

Course Introduction

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**LESSON ASSIGNMENT SHEET**

<b>Lesson Number</b>	DSW-01
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<b>Lesson Title</b>	Course Introduction
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<b>Lesson Time</b>	1.00 Hours
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<b>Lesson Overview</b>	This lesson explains the purpose and objectives of the Defense Standardization Workshop and provides an overview of the course and course materials. It also explains the basis, purpose, and objectives of the Defense Standardization Program (DSP).
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<b>Terminal Learning Objective</b>	Given representative examples, the student should be able to accurately identify instances where defense standardization specifications, standards, and policy initiatives apply.
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<b>Enabling Learning Objectives</b>	<ul style="list-style-type: none"> <li>• List alternatives to the use of standardization documents.</li> <li>• Explain the benefits and challenges of standardization documents.</li> <li>• Students will correctly identify source documents for Defense Standardization Program.</li> </ul>
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<b>Assignments</b>	<ul style="list-style-type: none"> <li>• READ: Teaching Note (pages 01-5 thru 01-6).</li> <li>• SCAN: DoD 4120.24-M (Chapter 1, pages 10-12).</li> </ul>
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<b>Estimated Student Preparation Time</b>	0.25 Hours
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<b>Assessment</b>	Participation in practical exercises
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**Related Lessons**

- DSMC-02 through DSMC-27
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**Self Study  
References**

- DoDI 4120.24
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**STUDENT NOTE****Introduction to the Defense Standardization Workshop**

1. Welcome to the Defense Standardization Workshop (DSW). We hope it will be an interesting and rewarding experience for each of you. You will apply the policies, procedures, and standardization tools discussed in CLE 028 (Market Research for Technical Personnel), CLE 064 (Standardization in the Acquisition Lifecycle), and CLE 065 (Standardization Documents). You will also be able to share your knowledge and experiences with your fellow students and the faculty and enable us to learn from you during the exercises in the workshop. The workshop flow mimics the processes used in the development, coordination, management and use of standardization documents.
  
2. In order for us to continue equipping our troops with weapon systems that are reliable, technologically advanced, yet affordable, it is paramount that we continue improving our acquisition processes. The emphasis for improvement in standardization are:
  - a. *First*, reduce the cost of the weapon systems and other materiel that we buy. We must eliminate the non-value added, military-unique requirements and procedures which drive up acquisition costs.
  
  - b. *Second*, remove impediments to getting state-of-the-art technology into our weapon systems. While we drove technology developments for many years; this largely is no longer the case. Today commercial technology advancements are outpacing DoD-sponsored efforts in the same sectors that are key underlying technologies for military superiority (e.g., electronics, software, and advanced materials).
  
  - c. *Third*, facilitate Department of Defense access into commercial markets of firms that have not traditionally produced for the Department of Defense. To do this we focus our requirements on the user needs and not on preferred or predetermined solutions.
  
3. Although an ingrained attitude that views the use of specifications and standards that contain military unique manufacturing or management requirements as the norm, rather than the exception, has been largely eliminated, government personnel must continue to give careful thought to the specifications and standards used in acquisitions, rather than merely duplicating a previous contract.

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4. The basic objective of Defense acquisition, to provide the United States military with equipment that works and is technologically superior in a quick and cost-effective manner, has not changed. To support this objective, the purpose of the Defense Standardization Program is to champion standardization throughout DOD to reduce costs and improve operational effectiveness.
  
5. The National Military Strategy for the United States foresees that battlefield superiority will be dependant upon coalition warfare; joint forces, information superiority, and new technology insertion. Effective standardization managed under the Defense Standardization Program will help to achieve the interoperability that is a cornerstone for coalition and joint warfare. Standardization will also play a key role in allowing for the integration of new and emerging technologies into DoD systems. The Open Systems concept, which allows for the seamless integration of new technologies into fielded systems, is based upon the DoD Information Technology Standards Registry Online (DISRonline). The DISRonline consists of Department of Defense and commercial interface standards that establish physical and functional interfaces that must be complied with during product development. By managing these interfaces, new technologies that enhance performance or decrease costs can be more readily integrated into the system.
  
6. This workshop will focus on several areas of acquisition currently being emphasized and used, such as performance requirements, market research, automation tools in standardization, and proper selection, application, and tailoring of documents. The purpose of the workshop is to provide you with some tools that will help you meet the challenges of acquisition.

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## **Introduction to the Defense Standardization Management Workshop**



### **Purpose of the Course**

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- This workshop is intended to supplement CLE 028, Market Research for Technical Personnel; CLE 064, Standardization in the Acquisition Lifecycle; and CLE 065, Standardization Documents by providing participants an opportunity to apply the standardization policies, processes, and tools discussed in the continuous learning modules.

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## Course Objectives

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Upon completion of the course, the student should be able to:

1. Apply standardization documents (existing or newly-developed) to meet essential user's needs at best value to the Government.
2. State performance based requirements consistent with DoD policy.
3. Apply techniques that promote the use of commercial products and practices.
4. Revise or create acquisition support documents utilizing market research.
5. Manage standardization documents in accordance with DoD standardization policy.

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## Academic and Administrative Information

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- ☒ Site information
  - ☒ Rest Rooms, Vending, Smoking, Workout
- ☒ Dress Code
- ☒ Non-Attribution
- ☒ Cell Phones/PDAs
- ☒ Computer use/login

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## Course Introduction



## Academic and Administrative Information

- ☒ Student Absences
- ☒ Beverages and Food in Classroom
- ☒ Messages and Phone Calls
- ☒ End-of-Course Evaluation
- ☒ Graduation Requirements
  - ☒ 95% attendance
  - ☒ Final average  $\geq$  80%

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## Academic and Administrative Information

- ☒ Class Schedule
- ☒ Breaks and Lunch
- ☒ Guest Speaker
- ☒ Group Assignments
- ☒ ASSIST Account
- ☒ Questions and Comments
- ☒ Student Introductions

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## Course Design

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- Emphasis is on application exercises
- Exercise introduction
  - Summary of CLM content to be applied
  - Exercise instructions
- Exercise
- Exercise deliverable
- Exercise Review

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## Course Materials

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- Student Book
- Standardization Reference Materials CD-ROM
- Reference Material Packet (to be returned)
- Handouts

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## Student Book

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- Lessons
  - Lesson Assignment Sheet
  - Assigned Readings
  - Viewgraphs

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## Reference Material Packet

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- DoD 4120.24-M; Defense Standardization Program Policies and Procedures
- Federal Standardization Manual
- OMB Circular A-119
- MIL-STD-961E; Defense and Program-Unique Specifications Format and Content
- SD-5; Market Research
- SD-15; Performance Specification Guide

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## Related Courses

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PQM 104	Specification Selection and Application
PQM 203	Commercial Item Descriptions
CLE 028	Market Research for Technical Personnel
CLE 064	Standardization in the Acquisition Lifecycle
CLE 065	Standardization Documents

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## Grading

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- ASSIST Group Exercise 25%
- Specification Simulation Group Exercise 25%
- Standardization Document Exercise 25%
- Standardization Management Exercise 25%
  
- Students must achieve a cumulative grade of 80%

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## Standardization

- The process of developing and agreeing on (by consensus or decision) uniform engineering criteria for products, processes, practices, and methods

DoD 4120.24-M

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## Benefits of Standardization

- Achieves interoperability with Allies and among Services
- Reduces acquisition and operation costs
- Simplifies logistics and maintenance
- Establishes proven reliability
- Provides document visibility

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## Standardization Opportunities

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- Joint interoperability between systems or subsystems required
- Mature or stable technology
- Multiple applications
- Repetitive procurements
- Cost benefits from economies of scale
- Need to limit or reduce items in Federal Supply System
- Need to limit engineering practices

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## Challenges of Standardization

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- Limits design flexibility
- Limits customer preferences
- Over-standardization (misapplication) can restrict competition and increase costs

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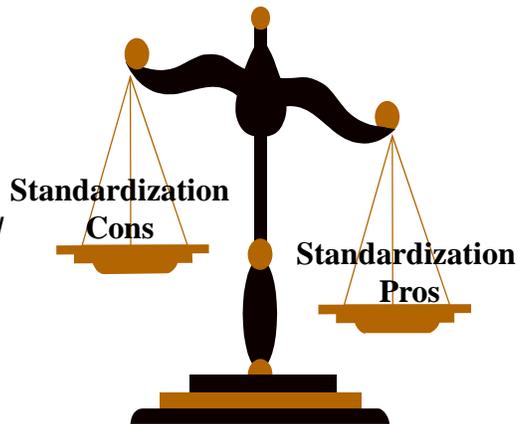
## Course Introduction



## Business Decision

Factors to consider:

- Is standardization required?
- Return on investment
- Maturity of technology
- Frequency of acquisition



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## Standardization Document

- A generic term for a document used to standardize on an item of supply, process, procedure, method, data, practice or engineering approach and included in the ASSIST Database

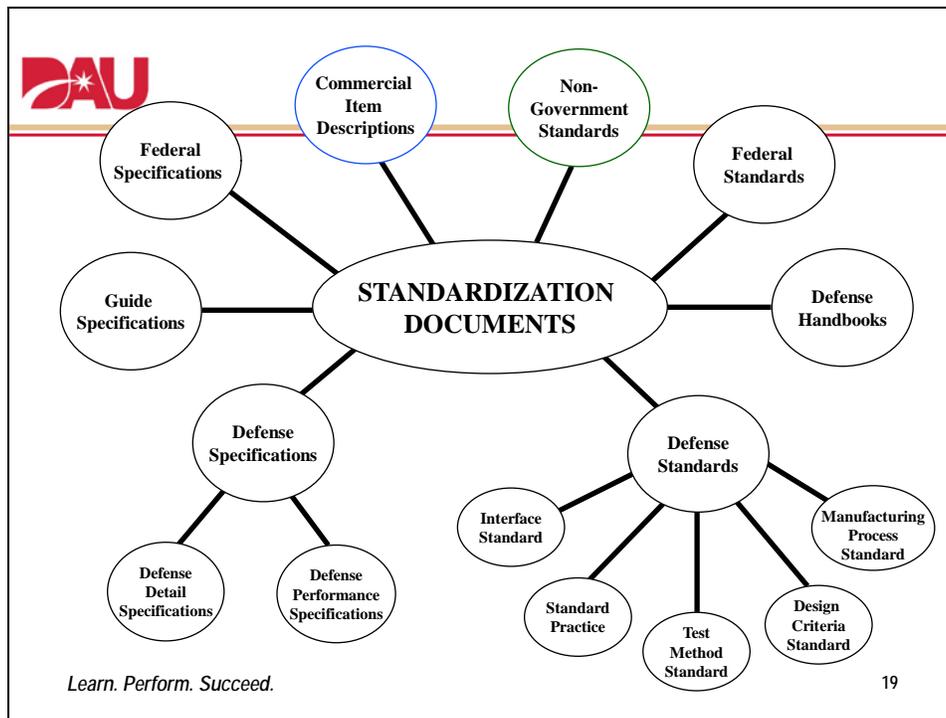
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## Alternatives

- Program Unique Documents
- Drawings
- Purchase Descriptions
- Multiple Award Schedules
- Prime Vendor Program

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## Specification

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- A document prepared to support acquisition that describes the essential technical requirements for materiel and the criteria for determining whether those requirements are met
- Includes:
  - Non-Government Standards
  - Commercial Item Descriptions
  - Defense Specifications
  - Program Unique Specifications

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## Standard

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- A document that establishes uniform engineering or technical criteria, methods, processes, and practices
- Includes:
  - Non-Government Standards
  - Federal Standards
  - Defense Standards
  - Program Unique Standards

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## Summary

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- Standardization is a business decision based upon the specific acquisition requirements.
- Standardization documents record standardization decisions.
- Standardization documents are managed under the DoD Standardization Program.