



Department of Defense Commercial Off-The-Shelf Critical Electronic Assembly Selection Checklist

Parts & Materials Management Conference 2022

Approved for Public Release
22-MDA-11068 (10 Feb 22)



COTS Assembly Strategic Objective



- **Parts and Materials Management Working Group (PMMWG)**

- **Strategic Objective Problem:**

- *There are no standard procedures used by the Parts Management community (both Industry and government) to select Commercial off-the-shelf (COTS) assemblies.*

- **PMMWG Strategic Objective:**

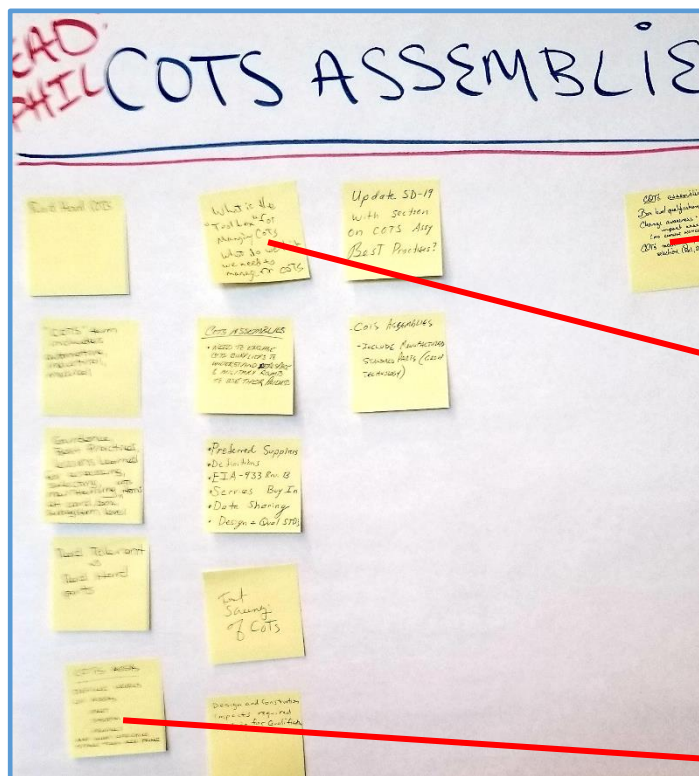
- *The goal of this Strategic Objective is to examine the problems associated with choosing and using COTS assemblies. Determine whether there should be common procedures used by both the Parts Management and the Diminishing Manufacturing Sources and Material Shortages (DMSMS) communities for selecting COTS assemblies throughout the entire program life cycle.*



Motivation to develop a COTS Electronic Assembly selection checklist



PMMWG Strategic Objective: COTS Assembly Spring 2018 Meeting Ideas



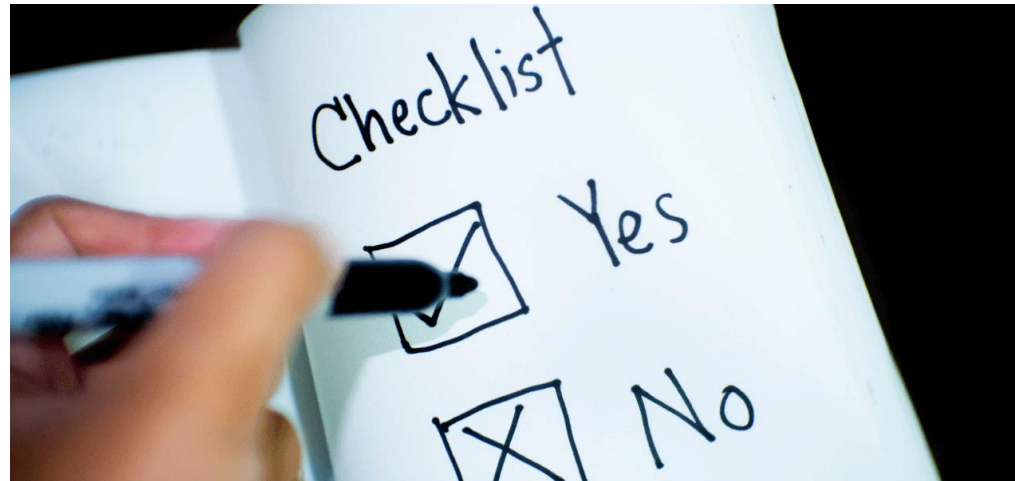
What is the "Toolbox" for Managing COTS
What do we think we need to manage for COTS

COTS assemblies
Box level qualification
Change awareness + impact assessment (NO CHANGE NOTICES)
COTS modeling for selection (Rel, Obs, etc)

COTS ASSYS
DEFINE LEVELS OF ASSYS
PART
SYSTEM
PRODUCT
AND WHAT LIFECYCLE STAGE THEY ARE FROM



Intended purpose of the Checklist



- **To help establish a structured and sound evaluation environment for program personnel to compare various Commercial Off-The-Shelf (COTS) electronic assemblies for use in safety critical or mission critical Aerospace, Defense, High Performance, and Space applications.**
 - Safety Critical refers to a condition, event, operation, process, or item that would cause a Catastrophic or Critical consequence if it fails.
 - Mission Critical refers to items that, if they are defective or should fail during use, will prevent command and control, sensors, weapons, combat, or flight systems or flight tests from achieving mission primary objectives.



Organizations contributing to the team and development efforts



- **Government and Industry organizations are part of the team effort.**
- **Organizations contributing directly to the effort include:**
 - **Government:**
 - Missile Defense Agency (MDA)(Co-Lead)
 - U.S. Army
 - U.S. Navy
 - U.S. Air Force
 - Defense Microelectronics Activity (DMEA)
 - National Aeronautics and Space Administration (NASA)
 - **Industry**
 - Lockheed Martin – Missiles and Fire Control (Co-Lead)
 - The Aerospace Corporation
 - ANSYS / DfR Solutions
 - Boeing
 - BAE Systems
 - Northrop Grumman
 - Integra Technologies
 - Microchip Technology
 - Logistics Management Institute (LMI)
 - North Atlantic Industries (NAI)
 - Behlman Electronics
 - Extreme Engineering Solutions




The development of the DoD checklist



- **Starting point of the Department of Defense (DoD) checklist**
 - MDA Parts, Materials, and Processes (PMP) Mission Assurance Plan (PMAP Rev C) Checklist
 - PMAP Rev C checklist was derived from NAVSEA Survey (SP-23) and an MDA program’s COTS selection checklist
- **Content from key standards, checklists, and best practices were tailored by the Strategic Objective Team**
 - SAE EIA-933 *Requirements for a COTS Assembly Management Plan*
 - Rev C draft was in-process at the time and its Lead is part of the Strategic Objective Team
 - Questionnaire Checklist from The Aerospace Corporation – *Key Questions to Ask When Considering Alternate-Grade EEE Parts for Small Satellite Missions*, Aerospace Report No. OTR-2017-00863
 - MIL-STD-11991 *General Standard for Parts, Materials, and Processes, Appendix B COTS Management*
 - SD-19 *Parts Management Guide*, Defense Standardization Program Office
 - SD-2 *Buying Commercial and Nondevelopment Items: A Handbook*, Defense Standardization Program Office
 - MIL-HDBK-1390 (LORA) *Level of Repair Analysis*

DEPARTMENT OF DEFENSE
STANDARD PRACTICE

GENERAL STANDARD FOR PARTS, MATERIALS, AND PROCESSES



MIL-STD-11991A
APPENDIX B

APPENDIX B
COTS MANAGEMENT

B.1. SCOPE

B.1.1 Scope. This appendix provides the processes to ensure that Commercial Off-The-Shelf (COTS) assemblies meet system requirements. For the purposes of this document, COTS assemblies include items such as printed wiring assemblies/circuit card assemblies (such as VME cards), relays, disk drives, liquid crystal display (LCD) matrices, servers, printers, laptop computers, etc.

MISSILE DEFENSE AGENCY
PARTS, MATERIALS, AND PROCESSES
MISSION ASSURANCE PLAN
(PMAP)





How to Use The DoD Checklist



- **Understand various aspects of the intended application of the COTS assembly**
 - Types of systems the COTS assembly will be used
 - For example: Small satellites, Large satellites, Cube satellites
 - Mission/Flight/Operating hours duration
 - Mission risks

- **DoD checklist may need other programmatic information to make a selection decision depending upon the intended application, supply chain considerations and mission risk**

- **The primary use of this DoD checklist should be for the selection of COTS critical electronic assemblies**
 - Consider the checklist as a guidance document / added tool to supplement available information for the success of the program
 - Some aspects of the checklist may not be applicable to all missions
 - Some items may need to be added to the checklist depending upon the mission requirements



Intended Users of the DoD Checklist



Personnel involved in the evaluation and selection of COTS assemblies for incorporation into the design of a Weapon System.

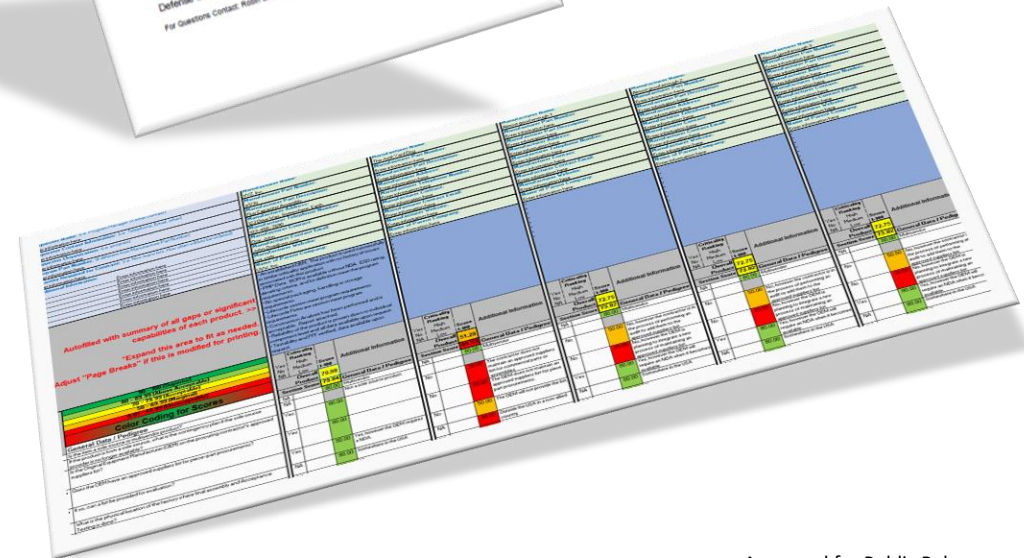
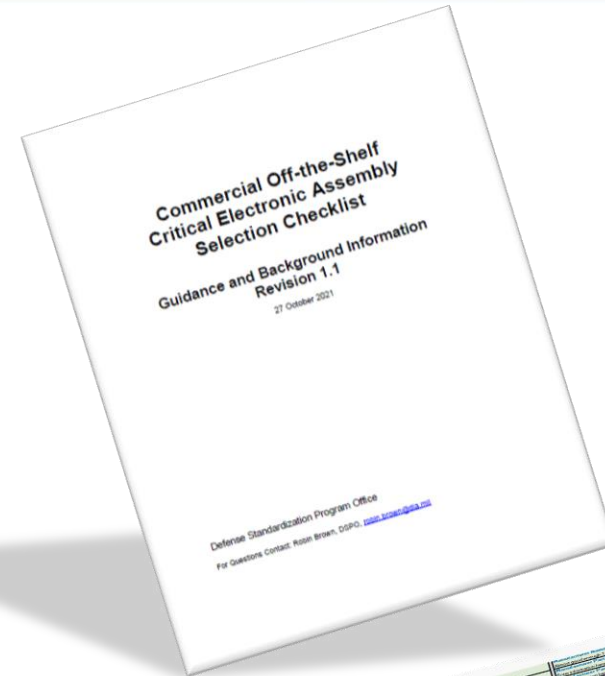
For example:

- Program Management
- Application and System Engineering
- Hardware, Software and Firmware Engineering
- Quality Engineering
- Reliability and Maintainability Engineering
- Production Engineering
- Parts, Materials, and Processes Engineering
- Radiation Assurance Engineering
- Mission Assurance Department
- Supply Chain Risk Management
- Obsolescence and Lifecycle Assurance
- Procurement
- Prime Contractors
- Supporting Labs



What does the DoD checklist consist of?

- **Guidance and Background Document**
 - Background
 - Motivation
 - Objective
 - Scope
 - Definitions
 - Acronyms
 - References
 - Description of each question's intent
- **Workbook**
 - Score Summary
 - The Checklist Tool
 - Product 1 - 5 (five worksheets)
 - Section Weights





Overview/Structure of the DoD Checklist



- **The DoD Checklist is structured into 8 Sections and has 57 Core Questions**
 - **Section 1 - General Info & Pedigree**
 - 8 Core Questions
 - **Section 2 - Parts, Materials & Processes Data**
 - 22 Core Questions
 - **Section 3 – Supportability**
 - 4 Core Questions
 - **Section 4 - Life Cycle**
 - 8 Core Questions
 - **Section 5 - Life Cycle Firmware**
 - 5 Core Questions
 - **Section 6 - Construction Analysis**
 - 4 Core Questions
 - **Section 7 – Reliability**
 - 3 Core Questions
 - **Section 8 – Testability**
 - 3 Core Questions



What does the DoD checklist consist of?

Step 1:
Program Manager
assigns section weights

Section Weights

Section Name	Criticality Weighting
General Data/Pedigree	1-100
Parts, Material & Processes Data	1-100
Supportability/Obsolescence	1-100
Lifecycle	1-100
Lifecycle Firmware	1-100
Construction Analysis Data	1-100
Reliability Information	1-100
Testability	1-100

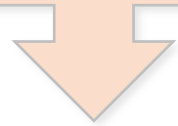
	A	B	C
1			
2		The Criticality Weights are set by the Program Manager or other deciding body. (It is suggested that 80 is used as a high mark and 20 for a low mark. This allows room for both above and below scores.)	Criticality Weighting (1 -100)
3		General Data / Pedigree	80
4		Parts, Materials and Process Data	80
5		Supportability / Obsolescence	80
6		Lifecycle	80
7		Lifecycle Firmware	80
8		Construction Analysis Data	80
9		Reliability Information	80
10		Testability	80
11			
12		Categoric Weights: Criticality Score weights assigned by category	
13		Independently / double-blind assignment from Checklist Item	
14		This worksheet is to be updated for an individual program, based on that program's requirements and risk tolerance	
15		This worksheet is filled out once for each program and updated each subsequent review point.	

Product 2 | Product 3 | Product 4 | Product 5 | **Section Weights**



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Construction Analysis Data	1-100
Reliability Information	1-100
Testability	1-100

Step 2:
SME* assigns
scores to
checklist
responses



Checklist Sections & Score Assignment

Section Name	Description of Questions	Score
General Data/Pedigree	Manufacturing sourcing depth, piece-part selection & procurements, International Organization for Standardization (ISO)	1-100
Parts, Material & Processes Data	Technical documentation, qualification, derating, Bill of Material availability, Electrostatic Discharge, Stress analysis	1-100
Supportability/Obsolescence	Storage, shelf-life, warranty, licensing	1-100
Lifecycle	Obsolescence, support services, technology upgrades, Supply Chain	1-100
Lifecycle Firmware	Software/Firmware updates, maintenance	1-100
Construction Analysis (CA) Data	Workmanship standards, CA standards, reporting	1-100
Reliability Information	Reliability assessment and modeling, thermal data	1-100
Testability	Testing to failure, test data availability	1-100



Demonstrate How the DoD Checklist Works



Overview of the main worksheet:
Capable of reviewing 5 products in one workbook

Programmatic Information	Product 1	Product 2	Product 3	Product 4	Product 5																																																																																		
Requester Name: (i.e. Program Manager or other contact) Enter information here Requester Contact Information: (i.e. Telephone, Email, other) Enter information here Requester Organization: (i.e. program) Enter information here Program Part Number: (If different from Manufacture Part Number) Enter information here Quantity Required for Contract: (i.e. How many lots, How often will lots be ordered) Enter information here Additional Information: Enter information here Enter information here Enter information here Enter information here Enter information here Enter information here	Manufacturer Name: XYZ, Inc. Manufacturer Part Number: a123z Manufacturer Part Description: Flex Capacitor Assembly Manufacturer Address: 123 Drive Way, Somewhere, Earth Manufacturer Telephone Number: 123-456-7890 Manufacturer Contact: Doe, John Manufacturer Contact Email: John.Doe@svz.com Manufacturer Website: svz.com Name of Parent Company: UVW, Inc.	Manufacturer Name: The Junk Yard Dog Manufacturer Part Number: Enter information here Manufacturer Part Description: Enter information here Manufacturer Address: Enter information here Manufacturer Telephone Number: Enter information here Manufacturer Contact: Enter information here Manufacturer Contact Email: Enter information here Manufacturer Website: Enter information here Name of Parent Company: Enter information here	Manufacturer Name: Almost good enough 1 Manufacturer Part Number: Enter information here Manufacturer Part Description: Enter information here Manufacturer Address: Enter information here Manufacturer Telephone Number: Enter information here Manufacturer Contact: Enter information here Manufacturer Contact Email: Enter information here Manufacturer Website: Enter information here Name of Parent Company: Enter information here	Manufacturer Name: Almost good enough 2 Manufacturer Part Number: Enter information here Manufacturer Part Description: Enter information here Manufacturer Address: Enter information here Manufacturer Telephone Number: Enter information here Manufacturer Contact: Enter information here Manufacturer Contact Email: Enter information here Manufacturer Website: Enter information here Name of Parent Company: Enter information here	Manufacturer Name: Almost good enough 3 Manufacturer Part Number: Enter information here Manufacturer Part Description: Enter information here Manufacturer Address: Enter information here Manufacturer Telephone Number: Enter information here Manufacturer Contact: Enter information here Manufacturer Contact Email: Enter information here Manufacturer Website: Enter information here Name of Parent Company: Enter information here																																																																																		
<p style="color: red; text-align: center;">Autofilled with summary of all gaps or significant capabilities of each product. >></p> <p style="color: red; text-align: center;">*Expand this area to fit as needed. *Adjust "Page Breaks" if this is modified for printing.</p>	<p>*An established OEM. The product is used successfully in similar critically application with no history of issues associated with this product. *PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. *No special packaging, handling or storage requirements. *Lifecycle section meet program requirements. *Lifecycle Firm are section meet program requirements. *Construction Analysis has been performed and is acceptable. Report attached. *Reliability of the product is proven down to individual component level and all data available upon request. *Testability and FFF verified, data available upon request.</p>	<p>*An established OEM. The product is used successfully in similar critically application with no history of issues associated with this product. *PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. *No special packaging, handling or storage requirements. *Lifecycle section meet program requirements. *Lifecycle Firm are section meet program requirements. *Construction Analysis has been performed and is acceptable. Report attached. *Reliability of the product is proven down to individual component level and all data available upon request. *Testability and FFF verified, data available upon request.</p>	<p>*An established OEM. The product is used successfully in similar critically application with no history of issues associated with this product. *PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. *No special packaging, handling or storage requirements. *Lifecycle section meet program requirements. *Lifecycle Firm are section meet program requirements. *Construction Analysis has been performed and is acceptable. Report attached. *Reliability of the product is proven down to individual component level and all data available upon request. *Testability and FFF verified, data available upon request.</p>	<p>*An established OEM. The product is used successfully in similar critically application with no history of issues associated with this product. *PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. *No special packaging, handling or storage requirements. *Lifecycle section meet program requirements. *Lifecycle Firm are section meet program requirements. *Construction Analysis has been performed and is acceptable. Report attached. *Reliability of the product is proven down to individual component level and all data available upon request. *Testability and FFF verified, data available upon request.</p>	<p>*An established OEM. The product is used successfully in similar critically application with no history of issues associated with this product. *PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. *No special packaging, handling or storage requirements. *Lifecycle section meet program requirements. *Lifecycle Firm are section meet program requirements. *Construction Analysis has been performed and is acceptable. Report attached. *Reliability of the product is proven down to individual component level and all data available upon request. *Testability and FFF verified, data available upon request.</p>																																																																																		
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NA	40.00 Information not available.																																																																																						
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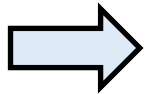


Demonstrate How the DoD Checklist Works



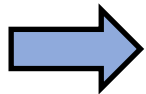
Overview of top-left corner of the main worksheet

Programmatic Information



Programmatic Information	
Requester Name: (i.e. Program Manager or other contact)	Enter information here
Requester Contact Information: (i.e. Telephone, Email, other)	Enter information here
Requester Organization: (i.e. program)	Enter information here
Program Part Number: (if different from Manufacture Part Number)	Enter information here
Quantity Required for Contract: (i.e. How many lots, How often will lots be ordered)	Enter information here
Additional Information:	Enter information here
	Enter information here
	Enter information here
	Enter information here
	Enter information here
	Enter information here
	Enter information here

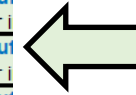
Qualitative Summary



<p>Autofilled with summary of all gaps or significant capabilities of each product. >></p> <p>*Expand this area to fit as needed.</p> <p>*Adjust "Page Breaks" if this is modified for printing.</p>	
90 - 100 (Superior)	Criticality Ranking
80 - 89.99 (Above Acceptable)	Criticality Ranking

Product 1	
Manufacturer Name:	XYZ, Inc.
Manufacturer Part Number:	a123z
Manufacturer Part Description:	Flux Capacitor Assembly
Manufacturer Address:	123 Drive Way, Somewhere, Earth
Manufacturer Telephone Number:	123-456-7890
Manufacturer Contact:	Doe, John
Manufacturer Contact Email:	John.Doe@xyz.com
Manufacturer Website:	xyz.com
Name of Parent Company:	UVW, Inc.
<ul style="list-style-type: none"> • An established OEM. The product is used successfully in similar criticality application with no history of issues associated with this product. • PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. • No special packaging, handling or storage requirements. • Lifecycle section meet program requirements. • Lifecycle Firmware section meet program requirements. • Construction Analysis has been performed and is acceptable. Report attached. • Reliability of the product is proven down to individual component level and all data available upon request. 	

Original Manufacturer and Product Information





Demonstrate How the DoD Checklist Works



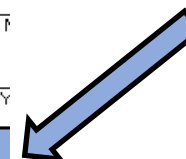
Checklist Questions & Color Code for Scoring

Product 1 Answers

Product 2 Answers

		90 - 100 (Superior)		80 - 89.99 (Above Acceptable)		70 - 79.99 (Acceptable)		50 - 69.99 (Marginal)		0.01 - 49.99 (Unacceptable)			
		Color Coding for Scores											
General Data / Pedigree		Criticality Ranking		Score 1-100		Additional Information		Criticality Ranking		Score 1-100		Additional Information	
		Yes	No	High	Medium	Low	NA	Yes	No	High	Medium	Low	NA
		Overall Product		79.98				Overall Product		51.28			
		Section Score		79.84		General Data / Pedigree		Section Score		49.53		General Data / Pedigree	
1	Is the item a sole source or multivendor product?	NA				80.00	Multivendor	NA				80.00	Multivendor
1.a	If the product is from a sole source, what is the contingency plan if the sole source provider is no longer available?	NA					Not a sole source product.						
2	Is the Original Equipment Manufacturer (OEM) on the procuring contractor's approved suppliers list?	Yes				80.00		No				20.00	The contractor does not maintain an approved suppliers list for commercial parts or assemblies.
2.a	Does the OEM have an approved suppliers list for piece-part procurements?	Yes				80.00		No				20.00	The OEM does not maintain an approved suppliers list for piece part procurements.
2.b	If so, can a list be provided for evaluation?	Yes				80.00	Yes, however the OEM requires a NDA.	No				50.00	The OEM will not provide the list.
3	What is the physical location of the factory where final assembly and Acceptance Testing is done?	NA				80.00	Somewhere in the USA	NA				30.00	Outside the USA in a non-allied country
3.a	How many years at current location?	NA				80.00	25 years	NA				40.00	Information not available.
4	Is all manufacturing performed at the OEM?	No				80.00	Some plating and preassembly done at other locations, however all within the USA.	No				30.00	Information not available.
4.a	If any manufacturing is performed outside the OEM, name the outside manufacturer(s) and their location(s).	NA				80.00	Plating performed at DEF, and preassembly done at QRS.	NA				20.00	Information not available.
5	Is the OEM Quality System registered to an ISO standard?	Yes				80.00		No				20.00	
5.a	If so, which one(s)? Are they relevant and adequate for your program's needs?	Yes				80.00	ISO 9001:2015	NA					
5.b	Does the OEM have any registrations or certifications other than ISO which would add to demonstrating superior performance or value?	Yes				80.00		Yes				10.00	
5.c	If so, which one(s)? Are they relevant and adequate for your program's needs?	Yes				80.00	AS9100; QML	No				10.00	BBB
6	To what degree of confidence does the assessment and/or qualification of the COTS item's performance, form, fit, function, interfaces and requirements meet program requirements?	NA				75.00		NA				25.00	
6.a	Do the interfaces of the COTS item conform to accepted USG and Industry "Open System" standards?	Yes				80.00		Yes				25.00	non-standard interfaces
7	Is the hardware used in other contractor applications? If so, where?	Yes				80.00	A similar product uses the hardware with the same level of criticality, and the hardware has history of no issues.	Yes				60.00	the hardware is currently in use with another program, but it has had some minor issues with reliability.
8	Does the OEM have a Parts, Materials, and Processes (PMP) Control Board (PMPCB) or equivalent adjudication body for the selection and approval of PMP?	Yes				80.00		No				20.00	
Summaries of gaps or significant capabilities as noted by SME (2nd party). >>		An established OEM. The product is used successfully in similar criticality application with no history of issues associated with this product.											

Qualitative Summary Per Section



Approved for Public Release
22-MDA-11068 (10 Feb 22)



Demonstrate How the DoD Checklist Works



SME Input sample entry with data transfer example

Sample Entry from SME

SME Input for Product 1		Yes No NA	Score (1 to 100)	Additional Information
Manufacturer Name: XYZ, Inc.				
Manufacturer Part Number: a123z				
Manufacturer Part Description: Flux Capacitor Assembly				
Manufacturer Address: 123 Drive Way, Somewhere, Earth				
Manufacturer Telephone Number: 123-456-7890				
Manufacturer Contact: Doe, John				
Manufacturer Contact Email: John.Doe@xyz.com				
Manufacturer Website: xyz.com				
Name of Parent Company: UVW, Inc.				
General Data / Pedigree				
1	Is the item a sole source or multivendor product?	NA	80	Multivendor
1.a	If the product is from a sole source, what is the contingency plan if the sole source provider is no longer available?	NA		Not a sole source product.
2	Is the Original Equipment Manufacturer (OEM) on the procuring contractor's approved suppliers list?	Yes	80	
2.a	Does the OEM have an approved suppliers list for piece-part procurements?	Yes	80	
2.b	If so, can a list be provided for evaluation?	Yes	80	Yes, however the OEM
3	What is the physical location of the factory where final assembly and Acceptance Testing is done?	NA	80	Somewhere in the USA
3.a	How many years at current location?	NA	80	25 years
4	Is all manufacturing performed at the OEM?	No	80	Some plating and preassembly
4.a	If any manufacturing is performed outside the OEM, name the outside manufacturer(s) and their location(s).	NA	80	Plating performed at DEF, and preassembly done at QRS.
5	Is the OEM Quality System registered to an ISO standard?	Yes	80	
5.a	If so, which one(s)? Are they relevant and adequate for your program's needs?	Yes	80	ISO 9001:2015
5.b	Does the OEM have any registrations or certifications other than ISO which would add to demonstrating superior performance or value?	Yes	80	
5.c	If so, which one(s)? Are they relevant and adequate for your program's needs?	Yes	80	AS9100; QML
6	To what degree of confidence does the assessment and/or qualification of the COTS item's performance, form, fit, function, interfaces and requirements meet program requirements?	NA	75	
6.a	Do the interfaces of the COTS item conform to accepted USG and Industry "Open System" standards?	Yes	80	
7	Is the hardware used in other contractor applications? If so, where?	Yes	80	A similar product uses the
8	Does the OEM have a Parts, Materials, and Processes (PMP) Control Board (PMPCB) or equivalent adjudication body for the selection and approval of PMP?	Yes	80	
Summarize gaps and significant capabilities of this section for each COTS Assembly.				An established OEM. The product is used successfully in similar criticality application with no history of issues associated with this product.

View of Main Worksheet

Manufacturer Contact: Doe, John			
Manufacturer Contact Email: John.Doe@xyz.com			
Manufacturer Website: xyz.com			
Name of Parent Company: UVW, Inc.			
<ul style="list-style-type: none"> An established OEM. The product is used successfully in similar criticality application with no history of issues associated with this product. PMP Data. PMP is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. No special packaging, handling or storage requirements. Lifecycle section meet program requirements. Lifecycle Firmware section meet program requirements. Construction Analysis has been performed and is acceptable. Report attached. Reliability of the product is proven down to individual component level and all data available upon request. 			
Criticality Ranking	High	Score	Additional Information
Yes	Medium	1-100	
No	Low		
Overall Product Score		79.98	
Section Score		79.84	General Data / Pedigree
NA		80.00	Multivendor
NA			Not a sole source product.
Yes		80.00	
Yes		80.00	
Yes		80.00	Yes, however the OEM requires a NDA.
NA		80.00	Somewhere in the USA
NA		80.00	25 years
No		80.00	Some plating and preassembly done at other locations, however



Demonstrate How the DoD Checklist Works



Score Summary worksheet sample entry

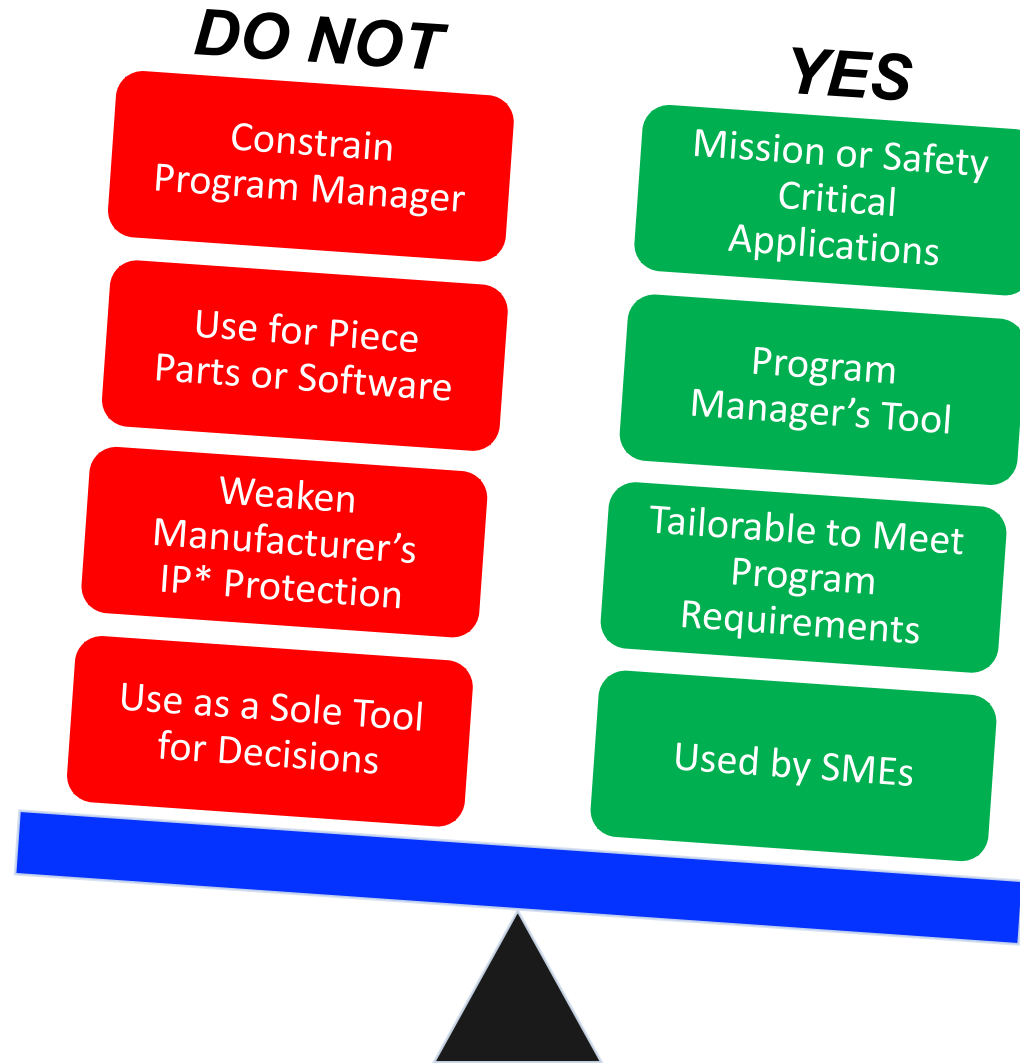
	Product 1	Product 2	Product 3	Product 4	Product 5
Manufacturer Name:	XYZ, Inc.	The Junk Yard Dog	Almost good enough 1	Almost good enough 2	Almost good enough 3
Manufacturer Part Number:	a123z	Enter information here	Enter information here	Enter information here	Enter information here
Overall Product Scores	80.0	51.3	72.7	72.7	72.7
Summary of Scores per Section					
General Data / Pedigree	79.8	49.5	73.8	73.8	73.8
Parts, Materials and Process Data	80.1	47.9	71.7	71.7	71.7
Supportability	80.0	63.2	72.1	72.1	72.1
Lifecycle Questions	78.6	51.6	72.9	72.9	72.9
Lifecycle Firmware Questions	80.0	52.9	70.4	70.4	70.4
Construction Analysis Data	80.0	51.0	75.5	75.5	75.5
Reliability Information	81.2	42.4	70.7	70.7	70.7
Testability	80.0	51.6	74.8	74.8	74.8

	Product 1	Product 2	Product 3	Product 4	Product 5
<p>Autofilled with summary of all gaps or significant capabilities of each product. >></p>	<ul style="list-style-type: none"> An established OEM. The product is used successfully in similar criticality application with no history of issues associated with this product. PMP Data. BOM is available without NDA. ESD rating, derating criteria, and lot definition meet the program requirements. No special packaging, handling or storage requirements. Lifecycle section meet program requirements. Lifecycle Firmware section meet program requirements. Construction Analysis has been performed and is acceptable. Report attached. Reliability of the product is proven down to individual component level and all data available upon request. Testability and FFF verified, data available upon request. 				



DoD Checklist Considerations

What users need to know



* IP: Intellectual Property



Where can I find a copy of the DoD Checklist?



A copy of the Checklist Guidance and Background Document along with its related workbook can be found at either of the following:

- Link to main page of the Parts Management Knowledge Sharing Portal
<https://www.dau.edu/cop/PMKSP>
- Direct link to files
https://www.dau.edu/cop/PMKSP/Lists/COTS_Checklist/AllItems.aspx



Q&A

