



The Engineering
Resource For
Advancing Mobility

400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096

AEROSPACE RECOMMENDED PRACTICE

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Revised

TITLES, SAE G-3 COMMITTEE DOCUMENT, SELECTION OF

1. SCOPE

1.1 Purpose: This recommended practice establishes the procedure for creating titles of G-3 Committee documents which will be published by the SAE Aerospace Organization. This standardization will avoid several different names describing the same item and will improve alphabetical listings of documents by subject.

1.2 Documents for Compliance: The following SAE documents prepared by the G-3 Committee shall comply with this recommended practice for the creation of titles:

- a. Aerospace Information Report (AIR)
- b. Aerospace Recommended Practice (ARP)
- c. Aerospace Standards (AS)
- d. Metric Aerospace Standards (MA)

2. APPLICABLE DOCUMENTS

2.1 Government Documents: The following government documents form a part of this recommended practice to the extent specified herein.

STANDARDS

MILITARY

DOD-STD-100 Engineering Drawing Practices

MIL-STD-12 Abbreviations for Use on Drawings, Specifications, Standards and in Technical Documents

MIL-STD-961 Military Specifications and Associated Documents, Preparation Of

MIL-STD-962 Military Standards and Handbooks, Preparation Of

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HANDBOOKS

MILITARY

- H2 Federal Supply Classification
- H6 Federal Item Name Directory for Supply Cataloging

MANUALS

MILITARY

- 4100.39-M Defense Integrated Data System Procedures

3. REQUIREMENTS

- 3.1 General: The government requirements for creating titles are specified in MIL-STD-961 for military specifications and MIL-STD-962 for military standards. Both of these format standards state that the approved basic item name and its modifiers for titles shall conform to government cataloging Handbook H6.
- 3.1.1 Standardization of Titles: The SAE documents listed in 1.2 shall also conform to Handbook H6 to achieve uniform reference by subject when alphabetically listed in the SAE Aerospace Index and the Department of Defense Index of Specifications and Standards (DODISS).
- 3.2 Existing Title Search:
- 3.2.1 H6 Handbook: The first procedure in the document title selection shall be a search in H6 Handbook Section A (H6-A) for existing approved titles.
- 3.2.1.1 H6-A Handbook Terminology and Usage:
- Basic Name: Consists of a basic noun word or basic noun phrase which is defined and each concept of the Basic Name is numbered.
 - Approved Item Name (AIN): Consists of a Basic Name or Basic Name followed by those modifiers necessary to differentiate between item concepts having the same Basic Name. In AINs developed from the same Basic Name, the concept number appears in parentheses immediately following the Basic Name. When a concept number appears in parentheses in an AIN, reference should be made to the same concept number in the indicated Basic Name in order to understand the basic concept which is inherent in the total concept of the AIN.
 - Colloquial Entries: Consist of common usage or generic names that are (1) not approved and therefore are cross-referenced to an approved AIN or (2) approved as indicated by the FSC number in the right hand margin.
 - Item Name Code (INC): Number assigned to AINs for cross-reference numerical listing in H6 Section B (H6-B). INCs are not required for title selections.
 - Federal Supply Classification (FSC): The FSC is a commodity classification divided into groups and classes adopted by the DOD. The primary application of the FSC code is in the first four digits of the National Stock Number (NSN). Therefore, the selection of unlisted H6-A titles should be modifications of the AINs in the approved FSC groups and classes.
 - Condition Code (COND CODE): A single digit number listed against each AIN indicating the number of specific classes permitted in the FSC structure. COND CODEs are not required for title selections.

- g. Federal Item Identification Guide (FIIG): The applicable FIIG is indicated for each AIN. The FIIG contains the necessary information for the Defense Logistics Agency to complete the item identification description. FIIGs are not required for title selections.

The Department of Defense (DOD) preferred approved titles are the AINs due to the resulting commonality of stocking within the Federal Catalog System. See Figure 1 for a graphic example of H6-A approved titles.

- 3.2.1.2 H6-A Handbook Typographical Entries: In order to distinguish between Basic Names, AINs, and colloquial names the following typographical system is used in the H6-A Handbook:

- a. Basic Name: Basic Names are identified by the first letter of the name appearing as a capital letter
- b. AIN: Approved Item Names are identified by all capital letters
- c. Colloquial Name: Colloquial names are identified by all lower case letters

- 3.2.2 H2 Handbook Usage: If the FSC of a new item is known, a search in H2 Section 2 (H2-2) under that class will reveal approved titles. These titles will have the same typographical system as the H6-A Handbook for AINs and colloquial names. This H2-2 search will be a time saving direction to the H6-A Handbook's approved names with their definitions and limitations.

- 3.3 Composition of New Titles: When the H6-A does not provide an approved title defining the basic concept of the item, titles shall be selected on the basis of agreement between the responsible SAE G-3 Subcommittee and the SAE G-3 Committee Chairman. The following procedure of title composition shall be used in the sequence listed.

- 3.3.1 Use of DOD-STD-100: Title composition specified in DOD-STD-100 shall not be used for the documents listed in 1.2 of this ARP. DOD-STD-100 is a standard for engineering drawing practices not applicable to specifications and standards procedures of MIL-STD-961 and MIL-STD-962.

- 3.3.2 Modification of H6-A Titles:

- 3.3.2.1 Use of H6-A AINs: Whenever possible, the title composition shall use an AIN as a basic building block. The selected AIN shall also have the same FSC code as the new item in order to achieve the Defense Logistic Services Center (DLSC) policy for commonality of classification within the Federal Cataloging System.

Example:

H6-A AIN: TEE, TUBE (FSC 4730)

Modified AIN: TEE, REDUCER, FLARELESS TUBE (FSC 4730)

BASIC NAME ——— ADDED MODIFIERS TO H6-A AIN

- 3.3.2.2 USE OF H6-A COLLOQUIAL TITLES: Modification of H6-A colloquial titles shall be the same procedure as required by 3.3.2.1 for AINs. The only H6-A colloquial titles to be used for building blocks are those listed approved as indicated by their reference to an FSC number.

NAME AND DEFINITION NAME MODIFIER(S)

	FLIG	INC	CODE COND	FSC
APPROVED.....COUPLING ASSEMBLY, QUICK DISCONNECT.....	.	.	.	.
ITEM.....A multiple fluid line fitting consisting of	.	.	.	.
NAME.....two COUPLING HALF, SELF-SEALING fittings.	.	.	.	.
(AIN)	.	.	.	.
.....DEFINITION LIMITATION	.	.	.	.
APPROVED.....coupling, tube to hose.....	.	.	.	.
COLLOQUIAL.....(NO INC).....	.	.	.	4730
ENTRY	.	.	.	.
DISAPPROVED.....coupling, pipe to hose.....	.	.	.	.
COLLOQUIAL.....See ADAPTER, STRAIGHT, PIPE TO HOSE	.	.	.	.
ENTRY.....REFERENCE TO APPROVED ITEM NAME (AIN)	.	.	.	.
.....BASIC NAME CONCEPT NUMBER	.	.	.	.
.....	.	.	.	.
.....	.	.	.	.
REFERENCED.....ADAPTER (1), STRAIGHT, PIPE TO HOSE.....	.	.	.	.
APPROVED.....An adapter having standard pipe threads	.	.	.	.
ITEM.....on one end or an unthreaded end designed	.	.	.	.
NAME.....to accommodate a pipe. The other end has	.	.	.	.
(AIN).....standard hose threads, an incomplete part	.	.	.	.
.....of a threaded end connection that grips the	.	.	.	.
.....hose directly, or is unthreaded and designed	.	.	.	.
.....to accommodate a hose. It is designed to	.	.	.	.
.....join a pipe or pipe fitting to a hose or hose	.	.	.	.
.....fitting in a straight line.	.	.	.	.
.....except fire fighting.....	.	.	.	4730
.....fire fighting.....	.	.	.	4210
.....	.	.	.	.
.....	.	.	.	.
.....	.	.	.	.
.....DEFINITION.....LIMITATION	.	.	.	.

FIGURE 1: H6-A HANDBOOK EXAMPLES OF APPROVED ITEM NAME AND COLLOQUIAL ENTRIES

3.3.3 Unlisted H6-A Titles: When there are no existing H6-A titles which can be modified to define the basic concept of the item, a new basic name with or without modifiers must be selected. The following guidelines for item titles are extracted from Defense Standardization Manual 4100.39-M Chapter 2 "Item Names". This document establishes procedures from which the DLSC issues and maintains the H6 Handbook. See Figure 2 for a graphic example of title components.

3.3.3.1 Basic Name: The first part of the title shall be the Basic Name which is either a basic noun word or a basic noun phrase. A basic noun word may be used as an item name only when it establishes a single concept of the item.

3.3.3.2 Basic Noun Phrase: When a basic noun word does not define a single concept of the item, a basic noun phrase composed of the noun and its descriptive modifier shall be used. The normal sequence in the first part of the title is to list the basic noun first followed by the basic noun modifier. However, in some items the reverse sequence is necessary to avoid a misunderstanding of the Basic Name implied concept.

<u>Acceptable</u>	<u>Nonacceptable</u>
HOSE ASSEMBLY ELBOW, BULKHEAD	ASSEMBLY, HOSE BULKHEAD ELBOW

3.3.3.3 Materials and Fabrication Methods: Materials of items or their method of fabrication shall not be used in the Basic Name. Where necessary to define the basic concept of the item, materials and fabrication methods may be placed in the second part of the title as Basic Name modifiers.

3.3.3.4 Singular Basic Names: The Basic Name shall be written in singular form except where the only description is a plural noun.

Example:

PLIERS

SCISSORS

TONGS

3.3.3.5 Proprietary Names: Tradenames, copyrighted names, or other proprietary names applying exclusively to the product of one company shall not be used unless the item cannot be adequately described because of the technical involvement, construction, or composition. DOD Manual 4100.39-M requires the DLSC approval for use of proprietary names in titles. Therefore, very few proprietary names are listed H6. The following are examples of unapproved tradenames and their equivalent nomenclature used in Military specification titles:

<u>H6 Unlisted Tradename</u>	<u>Military Specification Usage Equivalent Name</u>
TEFLON	TETRAFLUOROTHYLENE
FREON 12	DICHLORODIFLUOROMETHANE
HALON 1211	BROMOCHLORODIFLUOROMETHANE

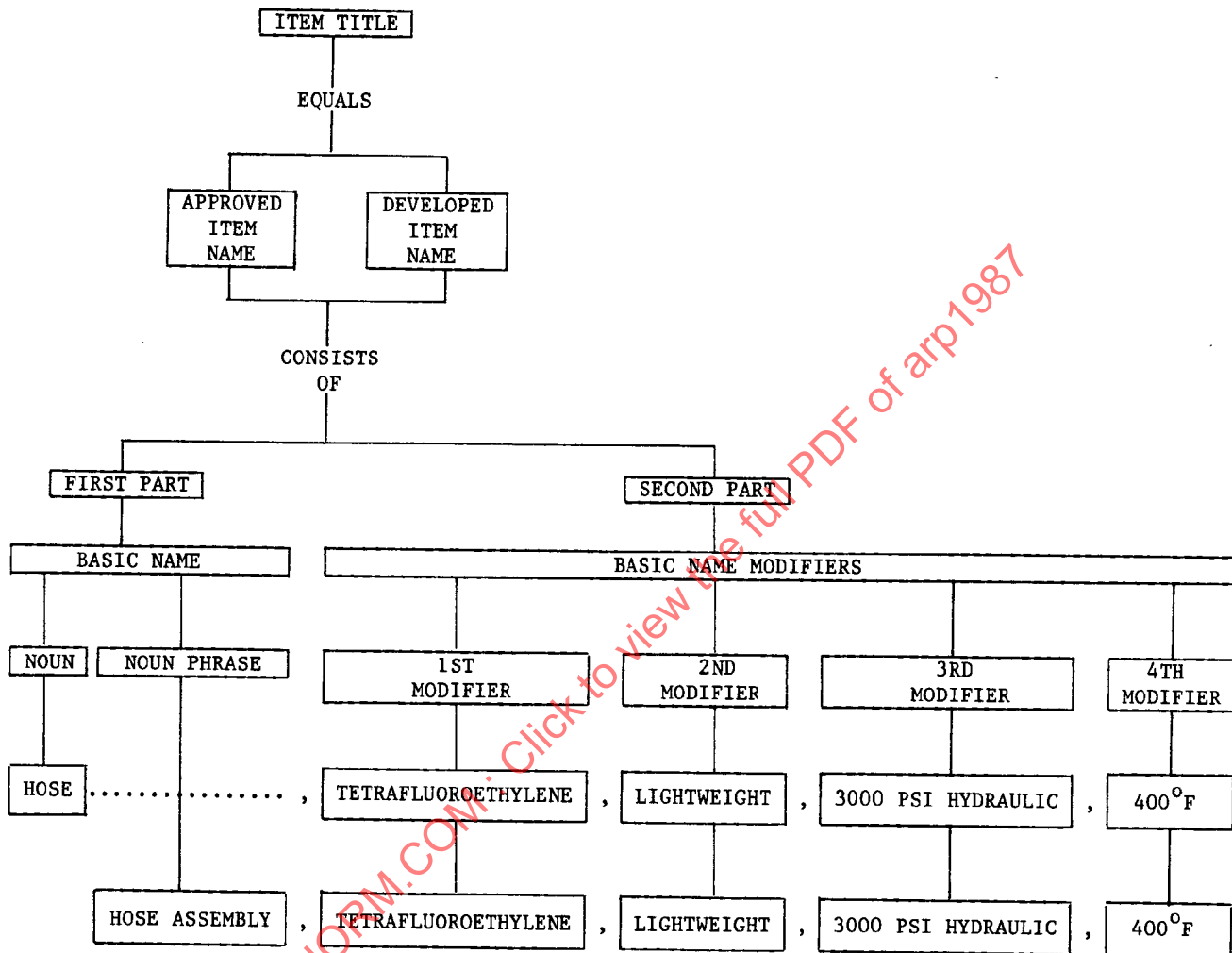


FIGURE 2: TITLE COMPOSITION CHART