

The Future of Defense Standardization

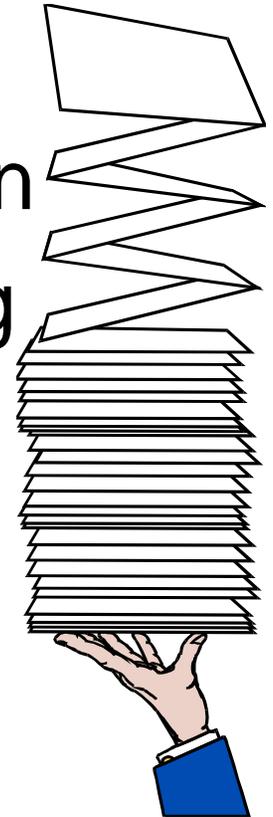
- Ante-Reformation Mil Specs
- The Supreme Directive June 1994
- The Reformation Period
- DoD Strategic Plan –

To Infinity – and Beyond...

- ✍ Revision to DoD 4120.3-M
- ✍ Qualification Working Group
- ✍ National Standards Strategy
- ✍ More Automation

Specs & Standards Program Before Reform

- Approximately 30,000 Military Specs & Standards
- Specifications mainly detailed design
- Standards prescribed manufacturing and management processes
- 45% more than five years old
- Military Unique designs



Specs & Standards Program Before Reform

- Dozens to Hundreds of MilSpecs called out in system contracts
- Tiering incorporated thousands more
- Documents not tailored to individual applications
- Requirements “flowed down” to subcontractors



Specs & Standards Program Before Reform

- Added costs
- Limited contractor flexibility
- Imposed unique solutions
- Applied without thought





IMPLEMENTING SPECS AND STANDARDS REFORM

The Prime Directive

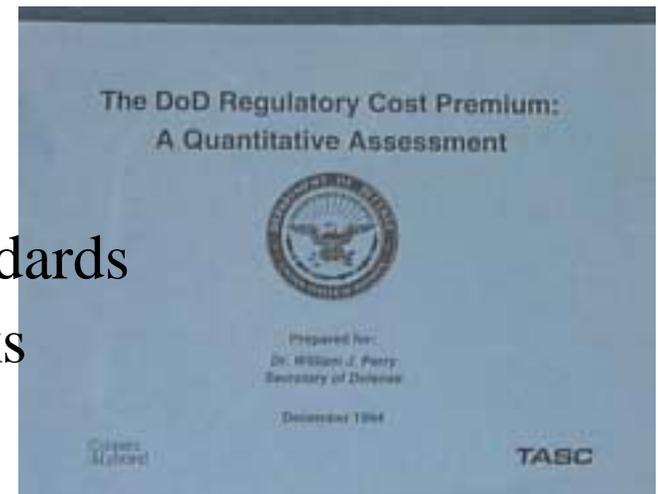
- ◎ *Establish A Performance-Oriented Solicitation Process By December 1994*
- ◎ *Implement Document Improvement Process*
 - ◎ *“Fix” 110 Mgmt & Mfr Stds NLT June 1996*
 - ◎ *“Fix” all specs and stds ASAP*
- ◎ *Create Irreversible Cultural Change*

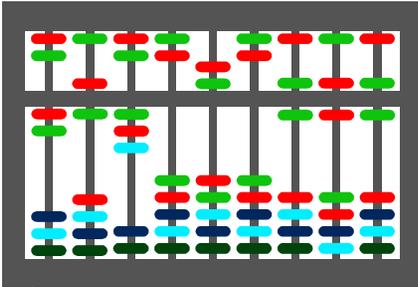
Performance Oriented Solicitation Process

- **New Policies Procedures**
 - **Waiver to Use Mil Specs**
 - **Control Development of New Documents**
 - **Standards Improvement Executives**
 - **Standards Improvement Council**
 - **No Processes on Contract**

Document Improvement

- Defense Standards Improvement Council Reviewed Top 110 Cost Driver Documents
 - 45 canceled without replacement
 - 6 retained for reprocurement only
 - 7 converted to performance specs
 - 9 replaced by non-government standards
 - 17 converted to guidance handbooks
 - 17 were updated and retained
 - 7 were retained as is
 - 2 still have outstanding action

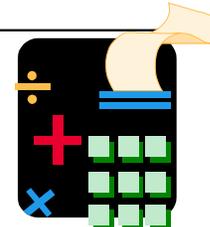




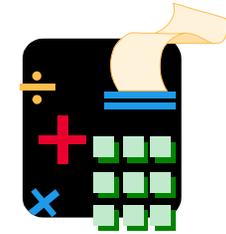
THE STATISTICS

| | |
|---|--------|
| MilSpecs in July 1994 | 28,901 |
| MilSpecs Canceled Without Replacement | 5,184 |
| MilSpecs Inactivated for New Design | 7,697 |
| MilSpecs Replaced by Non-Government Standards | 614 |
| MilSpecs Replaced by Commercial Item Descriptions | 573 |
| MilSpecs Converted to Performance Specs | 2,108 |
| MilSpecs Retained as Detail | 6,989 |
| MilSpecs Eliminated Prior to Automated Tracking | 5,736 |

Data comes from the Acquisition Streamlining and Standardization Information System Database (ASSIST) online information of Sept 17, 1999



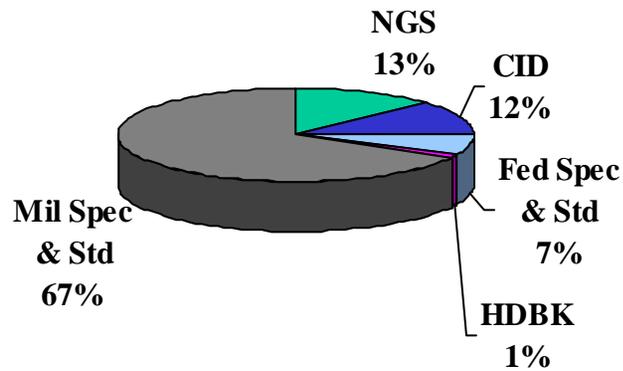
THE STATISTICS



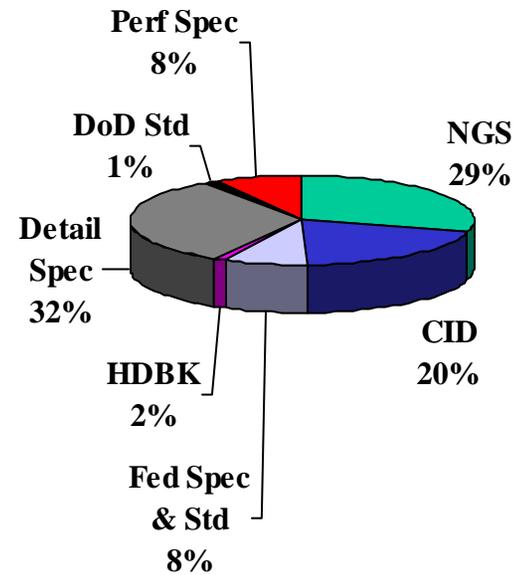
| | |
|--|-------|
| MilStds in July 1994 | 1,744 |
| MilStds Canceled Without Replacement | 589 |
| MilStds Inactivated for New Design | 212 |
| MilStds Replaced by Non-Government Standards | 69 |
| MilStds Replaced by Guidance Handbooks | 107 |
| MilStds Converted to Series Not Requiring Waiver | 489 |
| MilStds Converted to Series Requiring Waiver | 54 |
| MilStds Eliminated Prior to Automated Tracking | 224 |

MilSpec Reform Results

1994
(45,531 Specs & Stds)



1999
(28,326 Specs & Stds)



Cultural Change

- **Guidance Documents**
 - **Buying Commercial & Nondevelopmental Items**
 - **Market Research**
 - **Performance Specification Guide**
 - **Communicating Requirements**



Cultural Change

- Online Database
 - Document Information
 - MilSpec Reform Management Data
 - Link to National Standards System Network
 - Online Access to Standardization Documents
- MilSpec Reform Web Site





- HOME
- ABOUT THE DSP
- LIBRARY
- SPECS & STDS
- RELATED LINKS
- SD-11 DATABASE
- ISA DATABASE
- WHAT'S NEW?
- HELP
- SEARCH
- FEEDBACK



This Is What We Found!

All ASSIST documents matching your search criteria are listed below. Click on a *Document ID* value to view the Basic Profile for a document. In cases where a digital image or warehouse document is available, click on the  icon to link to the document's Revision History and associated images available for download.

Rows: 1 thru 2 of 2 Record(s)

Click on column headings for a description of column content.

|  | Document ID | Document Status | FSC/ Area | Title |
|---|-----------------------------------|-----------------|-----------|--|
|  | MIL-PRF-38535E(4) | Active | 5962 | INTEGRATED CIRCUITS (MICROCIRCUITS) MANUFACTURING, GENERAL SPECIFICATION FOR |
|  | QML-38535-12 | Active | 5962 | MICROCIRCUITS MANUFACTURING, GENERAL REQUIREMENTS FOR |

Digital documents and hard copy documents stored in the warehouse may be ordered using the [ASSIST Shopping Wizard](#) or by calling DODSSP Customer Service at 215-697-2179 [DSN 442-2179]. Please note that certain specifications and standards canceled prior to 1986 may not be available.

Rows: 1 thru 2 of 2 Record(s)

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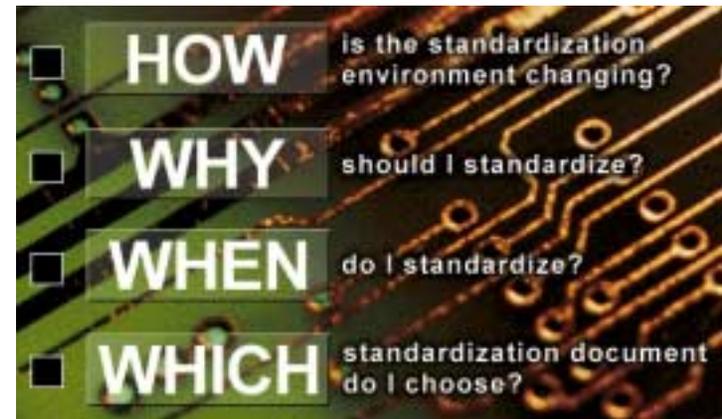


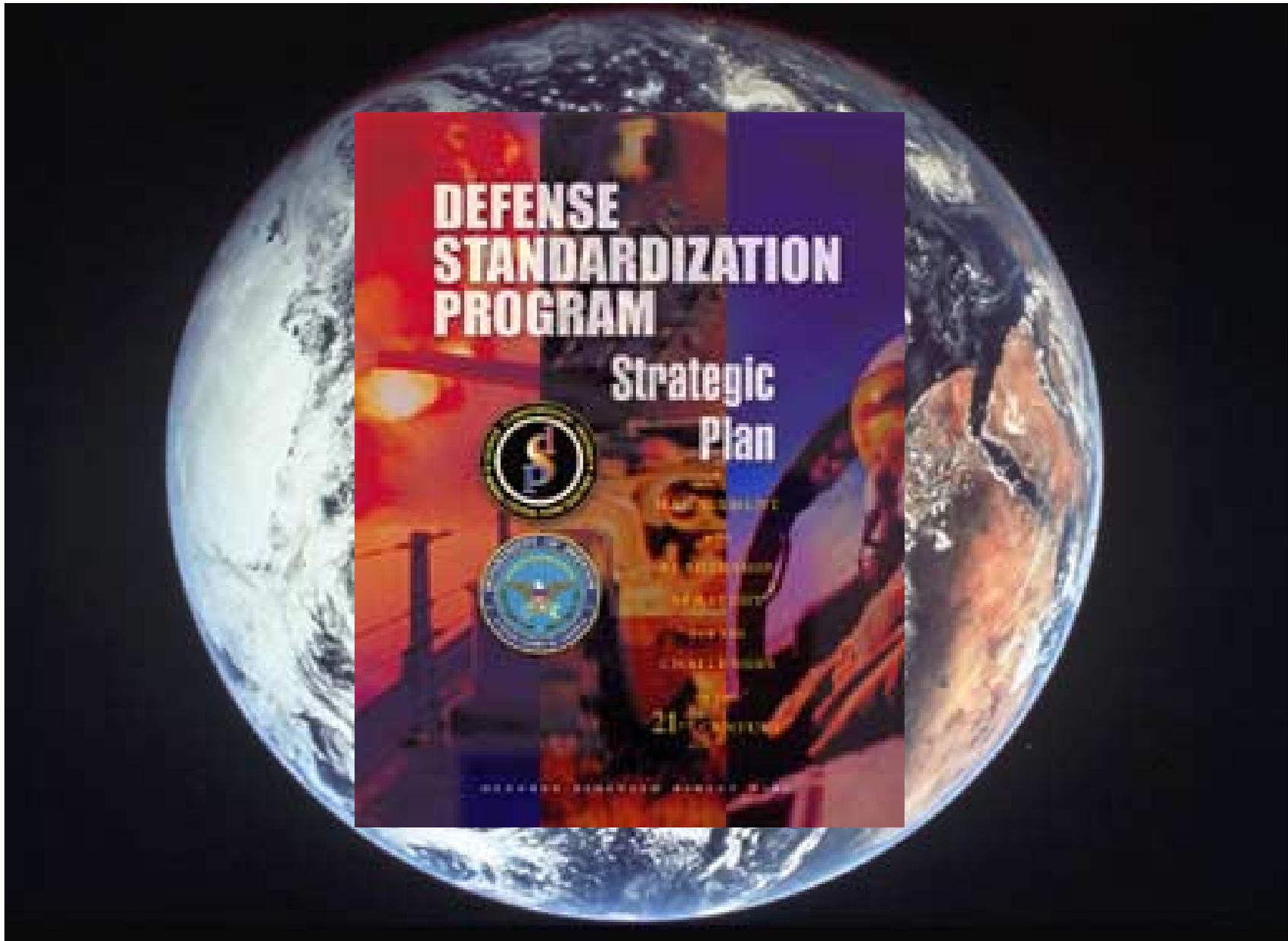
Defense Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.
 If you have any questions, please contact the appropriate ASSIST-Help Desk team:
 Account/Password Issues: 215-697-6257 [DSN: 442-6257], registration@daps.dla.mil.
 Other questions or comments: [ASSIST Feedback](#).



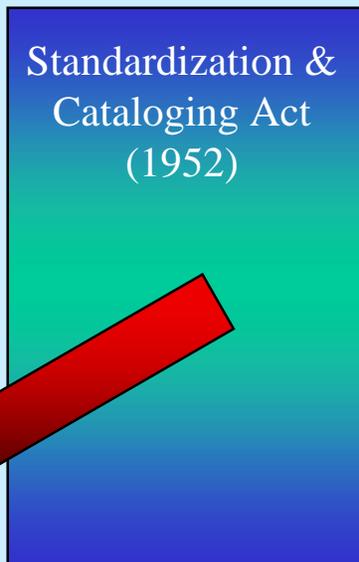
Cultural Change

- Training
 - Updated DAU Courses
 - Computer Based Training on Making Standardization Decisions
 - Online Turbo Specright
 - Workshops, Conferences, and Speeches

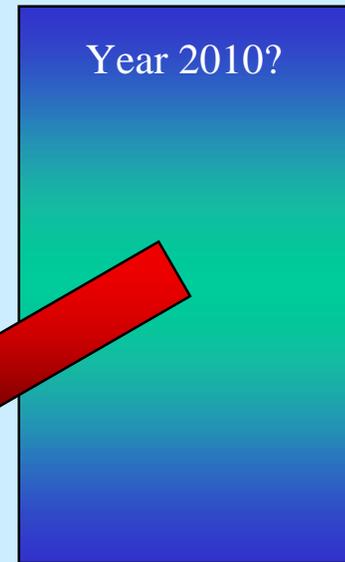
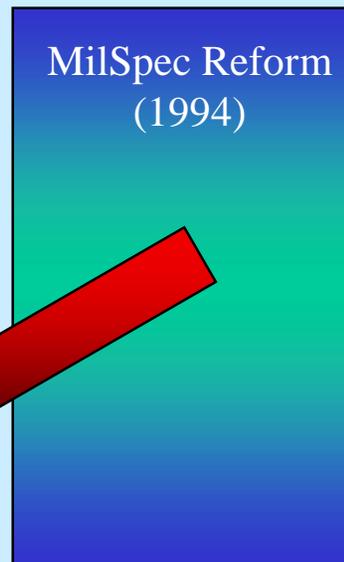




Organic Logistics Support
DoD Technology Leader
DoD Designs
Stable Technologies
Significant Market Presence
Few Commercial Standards



Reduced Budget/Resources
Privatization/Outsourcing
Organic/Contractor Logistics Support
Private Sector Technology Leader
Contractor/DoD Designs
Rapid Technology Change
Small Market Presence
More Commercial Standards



Stable Budget/Resources?
Coalition Warfare
Privatization/Outsourcing
Contractor Logistics Support
Commercial Technology Leader
Contractor Design
Systems Operating Decades Beyond Design Life
Rapid Technology Change
Small Market Presence
Commercial Standards

Standardization decisions are driven by the defense environment.

Supporting the Warfighter Through Standardization



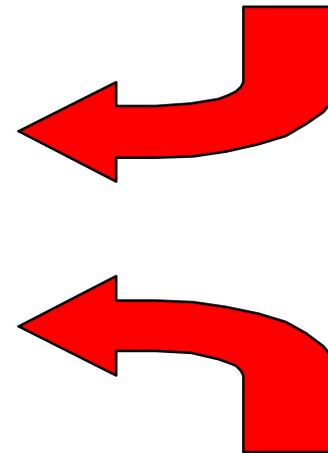
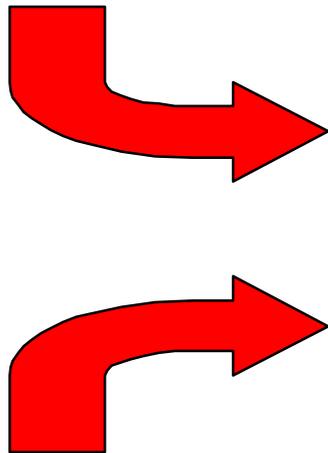
DoD Standardization Needs in a Contractor Support World

Operational Driven Standardization

- C4I Interoperability
- Single Battlefield Fuel
- Standard Munitions Interfaces

DoD Lessons Learned

- Safety
- Human Factors
- Reliability



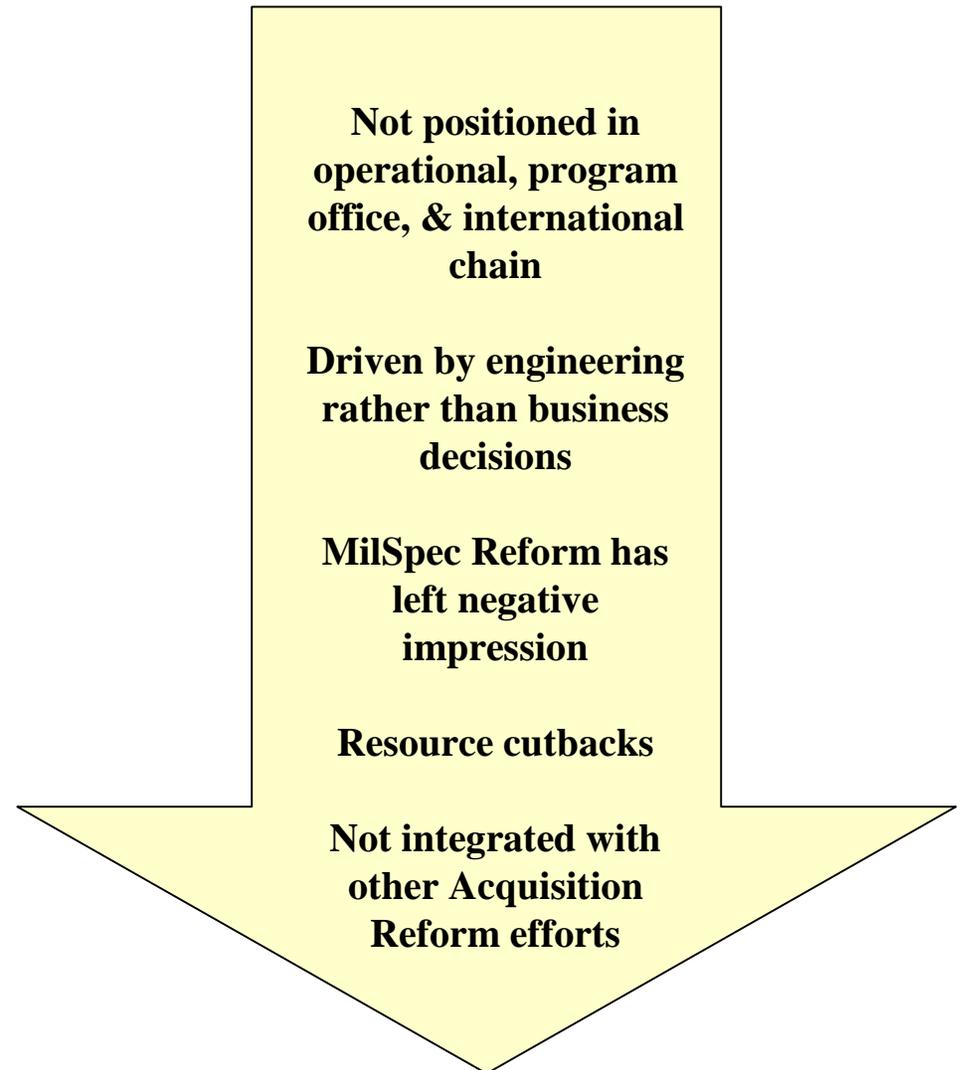
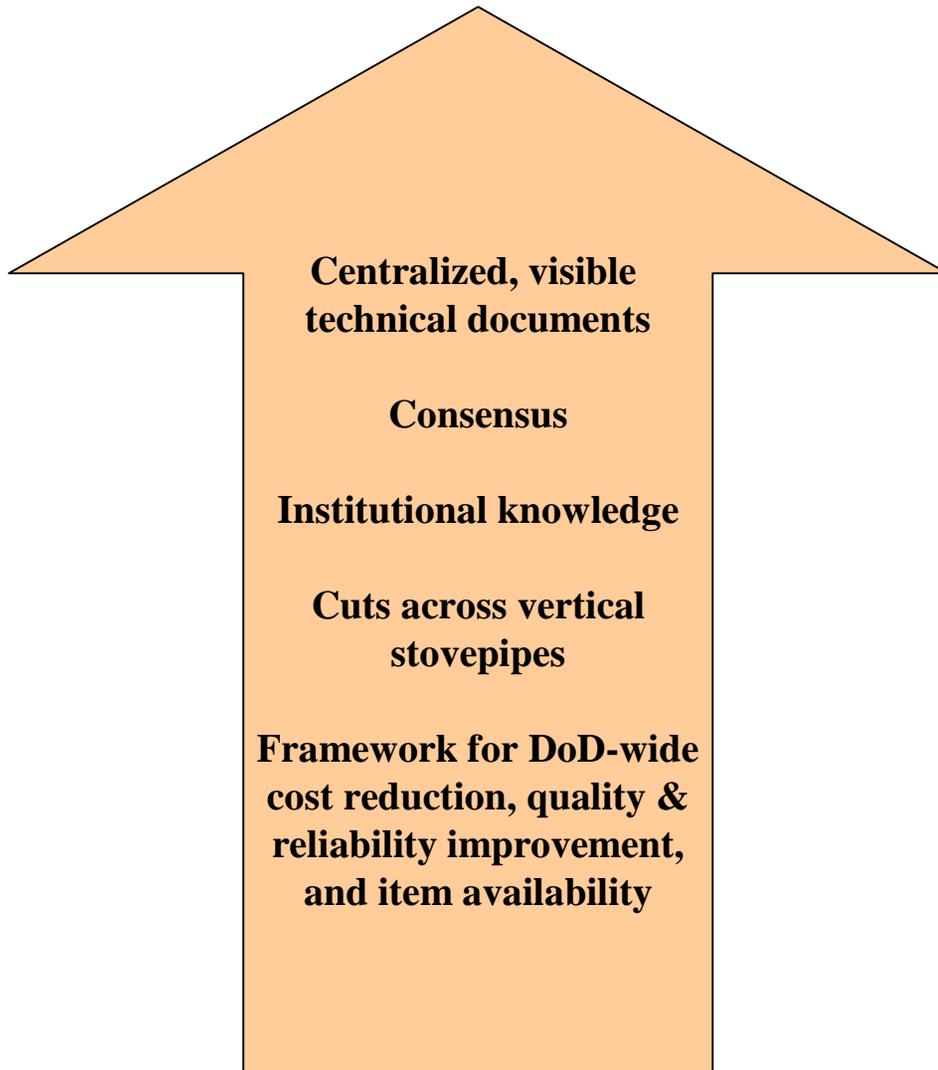
New Technology Development

- Night Vision
- Composite Materials
- Coatings

Horizontal Technology Insertion

- Need to Communicate Good Ideas from Other Programs

DSP Strengths



DSP Weaknesses

Future Direction

- MilSpec Reform Focused on Documents
- Standardization Strategic Plan Focuses On:
 - Vision 2010 Interoperability Goals
 - Open Systems Implementation
 - Product Support Initiatives
 - Competitive Contractor Support
 - Focused Logistics

A Return To Standardization's Core Mission

DSP PURPOSE

To champion Standardization throughout the DoD to reduce costs and improve operational effectiveness.

DSP MISSION

Identify, influence, develop, manage, and provide access to standardization processes, products, and services for the warfighter, the acquisition community, and the logistics community to promote interoperability, reduce total ownership costs, and sustain readiness.

DSP VISION

DSP is a comprehensive, integrated standardization program linking DOD acquisition, operational, sustainment, and related military and civil communities, that is universally recognized for advancing DOD's Joint Vision 2010 and acquisition goals.



Focus Areas

Interoperability

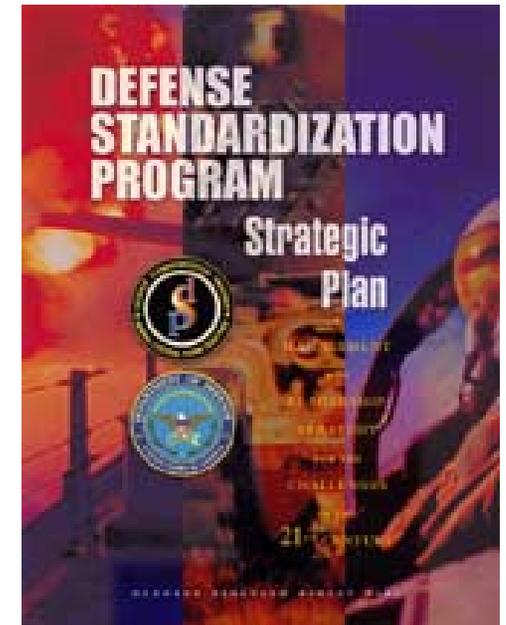
Logistics Readiness

Total Ownership Cost

Leadership & Management

Infrastructure

Processes, Products, & Services



ARMY LED ACTIONS

- Leadership Plan
- Communicate Key Info
- Increase User Involvement
- Improve Access & Awareness
- Develop Case Studies

NAVY LED ACTIONS

- Integrate with Operational/Acq & Log Worlds
- Provide Interoperability Info & Guidance to Users
- Address Stdz Opportunities & Needs
- Define Role in Focused Logistics

ACTIONS

AF LED ACTIONS

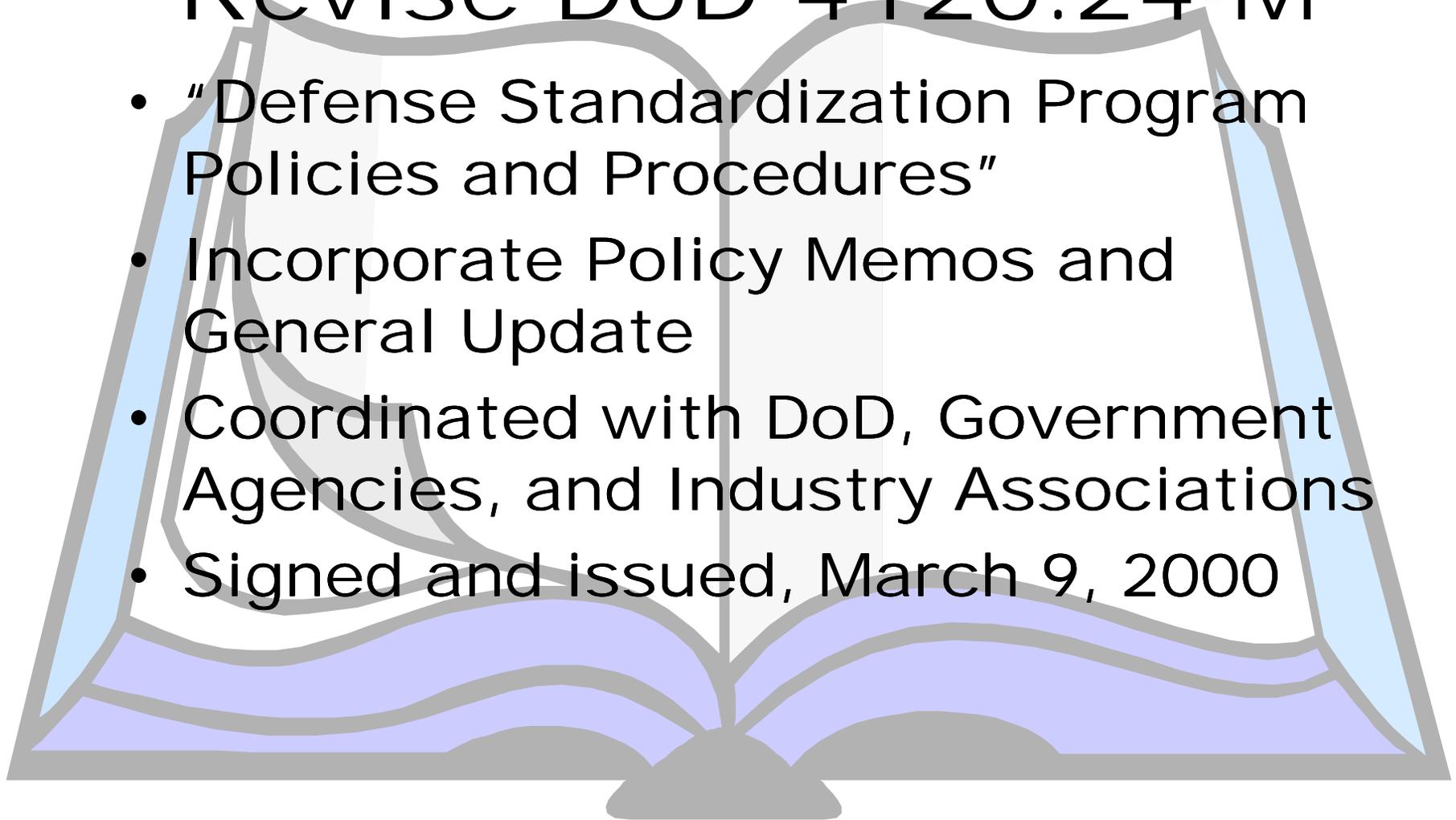
- Develop DSP Info Exchange
- Develop Funding Strategy
- Develop Staffing Strategy
- Develop Training Strategy
- Analyze Alternatives to Current Infrastructure

DLA LED ACTIONS

- Improve Current DSP Processes
- Integrate Materiel Stdz Efforts Under DSP
- Harmonize DSP Policies with Acq Reform

Revise DoD 4120.24-M

- “Defense Standardization Program Policies and Procedures”
- Incorporate Policy Memos and General Update
- Coordinated with DoD, Government Agencies, and Industry Associations
- Signed and issued, March 9, 2000



Qualification Working Group

- Reevaluating Existing Conformity Assessment Policies
 - Expand
 - Retain Status Quo?
 - Recognize Third Party?
 - Something Else?



and in the near future

- National Standards Strategy
- More Automation Enhancements
- Revisions to MIL-STDs 961, 962, 963
- Incorporation of Data Item Descriptions into ASSIST
- Greater Involvement in International Standardization – Voluntary and Treaty



HOME

ABOUT THE DSP

LIBRARY

SPECS & STDS

RELATED LINKS

SD-11 DATABASE

ISA DATABASE

WHAT'S NEW?

HELP

SEARCH

FEEDBACK

Click on the image to learn more about each topic and on the center logo to learn about the DSP Strategic Plan.

A central graphic for the Defense Standardization Program (DSP) Strategic Plan. It features a central circular logo with the letters 'd' and 's' in red and 'p' in blue, surrounded by the text "DEFENSE STANDARDIZATION PROGRAM" and "MAKING SYSTEMS WORK TOGETHER". The graphic is divided into four quadrants: top-left (Interoperability) with a network diagram; top-right (Sustainment) with icons of a syringe, fuel tank, tire, and helmet; bottom-left (Commercial-Military Integration) with icons of a hand shaking and a car; bottom-right (Online Documents) with a globe and binary code. The background is a mix of dark blue, red, and yellow.

Is Standardization Important in the Future?

“Militaries are transforming themselves and thus creating uneven and divergent capabilities.

Communication and other interoperability requirements become increasingly difficult, even while coalition operations become more prevalent.”

Source: National Security in the 21st Century

“We will also place greater emphasis on common usage between Services and increase interoperability among the Services and multinational partners.”

Source: Joint Vision 2010

“There are five specific goals which I believe require immediate attention. (1) We must create an integrated, secure, and smart command, control, communications, computing, intelligence, surveillance, and reconnaissance infrastructure on a multi-service basis.... (5) Last, we must achieve interoperability with our allies ---- an essential requirement for coalition warfare.”

Source: Undersecretary of Defense Jacques Gansler in numerous speeches

“The Persian Gulf War revealed the shortfalls and deficiencies of airborne reconnaissance that require corrective action to ensure the warfighter’s intelligence requirements are met.... The Air Force’s U-2 and JSTARS, and the Army’s OV-1D Mohawk each have Synthetic Aperture Radar (SAR) built by different defense contractors; each have unique SAR processors; and each have different ground stations; hence, none of these systems is interoperable.”

*Source: “The Future of Airborne Reconnaissance”
by Major Keith J. Gentile, USAF*