



DEFENSE LOGISTICS AGENCY
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DLA LAND AND MARITIME-VAI

February 12, 2018

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of 6145 FSC Engineering Practice (EP) Study (see table below for details).

The initial draft for the subject document is now available for viewing and downloading from the DLA Land and Maritime-VA Web site:

<https://landandmaritimeapps.dla.mil/Programs/MilSpec/DocSearch.aspx>

Initial Draft	Title	Project Number
6145 FSC EP Study	New Product and Document Standardization Needs in Wire and Cable	6145-2018-031

The purpose of this EPS is to solicit input from industry, military, and other standardization activities on new needs for standardization on new products and existing products where standardization would help reduce cost, increase safety, and/or increase availability.

Comments are required at this Center within 30 days. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply.

If this document is of interest to you, please provide your comments or suggested changes. The point of contact for this document is Mr. Bender, phone number 614-692-9185, facsimile transmission, 614-692-6939, e-mail Jacob.Bender@dla.mil or may be mailed via the US Postal Service to DLA LAND AND MARITIME, ATTN: VAI (Attention: Jacob Bender), P.O. Box 3990, Columbus, OH 43218-3990.

Sincerely,

/ **SIGNED** /

ABDONASSER M. ABDOUNI
Chief,
Interconnection Branch

CC: David Devine, Stephen Foster

ENGINEERING PRACTICE STUDY (EPS)

FSC 6145 – Wire and Cable

New Product and Document Standardization Needs in Wire and Cable

PROJECT NUMBER: 6145-2018-031

12 FEBRUARY 2018

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DLA Land and Maritime-VAI

ENGINEERING PRACTICE STUDY
6145 FSC

Objective: The purpose of this EPS is to solicit input from industry, military, and other standardization activities on new needs for standardization on new products and existing products where standardization would help reduce cost, increase safety, and/or increase availability. The scope of this study includes identifying new items on existing standardization documents and identifying the need for new standardization documents.

Background: Standardization is the process of developing, implementing, and enforcing technical standards, characteristics, and interfaces.

The standardization process involves in the most basic sense the customer and supplier. Parties include end users, manufacturers, distributors, integrators, government (policy, law, enforcement, technical experts), and non-government standardization organization. Objectives of standardization include human safety, interoperability, quality, reliability, and compatibility. Each end application can have varying preferences to each of these aspects. A parachute would have a large focus on human safety. The cost of the item (parachute) is small in comparison to the loss of human life in a catastrophic failure. A wire in a car wire harness may focus on reliability due to the cost of the labor involved to replace in the event of a failure. A bullet for a police force would focus on compatibility so that it could be used in any weapon and reliability to prevent misfires or jams. A single item which is standardized may have many end uses leading competing focuses and characteristics which have to be harmonized in the standardization process.

Standardization can reduce cost by simplifying the process and lead the item to become a commodity item. It can increase supply and demand by increasing the number of suppliers, reducing cost, and increasing the volume of product produced and consumed. Standardization can make technical information to a wider range of manufacturers easing the cost of research and development. It also encourage usage of the product in higher-level systems by providing the technical information and increasing initial and replacement availability.

Proposal:

Methodology: Obtain input from manufactures/military/industry/standardization bodies new needs for standardization on new products and existing products. Identify new items on existing standardization documents.

If there are any questions, please contact Mr. Jacob Bender, phone DSN 850-9185/commercial 614-692-9185, E-mail Jacob.Bender@dla.mil, DLA Land and Maritime-VAI, P.O. Box 3990, Columbus, OH 43218-3990.