

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

2. AMENDMENT/MODIFICATION NO. \_\_\_\_\_ 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. N/A 5. PROJECT NO. *(If applicable)* \_\_\_\_\_

6. ISSUED BY CODE S1005A 7. ADMINISTERED BY *(If other than Item 6)* CODE \_\_\_\_\_

DCMC Lockheed Martin Orlando  
 5600 Sand Lake Road, MP 49  
 Orlando, FL 32819-8907  
 (407) 356-9480/RXTC/David E. Martinez

8. NAME AND ADDRESS OF CONTRACTOR *(No. street, county, State and ZIP Code)*

Lockheed Martin Corporation  
 Missiles and Fire Control - Orlando  
 5600 Sand Lake Road  
 Orlando, FL 32819-8907

9A. AMENDMENT OF SOLICITATION NO. \_\_\_\_\_

9B. DATED *(SEE ITEM 11)* \_\_\_\_\_

10A. MODIFICATION OF CONTRACT/ORDER NO. \_\_\_\_\_

10B. DATED *(SEE ITEM 13)* \_\_\_\_\_

CODE 04939, OXYD8, 34675 FACILITY CODE \_\_\_\_\_

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers \_\_\_\_\_ is extended.  is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data *(If required)*

N/A

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(a) THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(h).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: \_\_\_\_\_

D. OTHER *(Specify type of modification and authority)* \_\_\_\_\_

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

This modification incorporates the Removal of Cancelled Technical Specifications and Implementation of Regulatory Changes in the FAR and DFARS Common Process Block Changes as delineated in the attached two Memorandum of Agreements regarding the Common Process Block Change Concept Papers No. CPC1999-LMC99-1 and CPC1999-LMC99-2 dated October 21, 1999.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

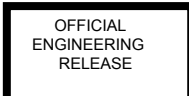
15A. NAME AND TITLE OF SIGNER *(Type or print)*

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*  
 DAVID E. MARTINEZ  
 Administrative Contracting Officer

15B. CONTRACTOR/OFFEROR \_\_\_\_\_ 15C. DATE SIGNED \_\_\_\_\_

16B. UNITED STATES OF AMERICA BY DAVID E. MARTINEZ 16C. DATE SIGNED FEB 9, 2000

*(Signature of person authorized to sign)* *(Signature of Contracting Officer)*



MEMORANDUM OF AGREEMENT  
between  
LOCKHEED MARTIN CORPORATION  
MISSILES and FIRE CONTROL - ORLANDO  
and  
THE UNITED STATES GOVERNMENT  
regarding  
LOCKHEED MARTIN CORPORATION SINGLE PROCESS INITIATIVE  
COMMON PROCESS BLOCK CHANGE CONCEPT PAPER  
NO. LMC 99-1 REMOVAL OF CANCELLED TECHNICAL SPECIFICATIONS

In accordance with the authority of the Secretary of Defense Memorandum dated December 6, 1995, Subject: Common Systems/ISO-9000 expedited Block Changes, and Under Secretary of Defense (Acquisition and Technology) Memorandum of December 8, 1995, Subject: Single Process Initiative, this Memorandum of Agreement is issued to effect a block change to active contracts assigned to Cage Codes 04939, OXYD8, and 34675 which are administered by DCMC Lockheed Martin Orlando, excluding Joint Venture Contracts.

Lockheed Martin Corporation, Missiles and Fire Control - Orlando (MFC-O), and the Government agree to the implementation of the process for removal of cancelled technical specifications described in the Lockheed Martin Corporate Management Council memorandum identified as LMC 99-1, dated September 9, 1999. This Single Process Initiative (SPI) establishes a simplified process, under the cognizance of the Missiles and Fire Control - Orlando Management Council, to remove cancelled technical specifications from existing contracts. This process eliminates the need for individual concept papers for qualifying specifications while assuring insight and addressing of concerns. It is intended to facilitate transition to commercial or internally controlled processes.

The MFC-O procedures, planning, and all other documentation, media and data which define this process shall be made available to the government for their review and use. The government may perform any necessary inspections, verifications and evaluations to ascertain conformance to requirements and adequacy of the implementing procedures.

The key to any cost savings is the long-term reform in government requirements facilitated by a single, commercial-type process and potential government savings from a reduced oversight. Except as otherwise stated, this MOA does not change any requirements in the affected contracts which will warrant an increase or decrease in contract price, change of delivery schedule, or period of performance. Considering the reasonable expectation of future benefits to the government, and the lack of any change to contract requirements that affect contract price or schedule, no monetary consideration will be required to implement this change in the contracts. The contractor agrees, however, that in the event it discovers an unforeseen significant savings in cost as a result of the implementation of this block change, the contractor will propose an equitable adjustment pursuant to the terms of the affected contracts. Savings / avoidance and implementation costs will be provided with each submittal to the Management Council that

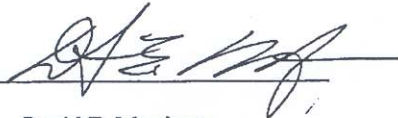
recommends removal of military specifications and standards for evaluation of the cost / benefit analysis.

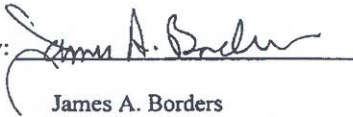
Upon execution of this MOA, MFC-O's suppliers and subcontractors, at MFC-O's discretion, may be given permission to implement the procedures described in this MOA or any alternative approved by MFC-O through a Block Change of their own regarding the specifications addressed herein. There will be no negative impact to the performance, cost and/or schedule requirements due to the incorporation of any such revised process requirements. If the subcontract value is adjusted as a result of the implementation of such change, MFC-O will notify the Divisional Administrative Contracting Officer who in conjunction with MFC-O will ascertain if modification of the applicable prime contract is appropriate.

IN WITNESS THEREOF, each of the parties have signed this MOA to become effective as outlined herein.

UNITED STATES GOVERNMENT

LOCKHEED MARTIN CORPORATION  
MISSILES and FIRE CONTROL -  
ORLANDO

by:   
David E. Martinez  
Divisional Administrative  
Contracting Officer

by:   
James A. Borders  
Contracts Director

DATE: 2/9/00

DATE: 2/9/00

## **Memorandum of Agreement LMC 99-1 Removal of Cancelled Technical Specifications**

The Lockheed Martin Corporate Management Council, hereby agree that the procedure to remove and replace cancelled technical specifications as summarized in the following executive summary, and submitted for review in the attached corporate concept paper, is approved for implementation.

### **Executive Summary**

This Single Process Initiative (SPI) establishes a simplified process, under the cognizance of the local Acquisition Reform Management Councils, to remove canceled technical specifications from existing contracts. This process eliminates the need for individual concept papers for qualifying specifications while assuring insight and addressing of concerns. It is intended to facilitate transition to commercial or internally controlled processes at each Lockheed Martin location.

Rather than developing an SPI Concept Paper for each specification, the local company periodically submits a request containing a tabular summary of the canceled specifications for which a decision has been made to adopt a specification consistent with the government document cancellation disposition. Eliminating individual concept papers significantly reduces evaluation and transaction costs and utilizes government decisions on the canceled specifications. The process grants pre-approval of the submittals as long as they are consistent with Government specification dispositions. Protection of Government interests is assured through Management Council review and veto authority. The use of widely accepted commercial standards increases potential subcontracting base through the removal of barriers to entry by commercial suppliers. Due to the demonstrated success of this process at two Lockheed Martin locations, and the potential viability for many other Lockheed Martin locations, adoption of this process for corporate-wide implementation was submitted.

**Contract Change Language**

The specific contract block change language that each site adopts can be modeled along the language contained in Section 3.0 of the corporate concept paper. Once initial authorization for this concept paper is obtained, future submittals of candidate specification removal/replacement do not require separate concept papers; rather, a periodic tabular submittal as described in Section 2.0, will be made to the local management council for disposition. Chuck Burke, LMTAS 817-777-4870, and Mike Saemisch, LMA 3Q3-977-0512, can be contacted for sample formats or other advice on implementation issues.

**CMC Member Endorsement**

Each member of the LM CMC has reviewed this concept paper within their agency, directorate, or sector as necessary to provide the concurrence of that organization with this MOA.

Attachment: - Concept paper LMC 99-1

## Removal of Cancelled Technical Specifications

In accordance with Approved Single Process Initiative CPC1999-LMC99-1

### Specifications Table

Referenced Spec / Standard	Title	Date Cancelled	Replacement NGS (non-govt std)	LMMFC Implementation	Transition Period
QQ-N-290	Nickel Plating (Electrodeposited)	3 May 2001		--	
Class 1			Yes	AMS 2403	
Class 2			Yes	AMS 2423	
QQ-W-343	Wire, Electrical, Copper (Uninsulated)	29 Sept 2000	n/a	A-A-59551	
ASTM E380	Standard Practice for Use of the International System of Units (SI) (The Modernized Metric System)	15 Aug 1993	Yes	IEEE/ASTM SI 10	
MIL-STD-403	Preparation for and Installation of Rivets and Screws, Rocket, Missile, and Airframe Structures	24 Oct 2001 Notice of Inactive for NEW DESIGN	n/a	Unless otherwise specified in the defining engineering documentation, MIL-STD- 403 shall be applicable.	
QQ-S-571	Solder, Electronic (96 TO 485 °C)	15 June 1995	n/a	IPC-J-STD-005 for Solder Paste IPC-J-STD-006 for Solder	
QQ-B-575	Braid, Wire (Copper, Tin- Coated or Silver-Coated Tubular or Flat)	20 Nov 2000	n/a	A-A-59569	
MIL-A-907	Antiseize Thread Compound, High Temperature	n/a	n/a	MIL-PRF-907	
MIL-STD-973	Configuration Management	30 Sept 2000	Yes	EIA-649	

Referenced Spec / Standard	Title	Date Cancelled	Replacement NGS (non-govt std)	LMMFC Implementation	Transition Period
MIL-STD-2219	Fusion Welding for Aerospace Applications	4 Sept 2009	Yes	AWS D17.1	
MIL-S-6758	Steel, Chrome-Molybdenum (4130) Bars and Reforging Stock (Aircraft Quality)	5 Oct 1998	Yes	SAE-AMS-S-6758**	
MIL-S-8802	Sealing Compound, Temperature-Resistant, Integral Fuel Tanks and Fuel Cell Cavities, High Adhesion	28 Sept 1999	Yes	SAE AMS-S-8802	
MIL-STD-11991	Electrical, Electronic, and Electro-Mechanical Equipment, Guided Missile and Associated Weapon Systems, General Standard for the Design of	10 Dec 2002	n/a	Reinstate MIL-STD-11991	
MIL-F-14256 w/Amendment 1	Flux, Soldering, Liquid, Paste Flux, Solder Paste And Solder-Paste Flux, (For Electronic/Electrical Use), General Specification For	15 June 1995	Yes	IPC-J-STD-004	
MIL-C-14550	Copper Plating (Electrodeposited)	7 April 1998	Yes	SAE AMS 2418	
MIL-I-15126	Insulation Tape, Electrical, Pressure Sensitive Adhesive And Pressure Sensitive Thermosetting Adhesive	7 April 2005	Yes	A-A-59770	

Referenced Spec / Standard	Title	Date Cancelled	Replacement NGS (non-govt std)	LMMFC Implementation	Transition Period
MIL-S-22499	Shim Stock, Laminated	(Superseded) 27 Feb 1998		AMS-DTL-22499	
MIL-DTL-22499	Shim Stock, Laminated	22 April 1999	Yes	AMS-DTL-22499	
MIL-C-22750	Coating, Epoxy, High Solids	n/a	n/a	MIL-PRF-22750	
MIL-P-23377	Primer Coatings: Epoxy, Chemical and Solvent Resistant	30 Sept. 1994	n/a	MIL-PRF-23377	
MIL-I-23594	Insulation Tape, Electrical, High Temperature, Polytetrafluoroethylene, Pressure -Sensitive	26 July 1999	Yes	A-A-59474	
MIL-I-43553	Ink, Marking, Epoxy Based	30 Sept 1996	Yes	A-A-56032	
MIL-I-46058	Insulating Compound, Electrical (For Coating Printed Circuit Assemblies)	(Inactivated) 30 November 1998	Yes	IPC-CC-830	
MIL-S-46163	Sealing, Lubricating and Wicking Compounds: Thread-Locking, Anaerobic, Single-Component	(Inactivated) 23 March 2001	Yes	ASTM D 5363	
MIL-C-53039	Coating, Aliphatic Polyurethane, Single-Component, Chemical Agent Resistant	(Superseded) 8 June 2005	n/a	MIL-DTL-53039	
MIL-S-81733	Sealing and Coating Compound, Corrosion Inhibitive	(Superseded) 15 May 1998	n/a	MIL-PRF-81733	



Referenced Spec / Standard	Title	Date Cancelled	Replacement NGS (non-govt std)	LMMFC Implementation	Transition Period
MIL-W-81822	Wire, Electrical, Solderless Wrap, Insulated And Uninsulated, General Specification For	25 June 2009	Yes	SAE AS81822	
MIL-A-82720	Adhesive, Modified-Epoxy, Flexible, Two Part (METRIC)	10 April 1991	n/a	DoD-A-82720	
MIL-P-85582 w/ Amendment 1	Primer Coatings: Epoxy, Waterborne	30 Sept 1997	n/a	MIL-PRF-85582	

NOTE: \*\* Inactive for new design.

Changes introduced by this revision are indicated by a vertical bar in left-hand margin.

**NICKEL PLATING**  
**QQ-N-290**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of QQ-N-290, "Nickel Plating (Electrodeposited)" with AMS 2403 for Class 1 applications and AMS 2423 for Class 2 applications. QQ-N-290A was canceled on 3 May 2001 stating that future acquisition should refer to SAE-AMS-QQ-N-290, which was then canceled in March 2007. The cancellation of SAE-AMS-QQ-N-290 directs users to AMS 2403 and AMS 2423.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to process integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of QQ-N-290. Lockheed Martin Missiles and Fire Control has incurred minimal cost in establishing the suitability of this replacement.

**WIRE, ELECTRICAL, COPPER (UNINSULATED)**  
**QQ-W-343**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of QQ-W-343, "Wire, Electrical, Copper (Uninsulated)" with A-A-59551 "Wire, Electrical, Copper (Uninsulated)". QQ-W-343G was superseded by A-A-59551.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of QQ-W-343. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**STANDARD PRACTICE FOR USE OF THE INTERNATIONAL  
SYSTEM OF UNITS (SI) (THE MODERNIZED METRIC SYSTEM)**  
**ASTM E380**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, “Removal of Cancelled Technical Specifications”, approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of ASTM E380 “Standard Practice for Use of the International System of Units (SI) (The Modernized Metric System)” with IEEE/ASTM SI 10 “American National Standard for Use of the International System of Units (SI): The Modern Metric System.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of ASTM E380. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**PREPARATION FOR AND INSTALLATION OF RIVETS AND  
SCREWS, ROCKET, MISSILE, AND AIRFRAME STRUCTURES**  
**MIL-STD-403**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, “Removal of Cancelled Technical Specifications”, approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests continued usage of MIL-STD-403 “Preparation for and Installation of Rivets and Screws, Rocket, Missile, and Airframe Structures”.

This continued usage has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the notice of inactive for new design of MIL-STD-403. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**SOLDER, ELECTRONIC (96 TO 485 DEG. C)**  
**QQ-S-571**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of QQ-S-571, "SOLDER, ELECTRONIC (96 TO 485 DEG. C)" with IPC J-STD-005 "Requirements for Soldering Pastes", and IPC J-STD-006 "Requirements for Electronic Grade Solder Alloys and Fluxed and Non-Fluxed Solid Solders for Electronic Soldering Applications". QQ-S-571F was superseded by IPC J-STD-005, and IPC J-STD-006B.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of QQ-S-571. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**BRAID, WIRE (COPPER, TIN-COATED OR SILVER-COATED,  
TUBULAR OR FLAT)**  
**QQ-B-575**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of QQ-B-575, "Braid, wire (Copper, Tin-coated or Silver-coated, Tubular or Flat) with A-A-59569 "Braid, Wire (Copper, Tin-coated, Silver-coated, or Nickel Coated Tubular or Flat". QQ-B-575 was superseded by A-A-59569.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of QQ-B-575. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**ANTISEIZE THREAD COMPOUND**  
**MIL-A-907**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, “Removal of Cancelled Technical Specifications”, approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-A-907, “Antiseize Thread Compound, High Temperature” with MIL-PRF-907 “Antiseize Thread Compound, High Temperature”. MIL-A-907E was superseded by MIL-PRF-907F.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-A-907. Lockheed Martin Missiles and Fire Control has incurred minimal cost in establishing the suitability of this replacement.



**CONFIGURATION MANAGEMENT SPECIFICATION**  
**MIL-STD-973**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-STD-973, "Configuration Management" with EIA-649 "National Consensus Standard for Configuration Management". MIL-STD-973 was cancelled without replacement on September 30, 2000. A memo from Deputy Director, Systems Engineering, USD (A&T) dated January 14, 2000, states that the Department of Defense (DoD) has adopted EIA-649 for use.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-STD-973. Lockheed Martin Missiles and Fire Control's internal procedures and contract specific Configuration Management Plans are consistent with EIA-649.

**FUSION WELDING FOR AEROSPACE APPLICATIONS**  
**MIL-STD-2219**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-STD-2219, "Fusion Welding For Aerospace Applications" with AWS D17.1, "Specification For Fusion Welding For Aerospace Applications". MIL-STD-2219 was canceled on 4 September 2009, stating that future acquisition should refer to AWS D17.1.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to process integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-STD-2219. Lockheed Martin Missiles and Fire Control has incurred minimal cost in establishing the suitability of this replacement.

**STEEL, CHROME-MOLYBDENUM BARS AND REFORGING STOCK**  
**MIL-S-6758**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-S-6758, "Steel, Chrome-Molybdenum (4130) Bars and Reforging Stock (Aircraft Quality)" with SAE AMS-S-6758 "Steel, Chrome-Molybdenum (4130) Bars and Reforging Stock (Aircraft Quality)". MIL-S-6758B was canceled on 5 October, 1998 stating that future acquisition should refer to SAE-AMS-S-6758.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-S-6758. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing a monitoring system to determine the suitability of each instance of replacement.

**SEALING COMPOUND**  
**MIL-S-8802**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-S-8802, "Sealing Compound, Temperature-Resistant, Integral Fuel Tanks And Fuel Cell Cavities, High Adhesion" with SAE AMS-S-8802 "Sealing Compound, Temperature Resistant, Integral Fuel Tanks And Fuel Cell Cavities, High Adhesion". MIL-S-8802F was canceled on 28 September, 1999 stating that SAE AMS-S-8802 was a suitable replacement, however, users were cautioned to evaluate SAE AMS-S-8802 for their particular application.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-S-8802. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing a monitoring system to determine the suitability of each instance of replacement.

**ELECTRICAL, ELECTRONIC, AND ELECTRO-MECHANICAL  
EQUIPMENT, GUIDED MISSILE AND ASSOCIATED WEAPON  
SYSTEMS, GENERAL STANDARD FOR THE DESIGN OF  
MIL-STD-11991**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests reinstatement of MIL-STD-11991, "Electrical, Electronic, and Electro-Mechanical Equipment, Guided Missile and Associated Weapon Systems, General Standard for the Design of". MIL-STD-1199 was canceled on 30 January, 1996 stating that future acquisitions should refer to MIL-HDBK-11991. However, MIL-HDBK-11991 was subsequently cancelled without replacement on 10 December 2002.

This reinstatement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-STD-11991. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing a monitoring system to determine the suitability of each instance of replacement.

**GENERAL SPECIFICATION FOR SOLDERING FLUX**  
**MIL-F-14256**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-F-14256 w/ Amendment 1 "Flux, Soldering, Liquid, Paste Flux, Solder Paste And Solder-Paste Flux, (For Electronic/Electrical Use), General Specification For" with IPC J-STD-004 "Requirements for Soldering Fluxes". MIL-F-14256F w/ Amendment 1 was superseded by IPC J-STD-004B.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-F-14256. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**COPPER PLATING**  
**MIL-C-14550**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-C-14550, "Copper Plating (Electrodeposited)" with AMS 2418. MIL-C-14550 was canceled on 7 April 1998, recommending AMS 2418 as a possible replacement.

This recommended replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-C-14550. Lockheed Martin Missiles and Fire Control has incurred minimal cost in establishing the suitability of this replacement.

**Insulation Tape**  
**MIL-I-15126**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, “Removal of Cancelled Technical Specifications”, approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-I-15126 “Insulation Tape, Electrical, Pressure Sensitive Adhesive And Pressure Sensitive Thermosetting Adhesive” with A-A-59770 “Insulation Tape, Electrical, Pressure Sensitive Adhesive And Pressure Sensitive Thermosetting Adhesive”.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-I-15126. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.



**LAMINATED SHIM STOCK**  
**MIL-S-22499**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-S-22499 and MIL-DTL-22499, "Shim Stock, Laminated" with AMS-DTL-22499 "Shim Stock, Laminated". MIL-DTL-22499D was cancelled on 22 April 1999 stating that future acquisition for this product should refer to AMS-DTL-22499.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-S-22499. Lockheed Martin Missiles and Fire Control may incur minimal cost establishing a monitoring system to determine the suitability of each instance of replacement.

**EPOXY COATING SPECIFICATION**  
**MIL-C-22750**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-C-22750, "Coating, Epoxy, High Solids" with MIL-PRF-22750 "Coating, Epoxy, High Solids". MIL-C-22750E was superseded by MIL-PRF-22750F.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-C-22750. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**HIGH-SOLID EPOXY PRIMER**  
**MIL-P-23377**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-P-23377 "Primer Coatings: Epoxy, Chemical and Solvent Resistant" with MIL-PRF-23377 "Primer Coatings: Epoxy, High-Solids". MIL-P-23377F is superseded by MIL-PRF-23377G.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-P-23377. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**POLYTETRAFLUORETHYLENE INSULATION TAPE**  
**MIL-I-23594**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-I-23594 with A-A-59474. MIL-I-23594C was canceled 26 July 1999 stating that future acquisition should refer to A-A-59474.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**NOTE**

The Standards Developing Organization for this replacement specification has agreed to correct the following error at the time of their next revision:

**NORMAL OPERATING TEMPERATURE**

FROM: 310 ±10°C

TO: 327 ±10°C

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no savings to DoD contracts due to the cancellation of MIL-I-23594. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**EPOXY MARKING INK**  
**MIL-I-43553**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-I-43553, "Ink, Marking, Epoxy Based" with A-A-56032 "Ink, Marking, Epoxy Based". MIL-I-43553B was cancelled on September 30, 1996 stating that future acquisition should refer to A-A-56032.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-I-43553. Lockheed Martin Missiles and Fire Control may incur minimal cost establishing a monitoring system to determine the suitability of each instance of replacement.

**ENCAPSULATING MATERIAL SPECIFICATION**  
**MIL-I-46058**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-I-46058 with IPC-CC-830. MIL-I-46058C became inactive as of 30 November 1998, without any replacement. Notice 1 of this specification states that it can no longer be used for new designs. MIL-I-46058 was the Department of Defense (DOD) specification for Printed Wiring Assembly / Circuit Card Assembly (PWA / CCA) conformal coating materials. It was the only Industry wide recognized PWA / CCA conformal coating material specification before the release of Industry specification IPC-CC-830.

IPC-CC-830 is now the only Industry wide PWA /CCA conformal coating material specification. The industry experts, including the experts from the DOD, created this specification. These included representatives from conformal coating material suppliers, PWA / CCA manufacturers and DOD representatives. The technical requirements of IPC-CC-830 are similar to MIL-I-46058. Therefore, no technical concern exists due to this replacement.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no savings to DoD contracts due to the cancellation of MIL-I-46058. Lockheed Martin Missiles and Fire Control may incur minimal cost to establish a monitoring system for the PWA / CCA encapsulating materials. The MIL-I-46058 encapsulating material supplier's program for qualification data, quality conformance inspection and quality system controls will no longer be verified and monitored by DOD due to this cancellation.

**SEALING COMPOUND ADHESIVE**  
**MIL-S-46163**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, “Removal of Cancelled Technical Specifications”, approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-S-46163, “Sealing, Lubricating and Wicking Compounds: Thread-Locking, Anaerobic, Single-Component” with ASTM D 5363 “Anaerobic Single-Component Adhesive (AN)”. MIL-S-46163A was inactivated and users were advised to consult ASTM D 5363 as a possible replacement.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the inactivation of MIL-S-46163. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**POLYURETHANE COATING**  
**MIL-C-53039**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-C-53039, "Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant" with MIL-DTL-53039 "Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant". MIL-C-53039A was superseded by MIL-DTL-53039B.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

NOTE

The Standards Developing Organization for this replacement specification has agreed to clarify the following at the time of their next revision:

"Whenever Type I or Type II is not specifically required in a relevant contractual document, either type of coating is acceptable."

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-C-53039. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.



**SEALING COMPOUND**  
**MIL-S-81733**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-S-81733, "Sealing And Coating Compound, Corrosion Inhibitive" with MIL-PRF-81733 "Sealing And Coating Compound, Corrosion Inhibitive". MIL-S-81733C was superseded by MIL-PRF-81733D.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-S-81733. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**GENERAL SPECIFICATION FOR SOLDERLESS WRAP**  
**MIL-W-81822**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-W-81822 "Wire, Electrical, Solderless Wrap, Insulated And Uninsulated, General Specification For" with SAE AS81822 "Wire, Electrical, Solderless Wrap, Insulated And Uninsulated, General Specification For". MIL-W-81822 was superseded by SAE AS81822.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-W-81822. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.

**EPOXY ADHESIVE**  
**MIL-A-82720**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, “Removal of Cancelled Technical Specifications”, approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-A-82720, “Adhesive, Modified-Epoxy, Flexible, Two Part” with DoD-A-82720 “Adhesive, Modified-Epoxy, Flexible, Two-Part (METRIC)”. On 9 May 1996, MIL-A-82720 was superseded by DOD-A-82720.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the cancellation of MIL-A-82720. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing a monitoring system to determine the suitability of each instance of replacement.

**WATERBORNE EPOXY PRIMER**  
**MIL-P-85582**

In accordance with Single Process Initiative (SPI) CPC1999-1-LMC99-1, "Removal of Cancelled Technical Specifications", approved Feb 09, 2000, Lockheed Martin Missiles and Fire Control requests replacement of MIL-P-85582 w Amendment 1 "PRIMER COATINGS: EPOXY, WATERBORNE" with MIL-PRF-85582 "PRIMER COATINGS: EPOXY, WATERBORNE". MIL-P-85582B is superseded by MIL-PRF-85582C.

This replacement has been reviewed and approved by the responsible technical and operational disciplines as having no impact to product integrity.

**COST BENEFIT ANALYSIS:**

Lockheed Martin Missiles and Fire Control estimates that there will be no cost impact to DOD contracts due to the supersession of MIL-P-85582. Lockheed Martin Missiles and Fire Control may incur minimal cost in establishing the suitability of this replacement.