

DMSMS and Parts Management Program Updates

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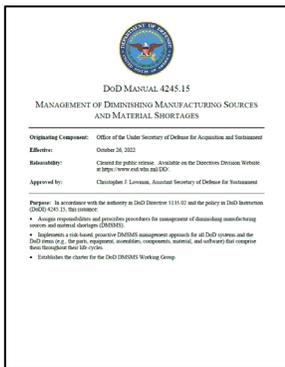
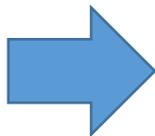
Policy and Guidance



**DoDI 4245.15
DMSMS Management
November 2020**

- Establishes policy
- Assigns responsibilities
- Prescribes overarching procedures

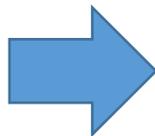
13-page strategic document



**DoDM 4245.15
Management of DMSMS
October 2022**

- Reinforce policy
- Assigns responsibilities
- Prescribes detailed procedures

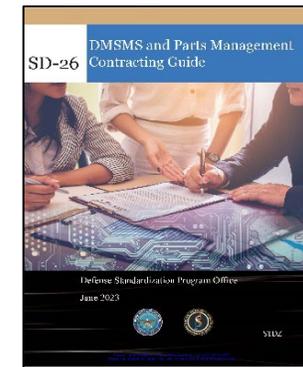
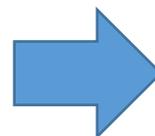
41-page strategic document



**SD-22, DMSMS
Management Guidance,
March 2024**

- Best practices for implementing a robust DMSMS Management Program

335-page guidance document



**SD-26, DMSMS and Parts
Management Contracting
Guidance June 2023**

- DMSMS Contracting best practices
- Parts Management Contracting best practices

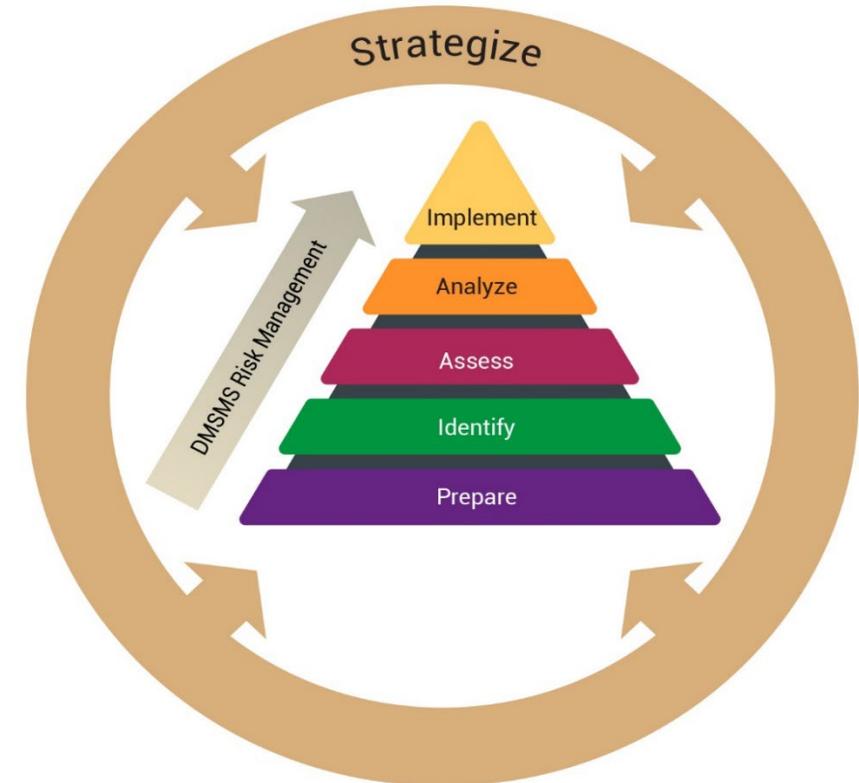
79-page guidance document



What is ... DMSMS Management?

Strategic processes weave throughout these steps, to delay or prevent the occurrence of DMSMS issues and increase the likelihood of low-cost resolutions available for implementation.

- DMSMS Management is a multidisciplinary process to:
 - **Prepare** DMSMS Management Program infrastructure
 - **Identify** issues resulting from obsolescence, loss of manufacturing sources, or material shortages
 - **Assess** the potential for negative impacts to schedule and/or readiness
 - **Analyze** potential mitigation strategies
 - **Implement** the most cost-effective resolution strategy



DMSMS Management is a dynamic process and it never ends!



Services & Program Office Requirements

■ Services:

- ✓ Establish DMSMS management policy, guidance, and training
- ✓ Designate a lead office
- ✓ Designate Working Group member
- ✓ Confirm adequacy of risk evaluation in technical reviews
- ✓ Establish metrics and internal reporting requirements
- ✓ Share cases with GIDEP
- ✓ Direct supply organizations to identify and communicate issues and risks
- ✓ Direct acquisition organizations to follow procedures
- ✓ Coordinate with other organizations to address risk

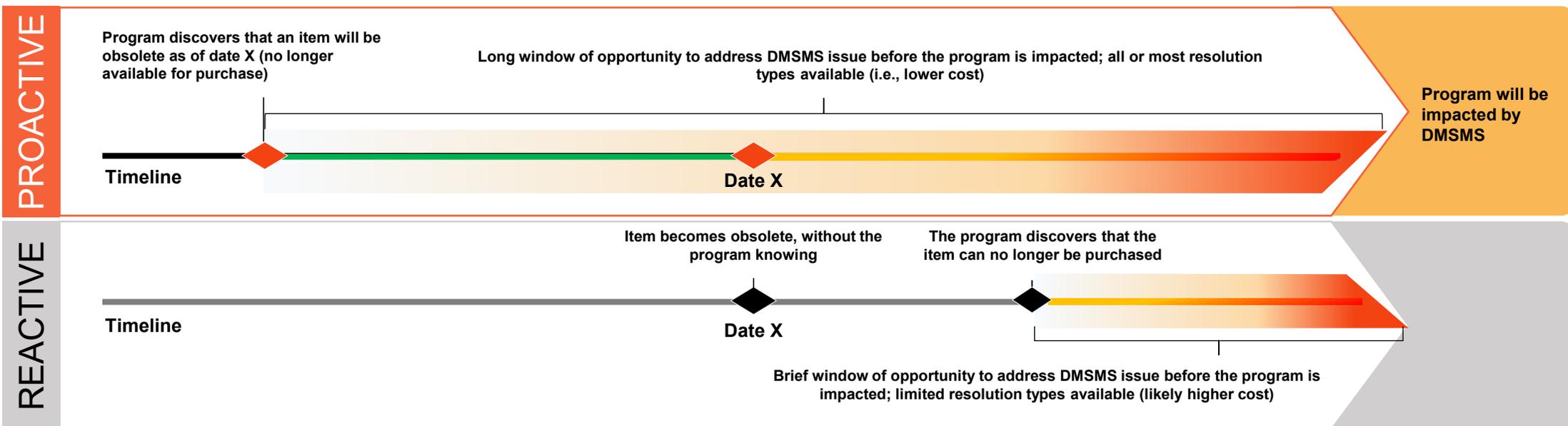
■ Program Offices:

- ✓ Develop and Update DMSMS Management Plan
- ✓ Maintain Data
- ✓ Evaluate Designs for DMSMS
- ✓ Mitigate Risks
- ✓ Program and Budget for Operations and Resolutions
- ✓ Include Provisions in Contracts for Reporting, Technical Data, Exit Strategy
- ✓ Evaluate Activities during Logistics Assessments and Technical Reviews
- ✓ Resolve Issues in a Timely Manner
- ✓ Communicate with Supply Organizations to Mitigate Risk
- ✓ Train their Workforce



Buys You Time to Make More Cost-Effective Decisions

- DMSMS Forecasting and Resolution -
 - Increases the likelihood of implementing a lower cost resolution / More time to consider all options
 - Eliminate DMSMS-related schedule impacts and readiness degradations
 - Increases operational availability
 - Reduces or controls total ownership cost

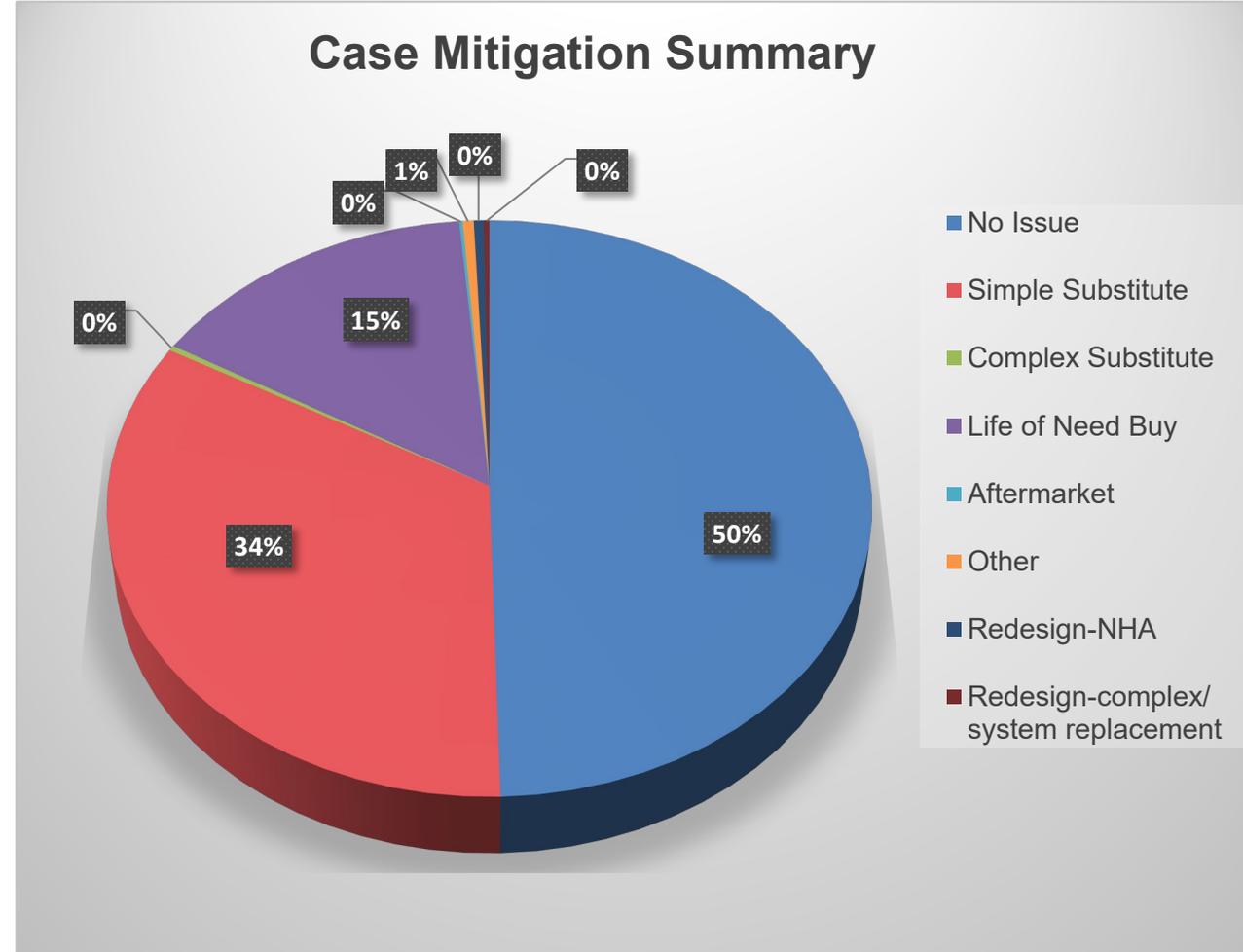


Robust DMSMS management minimizes the impact to Cost, Schedule, and Performance



More Likely to Avoid Out of Cycle Redesigns

Case Solution	Quantity
No Issue	4143
Simple Substitute	2809
Complex Substitute	24
Life of Need Buy	1268
Aftermarket	13
Other	42
Redesign-NHA	38
Redesign-complex/ system replacement	21
TOTAL	8,358



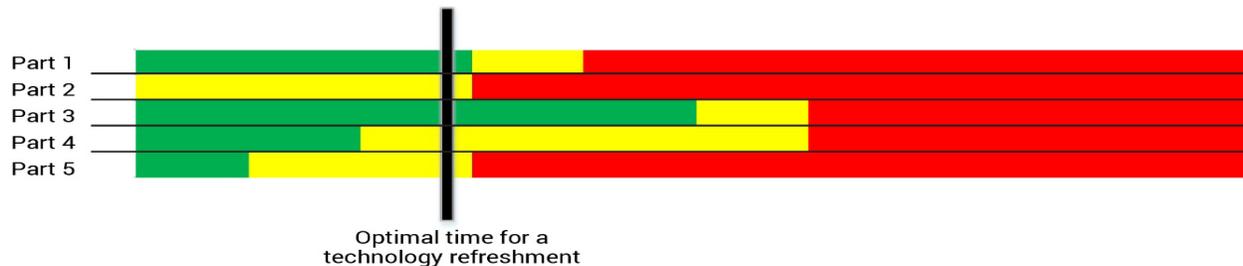
99.3% Cases Resolved without Redesign!



Helps You Prepare & Justify DMSMS Budget Requests

Level	Display Name	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
1	APL12345::PN54321 Network System, Ship Class 1	0.43	0.43	0.44	0.46	1.35	1.49	3.52	3.76	3.82	3.89	3.95
2	APL23456::PN43210, SERVER ASSY U1	0	0	0	0	0	0	2.09	2.12	2.14	2.16	2.19
2	APL34567::PN32109, SERVER ASSY U2	0	0	0	0	0	0	1.81	1.83	1.85	1.87	1.89
2	APL45678::PN21098, SERVER ASSY U3	0	0	0	0	0	0	1.81	1.83	1.85	1.87	1.89
2	APL56789::PN10987, SERVER ASSY U4	0	0	0	0	0	0	1.81	1.83	1.85	1.87	1.89
2	APL67890::PN09876, SERVER	0	0	0	0	0	0	0	0	0	0	0
2	APL78901::POWER DIST UNIT (PDU)	0	0	0	0	0	2.3	2.31	2.32	2.34	2.35	2.36
2	APL189012::PN198765, SW NETWK	0	0	0	0	1.41	1.44	4.01	4.08	4.15	4.22	4.29
2	APL289012::PN298765, SW NETWK	0	0	0	0	1.39	1.42	3.97	4.03	4.1	4.18	4.25
2	APL389012::PN398765, SW NETWK	2.01	2.05	2.08	2.3	4.91	5.21	10.98	11.34	11.55	11.77	11.98
2	APL489012::PN498765, SW NETWK	1.88	1.92	1.95	2.16	6.02	6.32	11.77	12.14	12.37	12.6	12.83
2	APL589012::PN598765, SW NETWK	1.33	1.35	1.38	1.4	2.64	2.69	5.89	6	6.11	6.22	6.33
2	APL689012::PN698765, SW NETWK	1.33	1.35	1.38	1.4	2.64	2.69	5.89	6	6.11	6.22	6.33
2	APL789012::PN798765, SW NETWK	1.4	1.42	1.45	1.47	2.75	2.8	6.43	6.54	6.65	6.77	6.88
2	APL889012::PN898765, SW NETWK	1.4	1.42	1.45	1.47	2.75	2.8	6.43	6.54	6.65	6.77	6.88
2	APL989012::PN998765, SW NETWK	0	0	0	0	1.52	1.54	3.47	3.52	3.56	3.61	3.66
2	APL089012::PN098765, SW NETWK	0	0	0	0	1.46	1.48	3.31	3.36	3.41	3.46	3.51
2	APL555667::Switch, U22	0	0	0	0	0	0	0	0	0	0	0
2	APL555666::Switch, U22	0	0	0	0	0	0	0	0	0	0	0
2	APL998866::PN556677, SERVER ASSEMBLY	0	0	0	0	1.3	1.31	1.32	1.34	1.35	1.37	1.38
2	APL445588::PN668899 Fiber Optic Cable	0	0	0	0	0	0	0	1.1	1.11	1.12	1.13
2	APL228855::PN663399, GIG-E Switch	0	0	0	0	0.9	0.91	4.2	4.27	4.34	4.41	4.48
2	APL117744::PN771144, NETWORK SECURITY PROTECTION SYSTEM	0	0	0	0	0	0	0	2.64	2.66	2.68	2.7

- Proactive DMSMS Management:
 - ✓ Allows you to calculate when issues within a subsystem will affect readiness
 - ✓ Helps you determine optimal time for technology refresh
 - ✓ Informs you of what date to buy “end of need buys” up to
 - ✓ Helps you justify budget requests with information to back you up
- You will more likely be successful in obtaining a budget line item that is funded across FYDP for DMSMS Management Operations and Resolutions





Development of Strategic Communications Templates

Identify the information that Leadership needs to clearly understand the importance of DMSMS problems; and layout the support needed from Leadership to mitigate the problem

- Interface with Subject Matter Experts to identify:
 - The types of actions and decisions the DMSMS community needs from senior level decision makers
 - The information necessary to support those actions and decisions
 - Effective techniques for conveying that information
- Conduct interviews with Program Managers and Product Support Managers to validate those findings
- Present preliminary findings; solicit comments and feedback
- Adjudicate comments and finalize strategic communications templates

Need assistance to start -
Who should we talk to?

- ✓ Service leads?
- ✓ Those who speak to leadership?
- ✓ Leadership?

What is the best approach?



DMSMS Policy Implementation Assessment



- Determine the extent to which the Military Departments are following DMSMS policy
 - Provides improved understanding to enable additional, more targeted DMSMS management process assistance.
- Identify and rank challenges and obstacles to implementing and benefitting from DMSMS policy
 - Helps practitioner community gain insight into the types of additional resources and strategic objectives to pursue to further mature DMSMS management policy, guidance, training, and tools.
- Characterize the scope and scale of DMSMS risk facing DoD systems to inform senior leaders.
 - Helps DMSMS management community better characterize the DMSMS risk faced by to the Department
 - Alleviates leadership assumption that Program Offices are not engaged in proactive DMSMS management
- Establish a baseline against which to measure the effect of DMSMS policy.



Assessment Questions

Program Office Census

1. Program office name?
2. How many platforms or systems does your program office manage?
3. What is the name of the platform/system for which you are responding to the assessment questions?
4. Under which military branch or other defense agency does your platform/system fall?
5. What ACAT level is your platform/system?
6. Which acquisition pathway and associated life cycle phase currently applies to the platform/system?
7. In what domain(s) is the platform/system intended to operate?
8. Which of the system types listed best characterizes the platform/system?

General Questions

9. How familiar are you with:
 - 9a. DoDI 4245.15, DMSMS Management?
 - 9b. DoDM 4245.15, Management of DMSMS?

DMSMS Management Plan (DMP)

10. Is there an approved DMP for the platform/system?
11. Who performs the majority of the DMSMS management activities for the platform/system?
12. What, if any, DMSMS management activities are the prime contractor/OEM or independent DMSMS SMEs contracted to perform for the platform/system?

DMSMS Management Team (DMT)

13. Is there a DMSMS management lead for the platform/system?
14. Is there a DMSMS management team associated with the platform/system?
15. How frequently do DMSMS management stakeholders meet to discuss DMSMS issues and resolutions associated with the platform/system?
16. Which types of stakeholders are represented on and/or engaged by, as appropriate, the DMT associated with the platform/system?
17. What training have members of the DMT associated with the platform/system received?

Identification of DMSMS Risks and Issues

18. To what extent are the initial platform/system designs and redesigns evaluated for DMSMS risks throughout the life cycle?
19. Is proactive monitoring performed (whether by the government program office, prime contractor, and/or independent SME organization) for DMSMS risks and issues for the platform/system?
20. Is forecasting for future DMSMS issues performed (whether by the government program office, prime contractor, and/or independent SME organization) for the platform/system?

DMSMS Case Management and Operations Data Collection

21. Is data on DMSMS cases collected and maintained for the platform/system?
22. Are DMSMS management operations programmed and budgeted for the platform/system?
23. Do you budget for DMSMS resolutions for the platform/system?
24. What was the overall return on investment in FY 23 of the proactive DMSMS management operations approach for the platform/system?

Best Practices

25. Please describe any additional, proactive DMSMS management best practices (and the positive impact of those best practices) implemented for the platform/system that you would like to highlight?



Parts Management Improves System Outcomes

Effective Parts Selection and Management Yields Parts that are:

Functional

Affordable

Producible

Trustworthy

Reliable

Sustainable

Enables

Better System Outcomes:

Assures parts meet requirements

Improves part and supplier quality

Reduces risk of system compromise

Assures systems function as intended

Enhances system readiness and interoperability

Provides DMSMS resilience

Reduces acquisition lead-time

Increases supportability

Enhances reliability, availability, and maintainability

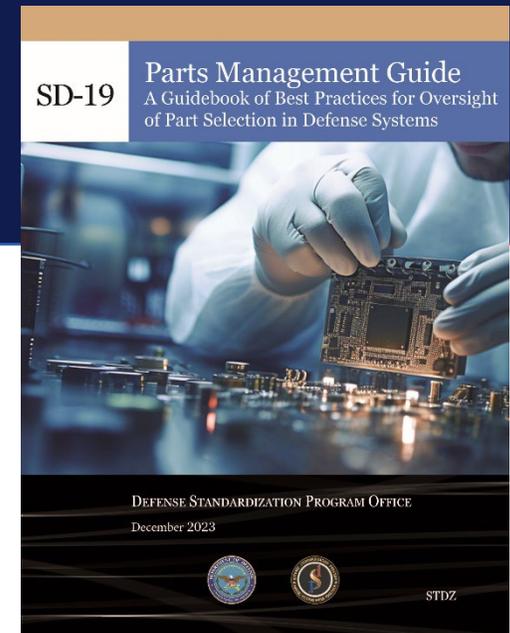
Reduces logistics footprint

Reduces total ownership costs

Part selection decisions substantially impact all aspects of system operation and sustainment costs

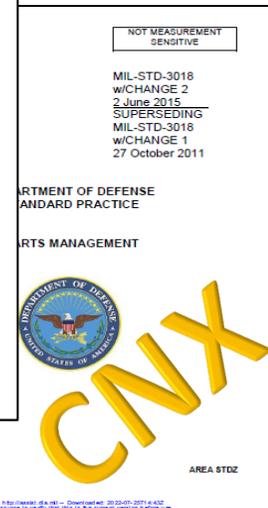
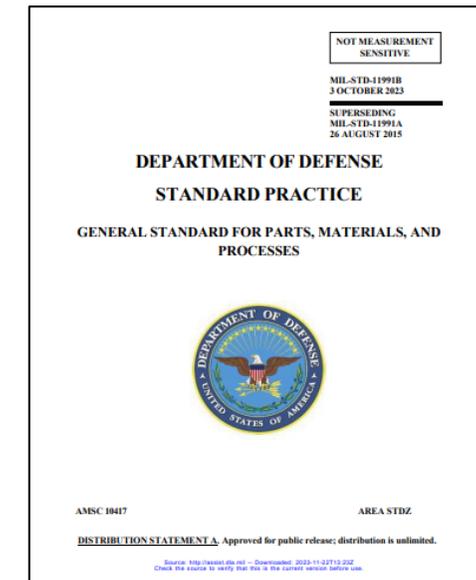


SD-19 Parts Management Guidebook



Definitions, Responsibilities, Importance, Policy and Guidance

- Program Offices should make an initial assessment of the specific risks associated with parts selection, procurement, and use on the systems of interest
- Program Offices should determine the type and extent of oversight necessary to reduce risk to an acceptable level
- Program Offices should secure sufficient subject matter expertise to conduct oversight
- Based on the risks and available subject matter expertise, Program Offices should develop, approve, and implement a risk-based government Parts Management Plan to:
 - Oversee contractors' Parts Management activities and ultimately the parts selected for system designs and part selections made during production and sustainment
 - Ensure sound parts selection, procurement, and usage when design or support/sustainment activities *performed or provided* organically by the government (where applicable)
 - Mitigate the risks associated with changes to parts selected



Program Office's Parts Management Program

Recordkeeping and Metrics

Tools and Training



Parts Management Policy

- Effective parts management (parts selection) is important to the long-term success of DoD programs.
- Parts management is mentioned in DoDI 5000.88; however, the policy does not comprehensively address the procedures for parts management for applicable DoD systems.
- The new DoDI on Parts Management (parts selection) will -
 - Establish policy, responsibilities, and procedures for parts management throughout the lifecycle of all applicable DoD systems.
 - Be consistent with the new parts management oversight paradigm in the SD-19.
 - Implement the parts management oversight process for parts selection during system design and modification as well as for part changes during production and sustainment - ensures the most optimum parts are used in weapon systems and equipment.
 - Require the MILDEPs to maintain parts management record keeping and report information to support assessing and improving the DoD's parts management effectiveness.



Networking Opportunities, Training, and Recognition

Working Groups

- Monthly Advisory Team Meetings
- May 14-15, 2024 (virtual)
- July 2024 (Alexandria, VA)
- December 2024 (virtual)

DAU Resources

- Parts & Material Lifecycle Management Credential
- Monthly Webinars
- Knowledge Sharing Portals



Conferences

- August 6-8, 2024, DSPO Conference (Tysons, VA)
- October 21-25, 2024, IIOM Symposium (Williamsburg, VA)
- August 11-15, 2025, DMSMS & Parts Management Conference (Ponte Verda, FL)



2023 Awards

- Obsolescence Management Team Air-to-Ground Missile Systems Product Management Office (ARMY)
- PMA-261, H-53 DMSMS Team (NAVY)



Building Better International Relationships and Interfaces

- Evaluate interfaces between Foreign Military Sales (FMS) community and DMSMS management teams
 - Evaluate existing interfaces and identify gaps where interfaces could be improved
 - Determine the feasibility of closing those gaps
 - Recommend improvements, where feasible
 - If you are aware of existing FMS and DMT interfaces or have ideas for how these interfaces could be improved, please let us know which Program Office POCs should we talk to?
- Ensure that the processes and best practices in DMSMS and Parts Management policy and guidance remain consistent with international standards
 - Assist in revisions of SD-22 and DoDM 4245.15, as appropriate
 - Develop SD-26 DMSMS and Parts Management Contracting Guide updates, as necessary
 - Assist other countries' MoDs to implement DMSMS management processes that are consistent with US processes
- Identify opportunities for research collaboration and approaches for such collaboration with international institutes focused on obsolescence management
 - Identify research collaboration opportunities
 - Suggest research approaches for such collaborations
 - Assist in shaping the IIOM 2024 Conference, as a replacement for the annual DMSMS and Parts Management Conference in FY 2024



How Can You Help?

- Follow policy and guidance and adhere to best practices
- Service DMSMS leads assist in strategically planning our way-forward
 - Inputs from their Teams / Working Groups on a 3 to 5-year plan
- Recommendations to update:
 - DoDI and DoDM 4245.15 DMSMS Management,
 - SD-22 DMSMS Guidebook and DMSMS Management Plan (DMP) Template,
 - SD-26 DMSMS and Parts Management Contracting Guide
 - SD-19 Parts Management Guidebook and MIL-STD-11991B Parts, Materials, Processes
 - SAE-STD-0016 DMSMS Management Plan and IEC-62402: 2019 Obsolescence Management
 - DAU Parts Management Course
- Let's develop Strategic Communications Templates
- Let's build better International DMSMS management relationships and interfaces
- Follow the new Parts Management paradigm and support new Parts Management Policy
 - Encourage DMSMS resilient designs
 - Leverage and influence technology refresh plans and budgets
 - Help with lack of Supply Chain Visibility and Data Challenges
- Participate in and facilitate DAU Monthly Webinar Series; what topics should we cover in CY25?
- Support 2024 IIOM Symposium and 2025 DMSMS & Parts Management Conference (DPMC)

How Can I Help You?