

Asset Master Data

Master Data defines the unique characteristics of an asset or item, including spare parts. Master data includes the item classification, a noun, and the distinct modifiers or attributes used to break each classification down by manufacturer, model, vendor Part Number (P/N) or a unique Serial Number (S/N) for real property tracking, configuration, or installation.



Transactional Data refers to how the item is procured, stored, issued, commissioned, inspected, repaired, and decommissioned. Transactional data specifies the types of data entry passed to the accounting General Ledger or data shared with other information management systems.

Measurement Data describes how risk is evaluated and how the item is tested, certified, or how asset performance will be monitored, including but not limited to Failure Codes – data that identifies a specific manner of failure – used within the Computerized Maintenance Management System (CMMS).

DATA TYPE	EQUIPMENT	INVENTORY	WORK
CLASSIFICATION	NOUN, MODIFIER	NOUN, MODIFIER	WORK ORDER, NUMBER
ATTRIBUTES	CAPACITY COMMISSION DATE CONFIGURATION DECOMMISSION DATE INSTALLATION DATE MAKE MODEL SERIAL NUMBER SIZE WARRANTY	CERTIFICATION MAKE MODEL SERIAL NUMBER SKU NUMBER VENDOR PART NUMBER WARRANTY	APPROVED DATE ASSET ID ASSIGNED TO CLOSED DATE COMPLETED DATE ITEM CLASS LOCATION REQUESTED DATE SCHEDULED DATE WORK ORDER PRIORITY WORK ORDER STATUS WORK ORDER TYPE
TRANSACTIONS	ADJUSTED CERTIFIED DECOMMISSIONED DISPOSED FAILED IDLE INSPECTED INSTALLED PURCHASED REFURBISHED REPAIRED TESTED	CERTIFIED DISPOSED ISSUED NONSTOCK ON HAND QUANTITY ORDER ON DEMAND PURCHASED RECEIVED REFURBISHED REQUESTED RETURNED STOCKED TESTED	ACTUAL LABOR COST ACTUAL LABOR HOURS ACTUAL MATERIAL COST FAILURE FUNCTIONAL FAILURE IDLE OPERATING

DATA TYPE	EQUIPMENT	INVENTORY	WORK
MEASUREMENTS	CRITICALITY DATA STREAM FAILURE MODE CODE MEAN-DOWNTIME (MDT) MEAN-TIME-BETWEEN-FAILURES (MTBF) PROBLEM CODE REPLACEMENT VALUE TEST EQUIPMENT	CRITICALITY DAYS ON HAND EQUIVELANCY FREQUENCY OF ISSUE LEAD TIME PURCHASE PRICE QUANTITY ON HAND TEST EQUIPMENT	CAUSE CODE MEAN-TIME-BETWEEN-MAINTENANCE (MTBM) MEAN-TIME-TO-REPAIR (MTTR) PROBLEM CODE REMEDY CODE SKILL CODE

COMMON ASSET ATTRIBUTES

NOUN/MODIFIER	ATTRIBUTE
ACTUATOR, GENERAL	TYPE
	RATING
	MATERIAL
	TRAVEL
	SPECIAL FEATURES
BEARING, GENERAL	TYPE
	SIZE
	STYLE
	SERIES
	MATERIAL
	APPLICATION
	SPECIAL FEATURES
BREAKER, GENERAL	TYPE
	AMPERAGE
	VOLTAGE RATING
	SIZE
	MATERIAL
	SPECIAL FEATURES
DAMPER, GENERAL	TYPE
	SIZE
	MATERIAL
	SPECIAL FEATURES
FAN UNIT, GENERAL	TYPE
	SIZE
	ELECTRICAL RATING
	VOLUME RATING
	MATERIAL
	SPECIAL FEATURES

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NOUN/MODIFIER	ATTRIBUTE
GEAR, GENERAL	TYPE
	TEETH COUNT
	BORE DIAMETER
	SIZE
	MATERIAL
	APPLICATION
	SPECIAL FEATURES
HEATER, GENERAL	TYPE
	SIZE
	RATING
	SPECIAL FEATURES
METER, GENERAL	TYPE
	READOUT
	STYLE
	RANGE
	MATERIAL
	SPECIAL FEATURES
PUMP, GENERAL	TYPE
	SIZE
	INLET
	OUTLET
	FLOW RATE
	DRIVER
	SPECIAL FEATURES
VALVE, GENERAL	TYPE
	SIZE
	CONFIGURATION
	DESIGN RATING
	TEMPERATURE RATING
	CONNECTION TYPE
	BODY MATERIAL
	OPERATED BY
	PRESSURE RATING
SPECIAL FEATURES	