

The DoD needs our help: New DMSMS Resolution Option

**In collaboration with OSD's Parts & Materials
Management Working Group (PMM WG)**

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NDIA MFG Division's Supply Chain Network Committee Chair

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The Opportunity

- **Contribute to the direction OSD gives to Product Support Managers about how to deal with parts obsolescence.**

SD-22

Diminishing Manufacturing Sources and Material Shortages

A Guidebook of Best Practices for Implementing a Robust DMSMS Management Program

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https://www.dau.edu/cop/dmsms/DAU%20Sponsored%20Documents/SD%2022_2021-01282021.pdf

Background

- **The Sponsor:**
 - **Parts & Materials Management (PMM) Working Group (previously known as DMSMS Working Group)**
 - **Robin Brown, OSD DMSMS/Parts Management Program Manager**
- **The Players:**
 - **Parts & Materials Management (PMM) Working Group (previously known as DMSMS Working Group)**
 - **Manufacturing Division's Supply Chain Network**
 - **Systems Engineering Division**
 - **Small Business Division**
 - **Integrated Program Management Division**

Project Scope

- **Refresh the definitions for 4 common DMSMS Resolutions:**
 - **Develop a New Source**
 - **Develop a New Item**
 - **Redesign – NHA (next higher assembly)**
 - **Redesign - Complex System Replacement**

- **Develop Cost Metrics of the above DMSMS resolutions for 3 types of Parts:**
 - **Electrical**
 - **Electronics**
 - **Mechanical**

Project Plan

Working with 2 OSD Staffers to:

- 1. NDIA mobilizes Industry working group (~6 folks)**
- 2. Jointly Develop an Industry Survey/Questionnaire**
- 3. OSD interviews a small group (~12 folks)**
- 4. NDIA circulates a wider survey for broader input**
- 5. Jointly consolidate the information**
- 6. OSD Review and Publish results**

Alright, WHO'S INTERESTED?

Candidates might be anyone:

- **who's impacted by parts obsolescence?**
- **who has ideas on the DoD could better deal with obsolescence.**

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 vacant – Raytheon
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SCOPE: Cost Elements

Table 13. Cost Elements as Applied to DMSMS Resolution Options

Cost Element	Existing Material (Logistics)				Substitute (Engineering)		Redesign (Engineering)		
	Approved Item	LON Buy	Repair, Refurbishment, Reclamation	Extension of Production or Support	Simple Substitute	Complex Substitute	Development of a New Item or Source	Redesign – Complex/ System Replacement	Redesign – NHA
Non-recurring engineering			X			X	X	X	X
Engineering, engineering data revision					X	X	X	X	X
Purchase of engineering, design, or technical data			X			X	X	X	X
Qualification of new items					X	X	X	X	X
Revision of test procedures			X			X	X	X	X
Software changes						X	X	X	X
Start-up costs (after-market, and so forth)			X	X			X	X	X
Testing			X		X	X	X	X	X
Tooling, equipment, test equipment, or software			X			X	X	X	X
Computer programs/documentation			X		X	X	X	X	X
Interim support							X	X	X
Supply/provisioning data					X	X	X	X	X
Support/test equipment			X			X	X	X	X
Technical manuals			X		X	X	X	X	X
Training/trainers			X			X	X	X	X
Item cost (optional)		X	X				X	X	X
Manpower (optional)			X						
Spares (optional)			X				X	X	X
Other (as required)	X	X	X	X	X	X			