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OMB Control Number: 0694-0119  
 Expiration Date: September 30, 2014

**DEFENSE INDUSTRIAL BASE ASSESSMENT:  
 Diminishing Manufacturing Sources and Material Shortages  
 Cost Resolution Values Survey**



**SCOPE OF ASSESSMENT**

The Bureau of Industry and Security (BIS), Office of Technology Evaluation is conducting a specialized survey in support of a Diminishing Manufacturing Sources and Material Shortages (DMSMS) Cost Resolution Values assessment. An earlier Cost Resolution Values survey was conducted in 2008. The Defense community and industry have recently developed renewed solution categories. This survey will be used to: 1) validate the solution categories being used, and 2) determine the cost of each solution category used.

BIS, in cooperation with the DMSMS Working Group, is requesting your participation in this important survey. The overall goal of this project is to survey government and industry to provide accurate data so that the DMSMS Guidebook, SD-22, can be updated to meet the cost avoidance and should-cost reporting needs of program managers and DMSMS Management Teams (DMTs) throughout the Defense community.

**RESPONSE TO THIS SURVEY IS REQUIRED BY LAW**

A response to this survey is required by law (50 U.S.C. app. Sec. 2155). Failure to respond can result in a maximum fine of \$10,000, imprisonment of up to one year, or both. Information furnished herewith is deemed confidential and will not be published or disclosed except in accordance with Section 705 of the Defense Production Act of 1950, as amended (50 U.S.C App. Sec. 2155). Section 705 prohibits the publication or disclosure of this information unless the President determines that its withholding is contrary to the national defense. Information will not be shared with any non-government entity, other than in aggregate form. The information will be protected pursuant to the appropriate exemptions from disclosure under the Freedom of Information Act (FOIA), should it be the subject of a FOIA request.

Notwithstanding any other provision of law, no person is required to respond to nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB Control Number.

**BURDEN ESTIMATE AND REQUEST FOR COMMENT**

Public reporting burden for this collection of information is estimated to average 15 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information to BIS Information Collection Officer, Room 6883, Bureau of Industry and Security, U.S. Department of Commerce, Washington, D.C. 20230, and to the Office of Management and Budget, Paperwork Reduction Project (OMB Control No. 0694-0119), Washington, D.C. 20503.

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Your company/organization should provide detailed costs for DMSMS solutions that you have implemented. Please provide solution cost data for the last two years, if available.

**Purpose:** The purpose of the DMSMS Resolution Cost Survey is to define and break down the costs to implement DMSMS solutions in sufficient detail to allow DOD to:

- Estimate solution costs for emerging DMSMS issues
- Develop budgets and POM information for resolving DMSMS issues in the future
- Provide a basis for evaluating quotes for resolving DMSMS issues
- Allow programs to provide accurate estimates of DMSMS cost avoidance.

The objective is to generate a comprehensive, standardized inventory of cost solutions for the core warfighting tools DMSMS Cost Factors Team supports. The standardized inventory will provide both the government and product manufacturers a common understanding of costs.

The cost factors used by this survey have been carefully selected to provide the detail needed for proper analysis. They are intended to include the total cost of the solution implemented.

**Diminishing Manufacturing Sources and Material Shortages (DMSMS)** issues result from the loss, or impending loss, of manufacturers or suppliers of items, raw materials, or software. DMSMS resolutions are selected based on the most cost effective, mitigation approach before there are any operational impacts. DOD has defined a set of DMSMS solution types that can be applied to all DMSMS issues whether for raw material, hardware, or software. These standardized solutions allow DMSMS practitioners to use a common language when discussing issues. Properly capturing the associated costs to implement those solutions will allow accurate cost estimates for future DMSMS mitigation projects. Since no two projects are exactly alike, resolutions costs will vary. However, if attention is made to detail on similar resolution cost breakouts, a range of costs should appear, which will help us define the average resolution costs.

For more information concerning the DMSMS programs and the nonrecurring engineering cost metrics, please see the following resources:

- The DMSMS Knowledge Sharing Portal: <http://www.dmsms.org>
- DOD DMSMS Guidebook v2.1: [http://www.dmsms.org/file.jsp?storename=ov\\_6\\_.pdf](http://www.dmsms.org/file.jsp?storename=ov_6_.pdf)

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Section III		Definitions	
Term	Definition		
Approved Part	The obsolescence issue is resolved by the use of items already approved on the drawing and still in production.		
Assembly	Any grouping of parts that result in final unit that is considered a distinct item.		
Aviation Environment	The part or equipment is used in or on aircraft.		
Benign or Non-Tactical Environment	Equipment is not expected to be in a tactical environment. Equipment that is deployed in a tactical environment but not tactical in nature and not tested to the same standards as tactical equipment.		
Complex Substitute	A replacement item that has different specifications, but requires no modification of the source product or the NHA, is researched and validated.		
Component	A base unit part that may be used as part of an assembly.		
Computer Programs/ Documentation Costs	The costs for procuring and updating computer programs and documentation for use in the field/fleet. Does not include the costs for tech manuals and other non-software documentation.		
Development of a New Item or Source	A replacement product is developed that meets the requirements of the original product without affecting the NHA. Nonrecurring engineering or other development-related activities will likely be required. The new product may be an emulation, a reverse-engineered product, or a product developed as a replacement using a different manufacturer but the original manufacturing designs and processes.		
Electrical	Equipment that generates electricity, transfers or controls electricity, or which uses electricity as its prime energy source (excluding electronics, see below). Examples: Motors, Switchboard, Transformers, etc.		
Electronics	Components, assemblies, or equipment that are built using electronic components and/or circuit cards. Electronic controllers used by this equipment are properly categorized here.		
Engineering, Engineering Data Revision Costs	The one-time costs of research, design, and engineering work related to the solution selected (NRE). Ranges from evaluation of a substitute to the development of a new design. Also included: prototype development, white paper development, drawing changes, ECP development/review, or reliability/maintainability analysis.		
Extension of Production or Support	The supplier is incentivized to continue providing the obsolete items. This may involve long-term agreements to procure specific quantities of parts. One-time costs may be associated with setting up this solution. Those costs should be included in any cost and cost avoidance calculations.		
Ground Environment	The part or equipment is used in a ground environment. (Example: Tanks, Artillery, etc.)		
Interim Support Costs	The costs for short-term measures that need to take place prior to full implementation of the solution. This could be contract maintenance or supply support until the solution is fully supported by organic systems. Life of Need (Bridge Buy) costs to extend product life until a redesign can be implemented may be included here.		
Installation Costs	The costs to deploy the new equipment to the field/fleet. Only applicable if the new solution must be retrofitted into the field/fleet as a direct result of the original obsolescence. Does not include replacement by attrition. Examples: software media distribution, gathering data, scheduling installations, contractor or government installations, or travel.		
Life of Need Buy	A sufficient quantity of the item is purchased to sustain the product until its next technology refresh or the discontinuance of the host assembly. Because this solution uses an approved item, no testing or drawing changes are required. The source of supply can be residual stock from the original manufacturer, shelf stock from distributors, sponsor-owned material, etc. Costs for packaging, storage, and transportation should be considered in the BCA for selecting solutions.		
Mechanical	Parts, assemblies, or equipment that are neither electrical nor electronic in nature.		
Qualification of New Items Costs	The one-time costs to determine if a new item is suitable for use in the application. Costs could range from simple to complex depending on the solution selected, type of equipment, and operating environment. Examples include developing/modifying test procedures or equipment, functional testing, or unit environmental testing.		
Raw Material	The substance or substances out of which a thing is or can be made.		
Redesign - Complex/ System Replacement	A major assembly redesign affects assemblies beyond the obsolete item's NHA and may require that higher-level assemblies, software, and interfaces be changed.		
Redesign - NHA	The affected item's NHA must be modified. Only the NHA is affected, and the new design will not affect anything at a higher level in the system.		
Repair, Refurbishment, or Reclamation	The obsolescence issue is resolved by instituting a repair or refurbishment program for the existing item or assembly, whether a depot repair, a repair contract with the original manufacturer, or support from a third party.		
Shipboard Environment	The part or equipment is used on surface ships, boats, etc.		
Simple Substitute	The item is replaced with an existing item that meets all requirements without modification to either the item or its NHA and requires only minimal qualification. Associated costs are largely administrative.		
Software	The programs or other code used by computers of other electronic components or assemblies.		
Software Development/ Modification Costs	The one-time costs for any and all NRE type software development or modification to the selected solution. This could range from firmware revisions on a circuit card to the procurement of services to develop customized software.		
Space Environment	The part or equipment will be used in space. (Example: Satellites, Launch Systems, etc.)		
Startup Costs	The one-time costs associated with getting production started or restarted. Examples include contract costs associated with production startup, costs to start an organic depot, or procurement of production rights or intellectual property.		
Supply/Provisioning of Data Costs	The costs associated with updating records and data with the new solution information. Examples include level of repair analysis, provisioning, procurement documentation, supply support, or developing maintenance plans.		
Support/Test Equipment Costs	The costs for modifying and/or buying support and test equipment for the new solution. Does not include the cost of equipment purchased for both development and sustainment.		
Technical Manuals Costs	The costs for updating technical manuals to reflect the new solution including documentation development and distribution.		
Tooling, Equipment, or Software Costs	The one-time costs for equipment needed to design, test, evaluate, and qualify the new item for the solution. Items procured that are used both during evaluation and sustainment should be included in this category. Does not include design, engineering, and development work to prepare this equipment (engineering cost type).		
Training/Training Equipment Costs	The costs for purchasing new or updating existing training devices, training materials, and training to accommodate the solution.		
Undersea Environment	The part or equipment will be used in submarines or other submerged equipment.		

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**Section IV General Instructions**

A.	<p>Your company is required to complete this survey using an Excel template, which can be downloaded from the BIS website at <a href="http://www.bis.doc.gov/DMSMS">http://www.bis.doc.gov/DMSMS</a>. At your request, BIS staff will e-mail the Excel survey template directly to your company. For your convenience, a PDF version of the survey is available on the BIS website to aid internal data collection. PLEASE DO NOT submit the PDF version of your company's response to BIS.</p>
B.	<p>Questions related to this questionnaire should be directed to:</p> <p>Matt Sigmund, Trade and Industry Analyst, (202) 482-0634              LaTiesha Cooper, Trade and Industry Analyst, (202) 482-5415              Alex Adamczyk, Trade and Industry Analyst, (202) 482-7980</p> <p><a href="mailto:DMSMS_Study@bis.doc.gov">DMSMS_Study@bis.doc.gov</a></p> <p>For information on OTE's defense industrial base surveys, please contact:</p> <p>Brad Botwin, Director, Industrial Studies, at <a href="mailto:Brad.Botwin@bis.doc.gov">Brad.Botwin@bis.doc.gov</a></p>
C.	<p style="text-align: center;"><b>Upon completion, review and certification of the survey, transmit the survey via e-mail to:</b>  <a href="mailto:DMSMS_Study@bis.doc.gov">DMSMS_Study@bis.doc.gov</a>.</p>
D.	<p>For letter correspondence to the Office of Technology Evaluation (OTE), please write to:</p> <p>Brad Botwin, Director, Industrial Studies              Office of Technology Evaluation, Room 1093              Bureau of Industry and Security              U.S. Department of Commerce              1401 Constitution Avenue, NW              Washington, DC 20230</p> <p>Please do not submit completed surveys to this address; all surveys must be submitted electronically.</p>

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<b>Section 1.a</b>		<b>Company/Organization Information</b>		
Company/Organization Name*				
Street Address*				
City*				
State*				
Zip Code*				
Phone Number*				
Fax Number				
Website				
<b>Point(s) of Contact for this Survey's Completion</b>				
Name*	Title*	Phone Number*	State*	Email Address*
* Indicates a required field				
<b>Comments:</b>				
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<b>Section 1.b</b>	<b>Company/Organization Respondent Type</b>
Please choose the Respondent Type that best describes your company/organization *	
<input type="text"/>	
<b>Comments:</b>	<input type="text"/>
* Indicates a required field	
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**Section 2**

**DMSMS Solutions**

In Sections 3 through 12 your organization will be asked to identify and describe your DMSMS activity according to your chosen *SOLUTIONS OVER THAT PAST TWO YEARS*. Ten categories have been identified:

Section 3:	<a href="#">Approved Parts</a>
Section 4:	<a href="#">Life of Need Buy</a>
Section 5:	<a href="#">Repair, Refurbishment or Reclamation</a>
Section 6:	<a href="#">Extension of Production or Support</a>
Section 7:	<a href="#">Simple Substitute</a>
Section 8:	<a href="#">Complex Substitute</a>
Section 9:	<a href="#">Development of a New Item or Source</a>
Section 10:	<a href="#">Redesign - NHA</a>
Section 11:	<a href="#">Redesign Complex/System Replacement</a>
Section 12:	<a href="#">Other DMSMS Solution</a>

Your organization will also be asked to provide information regarding the characteristics of each solution:

<u>Part Type</u>	<u>Part Commodity</u>	<u>Operating Environment</u>
<p><b>What kind of part does DMSMS problem concern? Options include:</b></p> <ul style="list-style-type: none"> <li>Assembly</li> <li>Component</li> <li>Raw Material</li> <li>Software</li> </ul>	<p><b>Does the part qualify as Electrical, Electronics or Mechanical?</b></p>	<p><b>Please identify the environment the DMSMS product/solution functions in. Options include:</b></p> <ul style="list-style-type: none"> <li>Aviation</li> <li>Benign or Non-Tactical</li> <li>Ground</li> <li>Shipboard</li> <li>Space</li> <li>Undersea</li> </ul>

If a solution has been used for multiple projects, solution costs should be averaged.

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<b>Section 3 Approved Part</b>						
<b>Approved Part Definition:</b>	The obsolescence issue is resolved by the use of items already approved on the drawing and still in production.					
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.						
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)					
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)
Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.						
B	Part Type 1		Commodity 1		Environment 1	
	Part Type 2		Commodity 2		Environment 2	
	Part Type 3		Commodity 3		Environment 3	
You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.						
C	Number of Incidents:		Reported Costs Are:			
	Indicate the average duration time for resolution (in weeks):					
Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.						
D	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation		Interim Support	
	Qualification of New Items		Supply/ Provisioning Data			
	Software Development or Modification		Support/Test Equipment			
	Startup Costs		Technical Manuals			
	Tooling/Equipment/Software		Training/Training Equipment			
			Installation Costs			
	<b>Total Engineering and Design Costs</b>		<b>Total Implementation Costs</b>			
	<b>Total Solution Costs:</b>					
	E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).				
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<b>Section 4</b>		<b>Life of Need Buy</b>			
<b>Life of Need Buy Definition:</b>	A sufficient quantity of the item is purchased to sustain the product until its next technology refresh or the discontinuance of the host assembly. Because this solution uses an approved item, no testing or drawing changes are required. The source of supply can be residual stock from the original manufacturer, shelf stock from distributors, sponsor-owned material, etc. Costs for packaging, storage, and transportation should be considered in the BCA for selecting solutions.				
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.					
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)				
	Army	Navy	Air Force	Marines	Other Department of Defense (List in Comments)
B	Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.				
	Part Type 1		Commodity 1		Environment 1
	Part Type 2		Commodity 2		Environment 2
	Part Type 3		Commodity 3		Environment 3
C	You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.				
	Number of Incidents:			Reported Costs Are:	
	Indicate the average duration time for resolution (in weeks):				
D	Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.				
	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>	
	Engineering/Engineering Data Revision		Computer Programs/Documentation		
			Interim Support		
	Qualification of New Items		Supply/ Provisioning Data		
	Software Development or Modification		Support/Test Equipment		
			Technical Manuals		
	Startup Costs		Training/Training Equipment		
	Tooling/Equipment/Software		Installation Costs		
	<b>Total Engineering and Design Costs</b>		<b>Total Implementation Costs</b>		
<b>Total Solution Costs:</b>					
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).				
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<b>Section 5 Repair, Refurbishment, or Reclamation</b>						
<b>Repair, Refurbishment, or Reclamation Definition:</b>	The obsolescence issue is resolved by instituting a repair or refurbishment program for the existing item or assembly, whether a depot repair, a repair contract with the original manufacturer, or support from a third party.					
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.						
<b>A</b>	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)					
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)
Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.						
<b>B</b>	Part Type 1		Commodity 1		Environment 1	
	Part Type 2		Commodity 2		Environment 2	
	Part Type 3		Commodity 3		Environment 3	
You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.						
<b>C</b>	Number of Incidents:		Reported Costs Are:			
	Indicate the average duration time for resolution (in weeks):					
Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.						
<b>D</b>	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation			
	Qualification of New Items		Interim Support			
	Software Development or Modification		Supply/ Provisioning Data			
	Startup Costs		Support/Test Equipment			
	Tooling/Equipment/Software		Technical Manuals			
			Training/Training Equipment			
			Installation Costs			
<b>Total Engineering and Design Costs</b>			<b>Total Implementation Costs</b>			
<b>Total Solution Costs:</b>						
<b>E</b>	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).					
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<b>Section 6 Extension of Production or Support</b>					
<b>Extension of Production or Support Definition:</b>		The supplier is incentivized to continue providing the obsolete items. This may involve long-term agreements to procure specific quantities of parts. One-time costs may be associated with setting up this solution. Those costs should be included in any cost and cost avoidance calculations.			
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.					
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)				
	Army	Navy	Air Force	Marines	Other Department of Defense Other (List in Comments)
B	Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.				
	Part Type 1		Commodity 1		Environment 1
	Part Type 2		Commodity 2		Environment 2
	Part Type 3		Commodity 3		Environment 3
C	You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.				
	Number of Incidents:			Reported Costs Are:	
	Indicate the average duration time for resolution (in weeks):				
D	Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.				
	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>	
	Engineering/Engineering Data Revision		Computer Programs/Documentation		
	Qualification of New Items		Interim Support		
	Software Development or Modification		Supply/ Provisioning Data		
	Startup Costs		Support/Test Equipment		
	Tooling/Equipment/Software		Technical Manuals		
			Training/Training Equipment		
			Installation Costs		
			<b>Total Engineering and Design Costs</b>	<b>Total Implementation Costs</b>	
<b>Total Solution Costs:</b>					
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).				
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<b>Section 7 Simple Substitute</b>						
<b>Simple Substitute Definition:</b>	The item is replaced with an existing item that meets all requirements without modification to either the item or its NHA and requires only minimal qualification. Associated costs are largely administrative.					
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.						
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)					
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)
Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.						
B	Part Type 1		Commodity 1		Environment 1	
	Part Type 2		Commodity 2		Environment 2	
	Part Type 3		Commodity 3		Environment 3	
You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.						
C	Number of Incidents:		Reported Costs Are:			
	Indicate the average duration time for resolution (in weeks):					
Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.						
D	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation			
	Qualification of New Items		Interim Support			
	Software Development or Modification		Supply/ Provisioning Data			
	Startup Costs		Support/Test Equipment			
	Tooling/Equipment/Software		Technical Manuals			
			Training/Training Equipment			
			Installation Costs			
	<b>Total Engineering and Design Costs</b>		<b>Total Implementation Costs</b>			
	<b>Total Solution Costs:</b>					
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).					
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<b>Section 8 Complex Substitute</b>						
<b>Complex Substitute Definition:</b>	A replacement item that has different specifications, but requires no modification of the source product or the NHA, is researched and validated.					
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.						
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)					
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)
B	Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.					
	Part Type 1		Commodity 1		Environment 1	
	Part Type 2		Commodity 2		Environment 2	
	Part Type 3		Commodity 3		Environment 3	
C	You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.					
	Number of Incidents:		Reported Costs Are:			
	Indicate the average duration time for resolution (in weeks):					
D	Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.					
	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation			
			Interim Support			
	Qualification of New Items		Supply/ Provisioning Data			
	Software Development or Modification		Support/Test Equipment			
			Technical Manuals			
	Startup Costs		Training/Training Equipment			
	Tooling/Equipment/Software		Installation Costs			
	<b>Total Engineering and Design Costs</b>			<b>Total Implementation Costs</b>		
<b>Total Solution Costs:</b>						
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).					
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<b>Section 9 Development of a New Item or Source</b>						
<b>Development of a New Item or Source Definition:</b>		A replacement product is developed that meets the requirements of the original product without affecting the NHA. Nonrecurring engineering or other development-related activities will likely be required. The new product may be an emulation, a reverse-engineered product, or a product developed as a replacement using a different manufacturer but the original manufacturing designs and processes.				
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.						
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)					
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)
B	Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.					
	Part Type 1		Commodity 1		Environment 1	
	Part Type 2		Commodity 2		Environment 2	
	Part Type 3		Commodity 3		Environment 3	
C	You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.					
	Number of Incidents:			Reported Costs Are:		
	Indicate the average duration time for resolution (in weeks):					
D	Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.					
	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation			
	Qualification of New Items		Interim Support			
	Software Development or Modification		Supply/ Provisioning Data			
	Startup Costs		Support/Test Equipment			
	Tooling/Equipment/Software		Technical Manuals			
			Training/Training Equipment			
			Installation Costs			
			<b>Total Engineering and Design Costs</b>		<b>Total Implementation Costs</b>	
<b>Total Solution Costs:</b>						
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).					
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<b>Section 10</b>		<b>Redesign - NHA</b>			
<b>Redesign - NHA Definition:</b>		The affected item's NHA must be modified. Only the NHA is affected, and the new design will not affect anything at a higher level in the system.			
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.					
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)				
	Army	Navy	Air Force	Marines	Other Department of Defense Other (List in Comments)
Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.					
B	Part Type 1		Commodity 1		Environment 1
	Part Type 2		Commodity 2		Environment 2
	Part Type 3		Commodity 3		Environment 3
You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.					
C	Number of Incidents:		Reported Costs Are:		
	Indicate the average duration time for resolution (in weeks):				
Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.					
<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
D	Engineering/Engineering Data Revision		Computer Programs/Documentation		
	Qualification of New Items		Interim Support		
	Software Development or Modification		Supply/ Provisioning Data		
	Startup Costs		Support/Test Equipment		
	Tooling/Equipment/Software		Technical Manuals		
			Training/Training Equipment		
			Installation Costs		
<b>Total Engineering and Design Costs</b>			<b>Total Implementation Costs</b>		
<b>Total Solution Costs:</b>					
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).				
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Section 11		<b>Redesign - Complex/System Replacement</b>					
<b>Redesign - Complex/System Replacement Definition:</b>		A major assembly redesign affects assemblies beyond the obsolete item's NHA and may require that higher-level assemblies, software, and interfaces be changed.					
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.							
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)						
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)	
B	Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.						
	Part Type 1		Commodity 1		Environment 1		
	Part Type 2		Commodity 2		Environment 2		
	Part Type 3		Commodity 3		Environment 3		
C	You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.						
	Number of Incidents:			Reported Costs Are:			
	Indicate the average duration time for resolution (in weeks):						
D	Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.						
	<b>Solution Engineering and Design</b>				<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation				
	Qualification of New Items		Interim Support				
	Software Development or Modification		Supply/ Provisioning Data				
	Startup Costs		Support/Test Equipment				
	Tooling/Equipment/Software		Technical Manuals				
			Training/Training Equipment				
			Installation Costs				
			<b>Total Engineering and Design Costs</b>		<b>Total Implementation Costs</b>		
<b>Total Solution Costs:</b>							
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).						
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<b>Section 12</b>		<b>Other DMSMS Solution</b>				
<b>Other DMSMS Solution Definition:</b>		Any DMSMS product/solution not previously listed.				
If this product/solution was not used, please select "Not Applicable" to the right and proceed to the next section.						
A	Indicate which Armed Forces Services you provide this product/solution to. (Select all that apply)					
	Army	Navy	Air Force	Marines	Other Department of Defense	Other (List in Comments)
B	Identify your product/solution's application characteristics. If multiple parts, commodities or environments were used, please indicate all types for which information is being provided.					
	Part Type 1		Commodity 1		Environment 1	
	Part Type 2		Commodity 2		Environment 2	
	Part Type 3		Commodity 3		Environment 3	
C	You may provide answers that cover more than one DMSMS issue by providing the average costs for the section below.					
	Number of Incidents:			Reported Costs Are:		
	Indicate the average duration time for resolution (in weeks):					
D	Please enter the costs associated with each <i>applicable</i> category to the best of your knowledge. Refer to the DMSMS Survey Definitions for examples of each category.					
	<b>Solution Engineering and Design</b>			<b>Solution Implementation</b>		
	Engineering/Engineering Data Revision		Computer Programs/Documentation			
	Qualification of New Items		Interim Support			
	Software Development or Modification		Supply/ Provisioning Data			
	Startup Costs		Support/Test Equipment			
	Tooling/Equipment/Software		Technical Manuals			
			Training/Training Equipment			
			Installation Costs			
			<b>Total Engineering and Design Costs</b>		<b>Total Implementation Costs</b>	
<b>Total Solution Costs:</b>						
E	<b>Comments:</b> Please provide some additional details about the product the DMSMS issue affected and the solution used. (This will allow us to better understand the nature of your solution).					
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**Section 13 Certification**

The undersigned certifies that the information herein supplied in response to this questionnaire is complete and correct to the best of his/her knowledge. It is a criminal offense to willfully make a false statement or representation to any department or agency of the United States Government as to any matter within its jurisdiction (18 U.S.C.A. 1001 (1984 & SUPP. 1197))

Company/Organization Name	
Name of Authorizing Official	
Title of Authorizing Official	
Email Address	
Phone Number	
Website	
Date Certified	
Would you like a free copy of the final report?	
How many hours did it take to complete this survey?	

In the box below, provide any additional comments or any other information you wish to include regarding this survey assessment.

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