

PHD for Product and Company Identification (GV-07 Logical Data Model Subject Area)
 System Architect
 Sun Jun 18, 2006 11:35
 -Comment-
 This diagram depicts the product hazard data that identifies the materials (substances and objects) that make up a product, links the product to the document that is its Material Safety Data Sheet (MSDS), identifies the manufacturer and provider of the product, and shows their contact information.

Product Hazard Data for Product and Company Identification

ACQUISITION-ELEMENT-TYPE
Acquisition_Element_Type_Identifier
Acquisition_Element_Type_Category_Code
Acquisition_Element_Type_Name
Acquisition_Element_Type_Description_Text
-Business Description-
A categorization of an acquisition element (i.e., something acquired by the DoD) that identifies its general classification (i.e., real property, material, utility, service, or financing).

MATERIEL-CATALOG-ITEM-COMPONENT
Primary_Materiel_Catalog_Item_Identifier - Materiel_Catalog_Item_Identifier (FK)
Component_Materiel_Catalog_Item - Materiel_Catalog_Item_Identifier (FK)
Materiel_Catalog_Item_Component_Quantity
-Business Description-
A non-expendable item of material which is installed or affixed to material catalog item. It must be integral to the functioning of the main unit and not have the capacity to stand alone. Examples: memory board for a computer and probe for a photo ionizer. Adapted from Federal Materiel Management Desk Reference definition for "Component Part".

ORGANIZATION-IDENTIFICATION-TYPE
Organization_Identifier_Type_Code
Organization_Identifier_Type_Description_Text
-Business Description-
A specific kind of alternate labeling applied to ORGANIZATIONS.

MATERIEL-ELEMENT-TYPE
Acquisition_Element_Type_Identifier (FK)
Materiel_Element_Type_EPA_Designated_Product_Indicator
United_Nations_Standard_Products_and_Services_Class_Identifier (FK)
National_Stock_Number
North_American_Industrial_Classification_Identifier (FK)
-Business Description-
A categorization of an acquisition element (i.e., something acquired by the DoD) that identifies a type of materiel (equipment, apparatus, or supplies) that might be acquired by the DoD from an external supplier or that might be sold between DoD organizations.

MATERIEL-CATALOG-ITEM
Materiel_Catalog_Item_Identifier
Materiel_Catalog_Item_Unique_Identifier
Materiel_Catalog_Item_Description_Text
Materiel_Catalog_Item_Estimated_Useful_Life_Code
Materiel_Catalog_Item_Unit_Of_Issue_Code
Materiel_Catalog_Item_Manufacturer_Part_Number
Materiel_Catalog_Item_Bill_Materiel_Indicator
Materiel_Catalog_Item_Stratification_Code
Materiel_Catalog_Item_Specification_Text
Property_Plant_Equipment_Indicator_Code
Warranty_Type_Code
Depreciation_Plan_Identifier (FK)
Acquisition_Element_Type_Identifier (FK)
Supply_Class_Code (FK)
Manufacturer_Identifier - Organization_Unique_Identifier (FK)
-Business Description-
A specific materiel item that can be purchased or produced by the DoD, unique either by composition (i.e., a computer configuration) or container (i.e., Pepsi in 12oz. can vs. 20oz bottle).

SUPPLIER-MATERIEL-CATALOG-ITEM
Organization_Role_Start_Date (FK)
Organization_Unique_Identifier (FK)
Organization_Role_Category_Code (FK)
Materiel_Catalog_Item_Identifier (FK)
-Business Description-
A specific inventory item, unique either by composition (i.e., a computer configuration) or container (i.e., Pepsi in a 12oz. can vs. a 20oz bottle), that can be purchased from or produced by a private sector supplier.

ORGANIZATION-IDENTIFICATION
Designated_Organization_Unique_Identifier - Organization_Unique_Identifier (FK)
Organization_Identifier_Type_Code (FK)
Organization_Identifier_Begin_Calendar_Date
Designating_Organization_Unique_Identifier - Organization_Unique_Identifier (FK)
Organization_Identifier_Assigned_Identifier
Organization_Identifier_End_Calendar_Date
-Business Description-
An alternate labeling assigned to an ORGANIZATION.

LOCATION-ORGANIZATION
Location_Identifier (FK)
Organization_Unique_Identifier (FK)
Location_Organization_Role_Code
Location_Organization_Start_Date
Location_Organization_Stop_Date
-Business Description-
A particular place, point, or geographic area in which an ORGANIZATION has an administrative or operational association.

LOCATION
Location_Identifier
Location_Name
Location_Description_Text
Location_Start_Date
Location_Stop_Date
Location_Role_Type_Code
Location_Directions_Text
-Business Description-
A place of interest to DoD. It may be associated to a geo-political area such as an address, city, county, country, etc. It may be associated to a geo-physical area such as a point (latitude and longitude), or a collection of points (circumference, area).

DOCUMENT
Document_Identifier (AK1)
Document_Name
Document_Routing_Code
Document_Type_Code
Document_Calendar_Date
Document_Description_Text
Document_Number
Document_Version_Number
Document_Publication_Date
Document_Effective_Date
Document_Image
-Business Description-
Recorded information regardless of physical form.

MATERIEL-CATALOG-ITEM-MATERIAL-PERIOD
Materiel_Catalog_Item_Identifier (FK)
Materiel_Identifier (FK)
Materiel_Catalog_Item_Material_Period_Start_Date
Materiel_Catalog_Item_Material_Period_Stop_Date
-Business Description-
A contiguous time when the characteristics of the related MATERIAL are approved, authorized, or acknowledged to encompass the characteristics set forth in related MATERIEL-CATALOG-ITEM.

MATERIEL-ASSET
Materiel_Asset_Identifier - Property_Identifier (FK)
Materiel_Asset_Serial_Number
Materiel_Asset_Batch_Number
Item_Unique_Identifier
Materiel_Asset_Category_Code
SFIS_Asset_Type_Code (FK)
Materiel_Catalog_Item_Identifier (FK)
Materiel_Identifier (FK)
Materiel_Manufacture_Lot_Identifier (FK)
Organization_Unique_Identifier (FK)
-Business Description-
A government-owned uniquely identified item that is not intended for sale in the normal course of operations, that is intended for use or is available for use by the Department of Defense, and related agencies or services. A serialized item that is not intended for sale in the normal course of operations, but is intended for use or is available for use by the services.

ORGANIZATION
Organization_Unique_Identifier
Organization_Name
Organization_Description_Text
Organization_Category_Code
Organization_Primary_Industry_Category_Code
Organization_Primary_Activity_Code
Organization_Electronic_Fund_Transfer_Account_Number
Organization_Tax_Identifier
Organization_Classification_Code
Organization_Duration_Type_Code
Organization_DUNS_Number
-Business Description-
An administrative structure with a mission.

LOCATION-GEOPOLITICAL-SPATIAL-AREA
Location_Identifier (FK)
Geopolitical_Spatial_Area_Identifier (FK)
Location_Geopolitical_Spatial_Area_Role_Code
Location_Geopolitical_Spatial_Area_Category_Code
-Business Description-
A relationship between a LOCATION and a GEOPOLITICAL-SPATIAL-AREA.

LOCATION-GEOPOLITICAL-SPATIAL-AREA
Geopolitical_Spatial_Area_Identifier
Geopolitical_Spatial_Area_Name
Geopolitical_Spatial_Area_Description_Text
Geopolitical_Spatial_Area_Category_Code
Geopolitical_Spatial_Area_Effective_Start_Date
Geopolitical_Spatial_Area_Effective_Stop_Date
-Business Description-
A region that may be under the administrative jurisdiction of a governmental authority, or that may serve other purposes as established by law.

MATERIAL-DOCUMENT
Document_Identifier (FK)
Materiel_Identifier (FK)
Materiel_Document_Start_Date
Materiel_Document_Stop_Date
-Business Description-
A DOCUMENT that applies to a MATERIAL.

MATERIAL
Materiel_Identifier
Materiel_Appearance_Details_Text
Materiel_Appearance_Summary_Text
Materiel_Comments_Text
Materiel_Hazards_Emergency_Overview_Text
Materiel_Lot_Batch_Indicator
Materiel_Producer_Supplied_Name
Materiel_Type_Name
Materiel_Odor_Name - Odor_Name (FK)
-Business Description-
A kind of distinctly identifiable physical matter about which the Department of Defense wants to track information.
Examples include gasoline, friable asbestos, hexavalent chromium, dry ice, the secret ingredient in a popular soft drink, a D battery, a depleted Uranium alloy, Coca Cola in a 12 oz Aluminum can, a 12 oz Aluminum can, a 5 gal can of eggshell white latex paint, a specific batch of jet fuel, and a six-pack of 16-oz bottles of ACME Orange Soda.

MATERIEL-MANUFACTURER
Materiel_Identifier (FK)
Organization_Unique_Identifier (FK)
Materiel_Manufacture_Part_Number
-Business Description-
The approved, authorized, or acknowledged creation of a MATERIAL by an ORGANIZATION.

MATERIAL-MANUFACTURE-PERIOD
Materiel_Manufacture_Period_Start_Date
Materiel_Identifier (FK)
Organization_Unique_Identifier (FK)
Materiel_Manufacture_Period_Stop_Date
-Business Description-
A contiguous time when the relevant ORGANIZATION is approved, authorized, or acknowledged to create the relevant MATERIAL.

ORGANIZATION-ROLE
Organization_Role_Start_Date
Organization_Role_Category_Code
Organization_Unique_Identifier (FK)
Organization_Role_Stop_Date
-Business Description-
A functional relationship between an organization and how it performs a task.

GEOPOLITICAL-SPATIAL-AREA
Geopolitical_Spatial_Area_Identifier
Geopolitical_Spatial_Area_Name
Geopolitical_Spatial_Area_Description_Text
Geopolitical_Spatial_Area_Category_Code
Geopolitical_Spatial_Area_Effective_Start_Date
Geopolitical_Spatial_Area_Effective_Stop_Date
-Business Description-
A region that may be under the administrative jurisdiction of a governmental authority, or that may serve other purposes as established by law.

SUBSTANCE
Substance_Identifier - Materiel_Identifier (FK)
Substance_State_Complexity_Type_Name
Substance_Clarity_Name
Substance_Color_Name
Substance_Considered_Environmentally_Persistent_Indicator
Substance_Inert_Indicator
Substance_Gross_Structural_Type_Name
Substance_Radioactive_Decay_Rate
Substance_Radioactive_Decay_Rate_Unit_Of_Measure_Identifier - Unit_Of_Measure_Identifier (FK)
Substance_Self_Reactive_Indicator
Substance_Solid_Percent_By_Volume_Quantity
Substance_Solid_Percent_By_Weight_Quantity
Substance_Stable_Indicator
Substance_Stability_Normal_Conditions_Text
Substance_Volatile_Organic_Compound_Volume_Percent_Quantity
Substance_Volatile_Organic_Compound_Volume_Non_Numeric_Quantity_Text
Substance_Volatile_Organic_Compound_Weight_Percent_Quantity
Substance_Volatile_Organic_Compound_Weight_Non_Numeric_Quantity_Text
Substance_Water_N_Octanol_Partition_Coefficient_Quantity
-Business Description-
A MATERIAL having no inherent limit in extent; therefore without size or shape. E.g., green paint, hydrochloric acid, dry ice, or Coke syrup.

OBJECT
Object_Identifier - Materiel_Identifier (FK)
Object_Separability_Indicator
Object_Volatile_Organic_Compound_As_Applied_Ratio_Quantity
Object_Volatile_Organic_Compound_As_Applied_Ratio_Unit_Of_Measure_Identifier - Unit_Of_Measure_Identifier (FK)
Object_Volatile_Organic_Compound_As_Applied_Test_Method_Details_Text
Object_Volatile_Organic_Compound_As_Applied_Test_Method_Name
Object_Volatile_Organic_Compound_As_Applied_Test_Summary_Text
-Business Description-
A MATERIAL that is inherently limited in extent. That is, it is a kind of discrete item, such as a D battery, a 55 gallon drum of green paint, or a 10 oz ball of C4 explosive.
E.g., 12 oz Coke in an Aluminum Can Aluminum Can Steel Can 6 pack of 12 Oz Coke in an Aluminum Can

MATERIAL-LOT
Materiel_Lot_Identifier - Materiel_Identifier (FK)
Materiel_Lot_Batch_Number
Materiel_Lot_Creation_Date
Materiel_Lot_Original_Materiel_Identifier - Materiel_Identifier (FK)
-Business Description-
A separable quantity of MATERIAL (either a quantity of a SUBSTANCE (such as jet fuel) or a group of individual OBJECTS (such as canned meat) that were created at the same time in the same way with the same components, therefore, having potentially identical characteristics that might vary from those of another such group.
For a SUBSTANCE, such a group is typically called a batch. For an OBJECT, such a group is typically called a lot. Some individual OBJECTS, such as cans of paint are grouped according to the batch contained therein.

MATERIEL-MANUFACTURE-PERIOD
Materiel_Manufacture_Period_Start_Date
Materiel_Identifier (FK)
Organization_Unique_Identifier (FK)
Materiel_Manufacture_Period_Stop_Date
-Business Description-
A contiguous time when the relevant ORGANIZATION is approved, authorized, or acknowledged to create the relevant MATERIAL.

SUPPLIER
Organization_Role_Start_Date (FK)
Organization_Role_Category_Code (FK)
Organization_Unique_Identifier (FK)
Supplier_Category_Code
Supplier_Information_Technology_Equipment_Vendor_Equipment_Trade_Indicator
Supplier_Jurisdiction_Text
Supplier_Labor_Surplus_Area_Text
Supplier_Annual_Revenue_Amount
Supplier_Fiscal_Year_End_Close_Date
Supplier_Company_Security_Level_Code
Supplier_Highest_Employee_Security_Level_Code
Supplier_Credit_Card_Indicator
Supplier_Web_Page_URL_Address_Text
Supplier_Electronic_Funds_Transfer_Indicator
Supplier_Doing_Business_As_Name
Supplier_Bank_Routing_Number
Supplier_TPN_Federal_Non_Federal_Code
-Business Description-
An organization that is a prime contractor in producing or providing goods and/or services to a DoD organization, or that has the intent to supply goods and/or services to a DoD organization.

ADDRESS
Address_Identifier - Geopolitical_Spatial_Area_Identifier (FK)
Address_Street_Number
Address_Street_Name
Address_Street_Type_Code
Address_Street_Direction_Code
Address_Apartment_Suite_Number
Address_Post_Office_Box_Number
Address_APO_FPO_Number
Neighborhood_Identifier (FK)
US_Congressional_District_Identifier (FK)
City_Identifier (FK)
Postal_Zone_Identifier (FK)
-Business Description-
A location at which an ORGANIZATION or PERSON may be contacted.