

SMD™ - Standard Modifier Dictionary



The Source
for Critical Information and Insight™

IHS Intermat Solutions' Innovative Cataloging Methodology for MRO Data

IHS Intermat Solutions provides the Standard Modifier Dictionary (SMD), the most widely used cataloging methodology in the world today. The SMD is used daily by more than 2,000 industrial plants and facilities in 31 countries for managing vast inventories of maintenance, repair and operations (MRO) parts such as pipes, valves, bearings, associated plant equipment and general supply items.

Mastering Your MRO Catalog

IHS Intermat Solutions finds that MRO parts information of many asset-intensive organizations is composed of unstructured "free-form" text, entered in a variety of ways, which results in product descriptions that are incomplete, inconsistent and non-comparable.

IHS Intermat Solutions helps resolve this "toxic" data problem through the SMD. Once implemented, our customers begin realizing the benefits of structured, accurate and accessible product information. The SMD has been developed over the past 28 years by industry and commodity domain experts in support of MRO professionals who procure, manage, supply and utilize millions of MRO items on a daily basis.

In addition, the SMD has been used by IHS Intermat Solutions Materials Analysts to standardize and enrich

more than 50 million MRO item descriptions for over 330 companies in the Global 2000.

Tangible & Sustainable Benefits

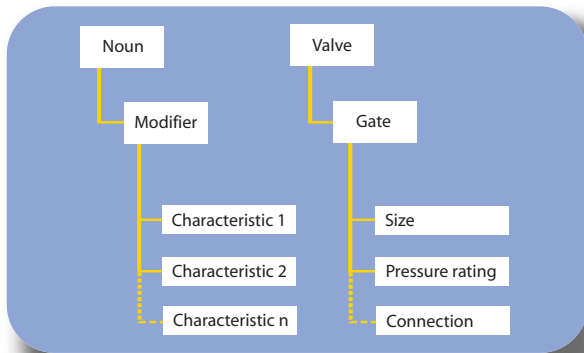
The SMD enables our customers to realize significant savings through:

- Identification of duplicate inventory
- Avoidance of false stock-outs
- Simplification of inventory searches
- Reduction in equipment downtime
- Realizing maximum benefits from their ERP/EAM systems

A Proven Methodology

The SMD is a two-tiered classification schema (with an optional third-tier "upper classification" level) that provides a consistent and repeatable set of rules to characterize and catalog inventory.

The SMD consists of a family of mutually-exclusive Nouns/Class (a proper name such as "Valve") and Modifiers/Sub-Class (a descriptive word or phrase such as "Gate"), as well as associated Characteristics that describe general part attributes (such as "Size," "Pressure Rating" and "Connection") and Values which describe specific Characteristics (such as "6-inch").



The IHS Intermat Solutions cataloging methodology consists of Noun-Modifier pairs, along with associated characteristics and values.

Functional Differentiators

Below are some of the key functional differentiators between the SMD and other cataloging methodologies. These user aids are presented in an easy-to-use, intuitive format and are paramount to future catalog management, authoring and user acceptance of the resultant MRO catalog.

Classification Definitions and Guidelines

- Technical and catalog management-based definitions to support the correct selection and application of each SMD Format

Synonyms

- Synonymous terms/alternate Nouns cross-referenced to Approved Noun Names to ensure successful search and prevention of duplicate items

Characteristic Definitions and Sample Characteristic Values

- Context specific definitions along with example ranges of Values to indicate acceptable Values

Item (Product) Images

- The SMD contains images for the top 80% of Nouns.

Search Capabilities

- The SMD allows for parametric search, facilitating quick and accurate data queries.



The SMD is used to build and maintain a catalog of formatted inventory descriptions. This screen, viewed through the IHS Intermat Struxure® catalog management software, displays a Description Search for a range of gate valves.

SMD Specifications

The SMD may be tailored to meet the needs of each customer. It is currently comprised of over:

- 2,400 Noun/Class-Modifier/Sub-Class Pairs
- 15,000 Definitions & Guidelines
- 2,000 Synonyms
- 29,000 Sample Values
- 9,000 Characteristics
- 1,000 Reference Images

The SMD is also available in Chinese, Dutch, French, German, Italian, Japanese, Portuguese, Russian, Spanish and Swedish.

Compatibility

The SMD is compatible with the leading ERP and EAM systems, such as IBM's Maximo®, Indus Passport™, PeopleSoft®/JDE/Oracle® and SAP Materials Management (MM) Module.

It is also compatible with upper-level classification schemas, such as UN/SPSC, eClass and other emerging data exchange standards that form the backbone of current and future web-based software communications, such as XML and CXML.



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