



DEFENSE LOGISTICS AGENCY
LAND AND MARITIME
P.O. BOX 3990
COLUMBUS, OHIO 43218-3990

MEMORANDUM FOR RECORD

25 July 2011

SUBJECT: Engineering Practice Study (EPS) for the development of Society of Automotive Engineers (SAE) documents. See table below.

Document	Title	Project #
SAE AS6075	AS6075 - Fitting, Bolt, Flared, 37° Spherical	4730-2010-081
SAE AS6092	AS6092 - Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, 75°	4730-2010-083
SAE AS6093	AS6093 - Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, 90°	4730-2010-084
SAE AS6094	AS6094 - Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, 45°	4730-2010-085
SAE AS6095	AS6095 - Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, Tee	4730-2010-086
SAE AS6098	AS6098 - Fitting, Tee, Standard And Reducer, Bulkhead On Run, Internal On Side, Flared, 37° Spherical	4730-2010-172
SAE AS6099	AS6099 - Fitting, Elbow, 90°, Standard and Reducer, Flared, 37° Spherical	4730-2010-173

The subject letter is a close out letter for (7) Engineering Practice Studies (EPS), performed for the creation of NGS documents. No action is required on your part except to update your files. Copies of this EPS Report may be downloaded from the DLA Land and Maritime Web site:

<http://www.dscc.dla.mil/Programs/MilSpec/>

The point of contact for these documents is Mr. Maurice Womack, Defense Logistics Agency, Land and Maritime, VAI, Post Office Box 3990, Columbus, OH 43218-3990. Mr. Maurice Womack can also be reached at 614-692-9847/850-9847, by facsimile at 614-692-6939, or by e-mail at: maurice.womack@dla.mil.

Sincerely,

/ *SIGNED* /

HOWARD E. H. JENKENS
Temporary Chief,
Interconnection Branch

Attachment:

1. Engineering Practice Study Final Report

ENGINEERING PRACTICE STUDY

TITLE:
CREATION OF SAE DOCUMENTS

20 July 2011

FINAL REPORT

Study Conducted and
Prepared by

Maurice Womack

I. OBJECTIVE: This Engineering Study has been prepared to document the development of new SAE documents.

II. BACKGROUND: These SAE Aerospace Standards (AS) establish the requirements for 37° spherical flared tube fluid connection fittings and nuts with 37° flared tube ends and/or permanently attached sleeves. The intended applications of these parts are for use on aircrafts, ground vehicles, submarines, surface vessels and industrial equipment.

III. RESULTS: These documents were developed and proposed to SAE G3B members using the SAE new document process. The following are the rationales that were submitted concerning the revised documents. All of the subject documents addressed by this EP Study have been reviewed, approved and published using the SAE document development process.

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
1 of 7	AS6075	Fitting, Bolt, Flared, 37° Spherical	G3B10-17	4730-2010-081
<p>Our interest in this document: This document will be a DoD adopted document. The military services utilize 37° flared tubing in aircraft and ground vehicles. The 37° spherical flared tube can be used as a possible replacement for the traditional 37° flared tube fitting.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for the BOLT fitting with 37° spherical flared tube</p>				

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
2 of 7	AS6092	Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, 75°	G3B10-17	4730-2010-083
<p>Our interest in this document: This document will be a DoD adopted document. The military services utilize 37° flared tubing in aircraft and ground vehicles. The 37° spherical flared tube can be used as a possible replacement for the traditional 37° flared tube fitting.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for 75 ° fitting with 37° spherical flared tube.</p>				

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
3 of 7	AS6093	Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, 90°	G3B10-17	4730-2010-084
<p>Our interest in this document: This document will be a DoD adopted document. The military services utilize 37° flared tubing in aircraft and ground vehicles. The 37° spherical flared tube can be used as a possible replacement for the traditional 37° flared tube fitting.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for the 90° FITTING with 37° spherical flared tube.</p>				

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
4 of 7	AS6094	Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, 45°	G3B10-17	4730-2010-085
<p>Our interest in this document: This document will be a DoD adopted document. The military services utilize 37° flared tubing in aircraft and ground vehicles. The 37° spherical flared tube can be used as a possible replacement for the traditional 37° flared tube fitting.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for the 45° FITTING with 37° spherical flared tube.</p>				

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
5 of 7	AS6095	Fitting, 37° Spherical Flared, Connector, Multiple Fluid Pressure Line, Tee	G3B10-17	4730-2010-086
<p>Our interest in this document: This document will be a DoD adopted document. The military services utilize 37° flared tubing in aircraft and ground vehicles. The 37° spherical flared tube can be used as a possible replacement for the traditional 37° flared tube fitting.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for the TEE fitting with 37° spherical flared tube.</p>				

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
6 of 7	AS6098	Fitting, Tee, Standard And Reducer, Bulkhead On Run, Internal On Side, Flared, 37 Degree Spherical	G3B10-17	4730-2010-172
<p>Our interest in this document: This document will be a DoD adopted document. The military services utilize 37° flared tubing in aircraft and ground vehicles. The 37° spherical flared tube can be used as a possible replacement for the traditional 37° flared tube fitting.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for a bulkhead tee fitting with 37° spherical flared tube.</p>				

Num Of Actions	Document Number	Name of Document	SAE Project Number	DoD Project Number
7 of 7	AS6099	Fitting, Elbow, 90 Degree, Standard and Reducer, Flared, 37 Degree Spherical	G3B10-17	4730-2010-173
<p>Our interest in this document: This document is a DoD adopted document. It is used as procurement document for many SAE parts standards and is associated with many NSNs.</p>				
<p>Rationale: This SAE Aerospace Standard (AS) establishes the requirements for the 90° elbow fluid connection fitting with 37° spherical flared tube.</p>				

IV. CONCLUSIONS: The above actions have been reviewed and documented. In addition to DoD comments and suggestions, SAE members also submitted comments regarding the revision of these documents. After several iterations and revisions, the documents were published and are now available through SAE.

V. RECOMMENDATIONS: There are no recommendations for these documents.

The point of contact for these documents is Mr. Maurice Womack, Defense Logistics Agency Land and Maritime, VAI, Post Office Box 3990, Columbus, OH 43218-3990. Mr. Maurice Womack can also be reached at 614-692-9847/850-9847, or by facsimile 614-692-6939/850-6939, or by e-mail to: maurice.womack@dla.mil.