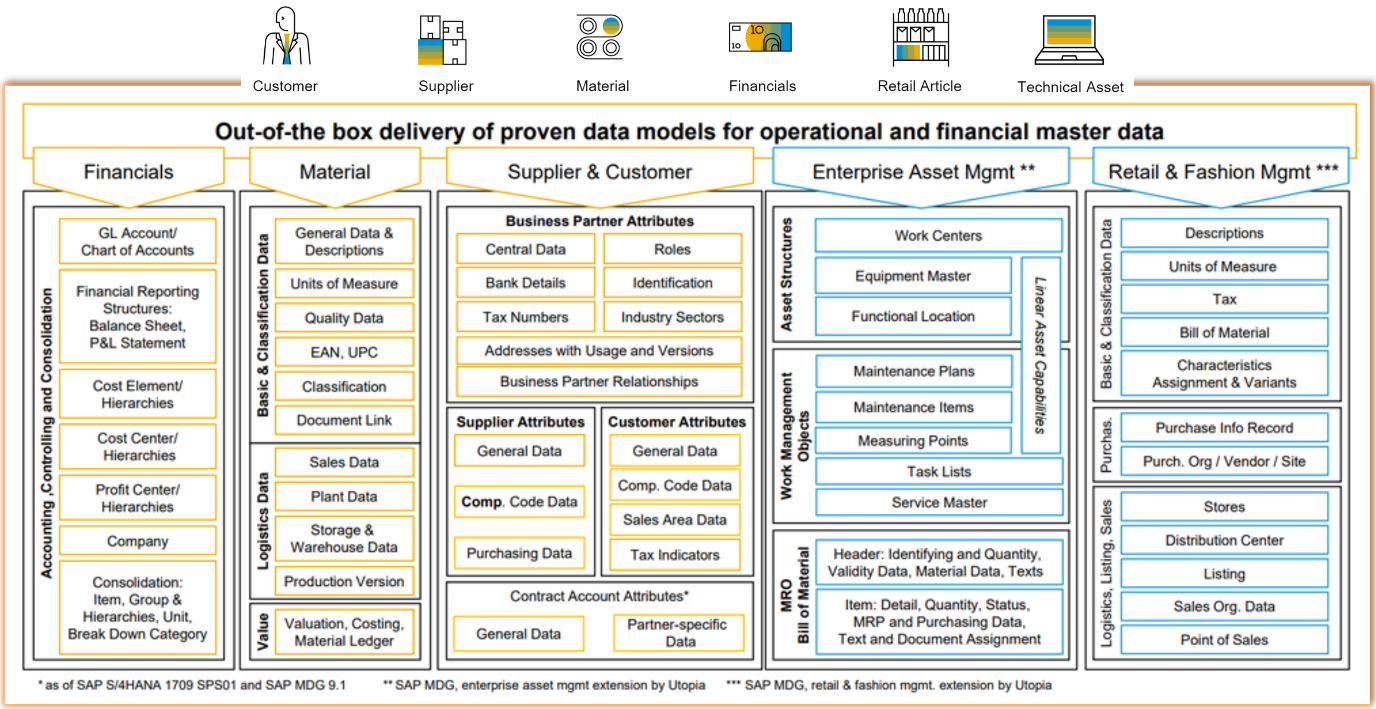
SAP MDG Online Training

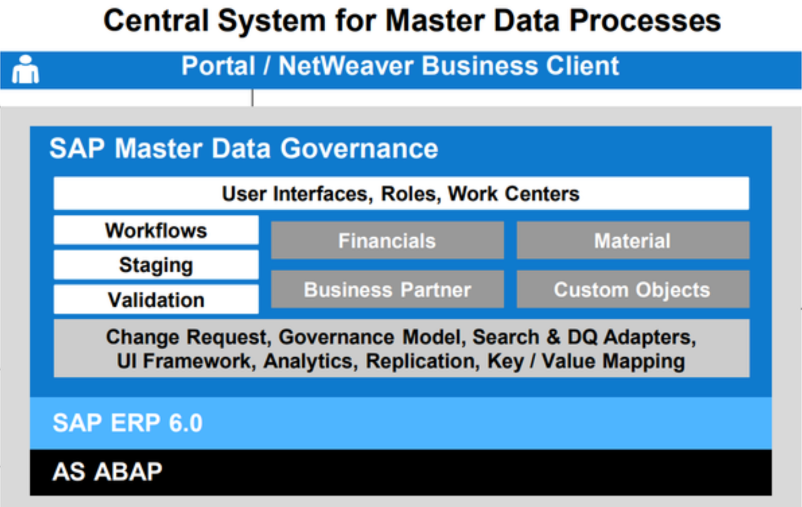
|  |  |
| --- | --- |
| **Clock** | **You need to spend 40-45 hours to learn SAP MDG from our Trainer.** |
| **Head with gears** | ***What can you expect from us by End-of-the-Course?***   * Real-Time Oriented Training * Study Materials * Assignments and Real-Time scenarios * Mock Interviews and Resume preparation |
| **Target Audience** | ***Target Audience (If Technical) are with the below skills:***   * Basic understanding of SAP * Core ABAP (RICEFW Objects) and OOABAP * Enhancement Framework * IDOCs (Good to have) * Basic understanding of Webdynpro ABAP or FPM (Good to have)   *If you don’t have above skills, don’t worry. We can provide you the Live Session Recordings to gain the required knowledge and will assist.* |

# 

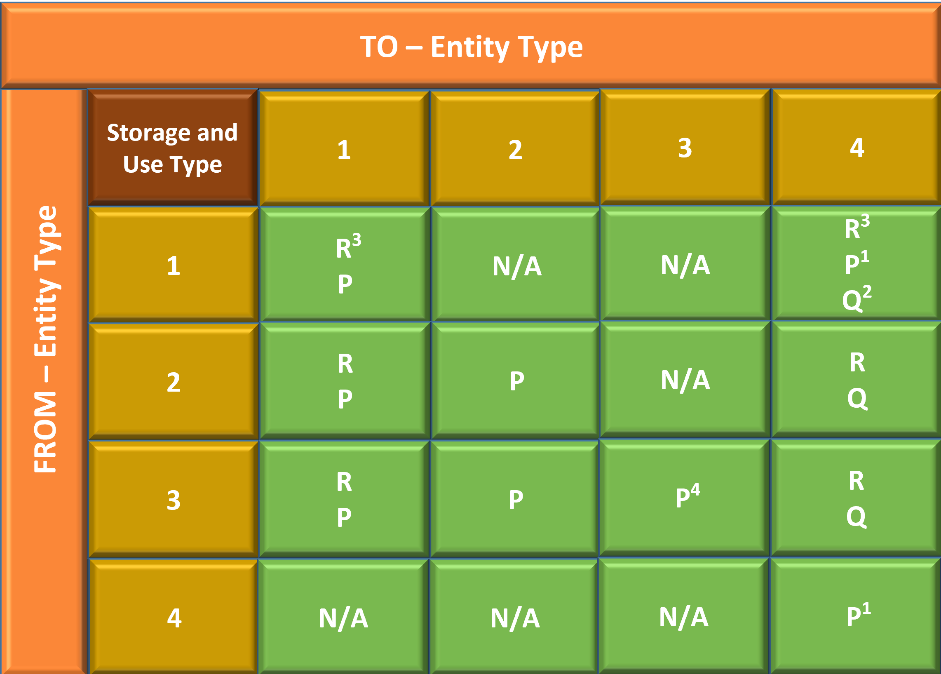
# Unit 1: Getting started with SAP Master Data Governance (MDG)

* SAP MDG Overview
  + Introduction to MDG
  + SAP MDG Capabilities and Use Cases
  + User Interfaces of MDG
* MDG Architecture
* Deployment options
  + Hub Option
  + Co-Deployment Option
* MDG Storage Areas
* Flex Vs Re-use
* A Typical Governance process flow in MDG
* Business Processes in MDG
* Understanding of Out-of-the-box domains
  + Finance
  + Supplier
  + Material
  + Customer
  + Business Partner
  + Enterprise Asset Management (EAM)

# Unit 2: Baseline Configurations

* Version Identification
  + MDG on ECC
  + MDG on S/4 HANA
* Installed Components
* Business Functions Activation for various domains
* Business Configuration Set (BC Set) Activation
  + Understanding BC Sets
  + BC Sets Activation
  + Validate the BC Set Status
  + BC Set Activation Logs
* Pre-Requisites to use MDG Workflows
  + Activate Event Type Linkage
  + Configure Workflow Tasks
  + Validate SWU3 Configuration
* Activate Data Model and Adjust Staging
* System Validation
* Validating various business processes
* Understanding MDG Authorizations and Roles
* Assigning User Specific Roles in MDG

# Unit 3: Data Modeling

* Introduction
* Data Model Configuration Activities
  + Define Business Object Type Codes
  + Define Prefixes for Internal Key Assignment
  + Edit Data Model
  + Define Authorization Relevance per Entity Type
  + Generate Data Model Specific Structures
* Entity Types and Attributes
  + SU Type 1 Entity
  + SU Type 2 Entity
  + SU Type 3 Entity
  + SU Type 4 Entity
* Entity Relationship Types
  + Leading Relationship
  + Qualifying Relationship
  + Referencing Relationship
  + Foreign Key Relationship
* Reuse Active Area
* Extend Data Model by **New Entity Types** / **New Attributes to Existing Entity Types**

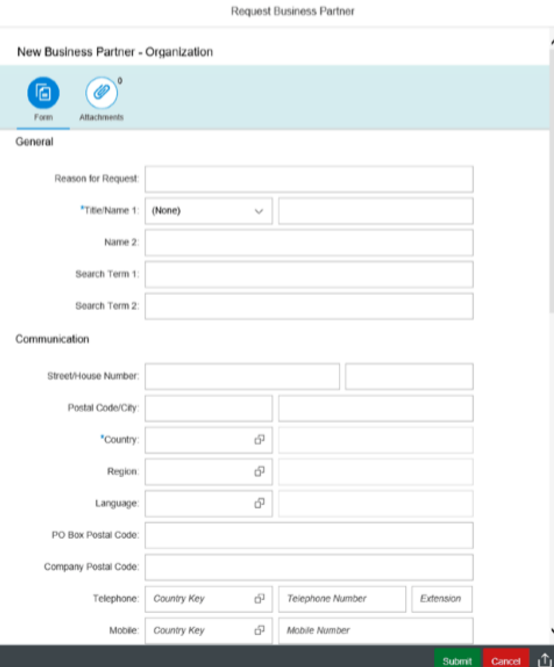
# Unit 4: Service Mapping Tools (SMT)

* Introduction
* Mapping step with Multiple Source Structures
* Field mapping (Simple Transformation)
  + Conversion Classes
* Complex Transformation
  + Transformation Methods
  + Fields Checks
  + Condition Methods
* Calling SMT in ABAP programs
* Extend SMT Mappings

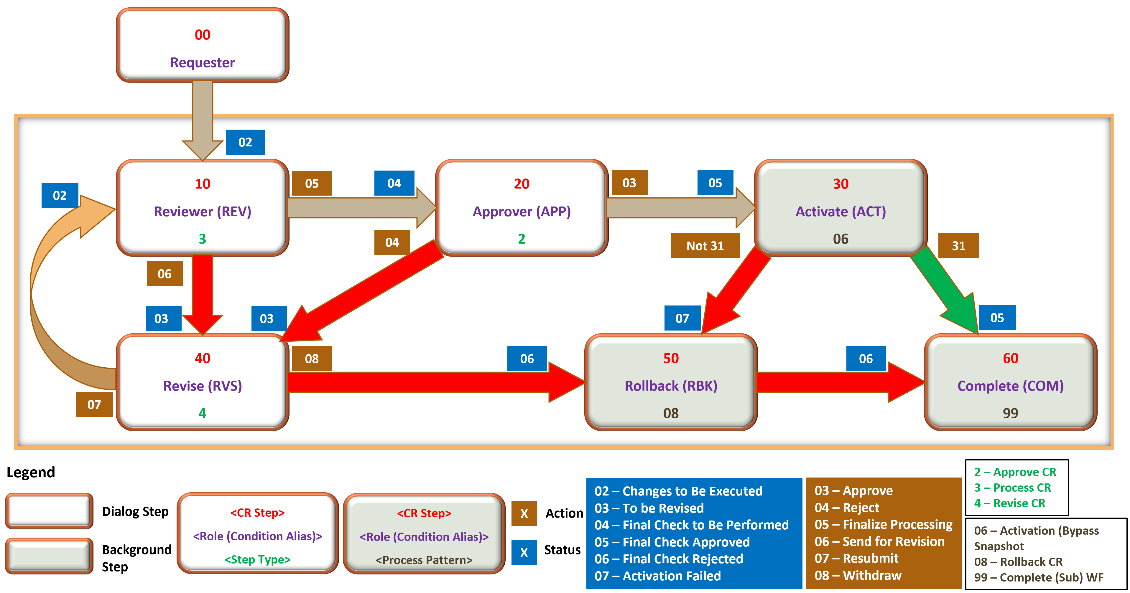
# Unit 5: Data Quality and Check

* Types of Search Applications
* Duplicate check configuration
* Match profile configuration
* Define Search Views
* Validations and Derivations using **“USMD\_RULE\_SERVICE”** BAdI
  + Same-Entity and Cross-Entity Validation
  + Same-Entity Derivation
* Cross entity derivation using **“USMD\_RULE\_SERVICE\_CROSS\_ET”** BAdI

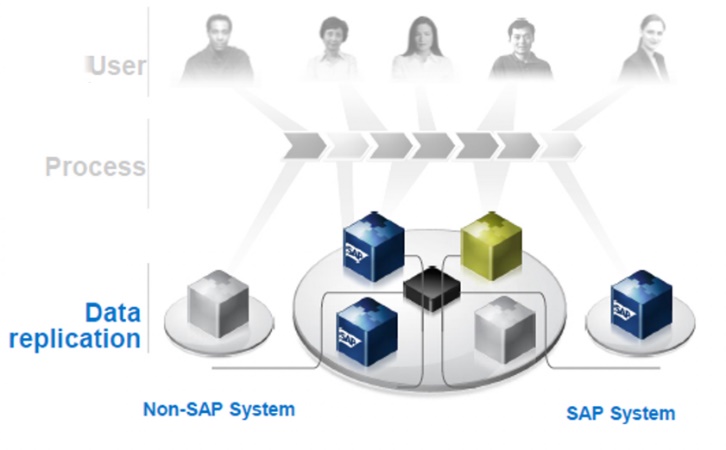
# Unit 6: User Interface (UI) Modeling

* Introduction
* Floor plan Manger (FPM) Basics
  + Introduction to FPM
  + Getting started with FLUID
  + Create Simple FPM Application
  + Various Floor Plans
  + Understanding Feeder Class
* Understanding MDG UI Framework
* UI Configuration Activities
  + Manage UI Configuration
  + Define Field Properties
  + Define available UI Applications
  + Define and Assign Print forms for SOP
  + BADIs for UI modelling
* Extend the UI as per user defined criteria
  + Customizing
  + Enhancement
  + CBA (Context Based Adaptation)
  + Deep-Copy
  + How to choose the right technique?

# Unit 7: Process Modeling

* Introduction
* Define Governance Scope
* Business Activity
* Change Request Type configurations
  + Create new Change Request type
  + Edit Statuses of Change Request
  + Configure properties of Change Request Step
  + Define Step Types of Actions
* Rule based workflow (RBWF)
  + Introduction
  + Decision Tables
    - Single Value Decision Table
    - User Agent Decision Table
    - Non-User Agent Decision Table
  + Configure RBWF for custom / standard CR Type
* Other MDG Workflows
* BAdI’s for Customizing RBWF
  + Parallel result Handler BAdI
  + Dynamic Agent Selection BAdI
  + Context BAdI
  + System Caller BAdI

# Unit 8: Data Replication Framework (DRF)

* **Introduction
* Different ways to Replicate the Master Data
* Outbound Implementation
* Understanding Outbound Implementation Class
* Filter Criteria
* Replication Model Configuration
* Replication Modes
* Manual & Automatic replication
* Replication Logs
* Configure Replication using SOA service (Optional)
* Key Mapping, Value Mapping

# Unit 9: Data Import Framework (DIF)

* Introduction
* Configuring File Paths (Source / Archive Paths )
* Linking File paths to BO types
* Import using XML & CSV files
* Data Import Monitoring
* BAdI for File conversions

# Unit 10: Enriching MDG Standard Code/Features to User Requirement

* Introduction
* Custom Data Model Creation (Flex and Reuse Models)
* Custom FPM UI application
* Custom Search Application
* SOP UI Application
* Creating User roles for various business Processes

