

Engineering Requirements Flowdown Guide

July 2021



FOR INFORMATION ONLY

Overview

This document was developed as a guide to represent the process of flowing down Lockheed Martin Aeronautics engineering requirements to suppliers and processors. The guide is an aid for any supplier/subcontractor processing parts or building hardware to an Aero design.

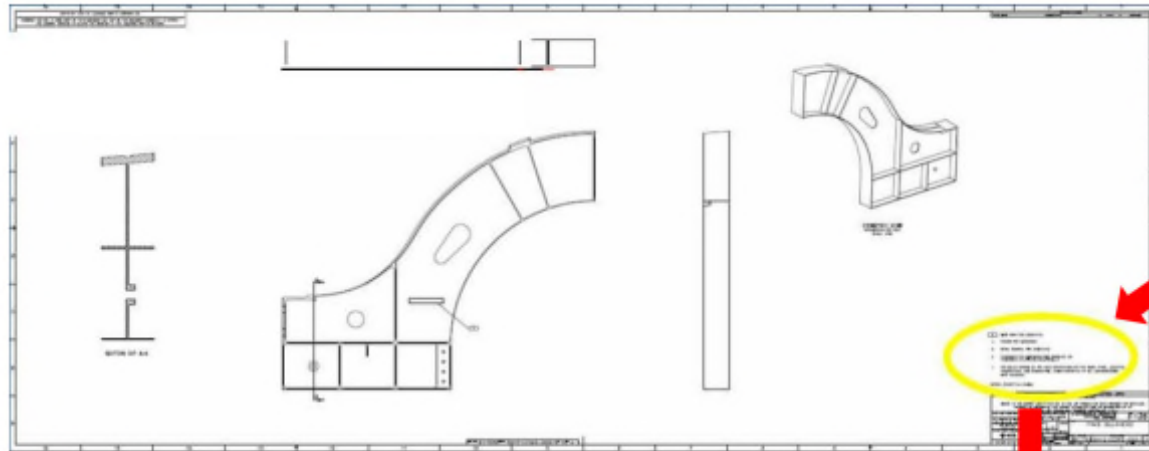
This data is provided as a guide, and does not necessarily consist of all embedded requirements.

Remember – All item(s)/material(s) on your Purchase Order must be manufactured in accordance with the latest engineering drawing with the exception of spares and repairs. If you do not have the latest revision, please contact your Lockheed Martin Aeronautics Buyer immediately.

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Lockheed Martin Aeronautics Engineering Drawing



**Process
Specifications
located here**

- 34 REMOVE FINISH ON SELECTED SURFACES FOR BONDING. FINISH IN FILLETS IS ACCEPTABLE. RESTORE CORROSION PROTECTION PER ABCDEFG00001
- 33 ORIENT NUTPLATE SO THAT REMOVAL CLIP END FACES UP.
- 32 VERIFY CLASS R ELECTRICAL BOND BETWEEN IDENTIFIED SURFACES OF DESIGNATED PARTS PER ABCDEFG00001
- 31 (E) ELECTRICAL BOND PER ABCDEFG00001 METHOD 1 FOR PAINTED SURFACES METHOD 3 FOR UNPAINTED SURFACES. CATEGORY 2. CLASS R.

Lockheed Martin Purchase Order (PO)

Purchase Order: 1234567

Amendment Number: 00000002

Order Date: 02/17/2014

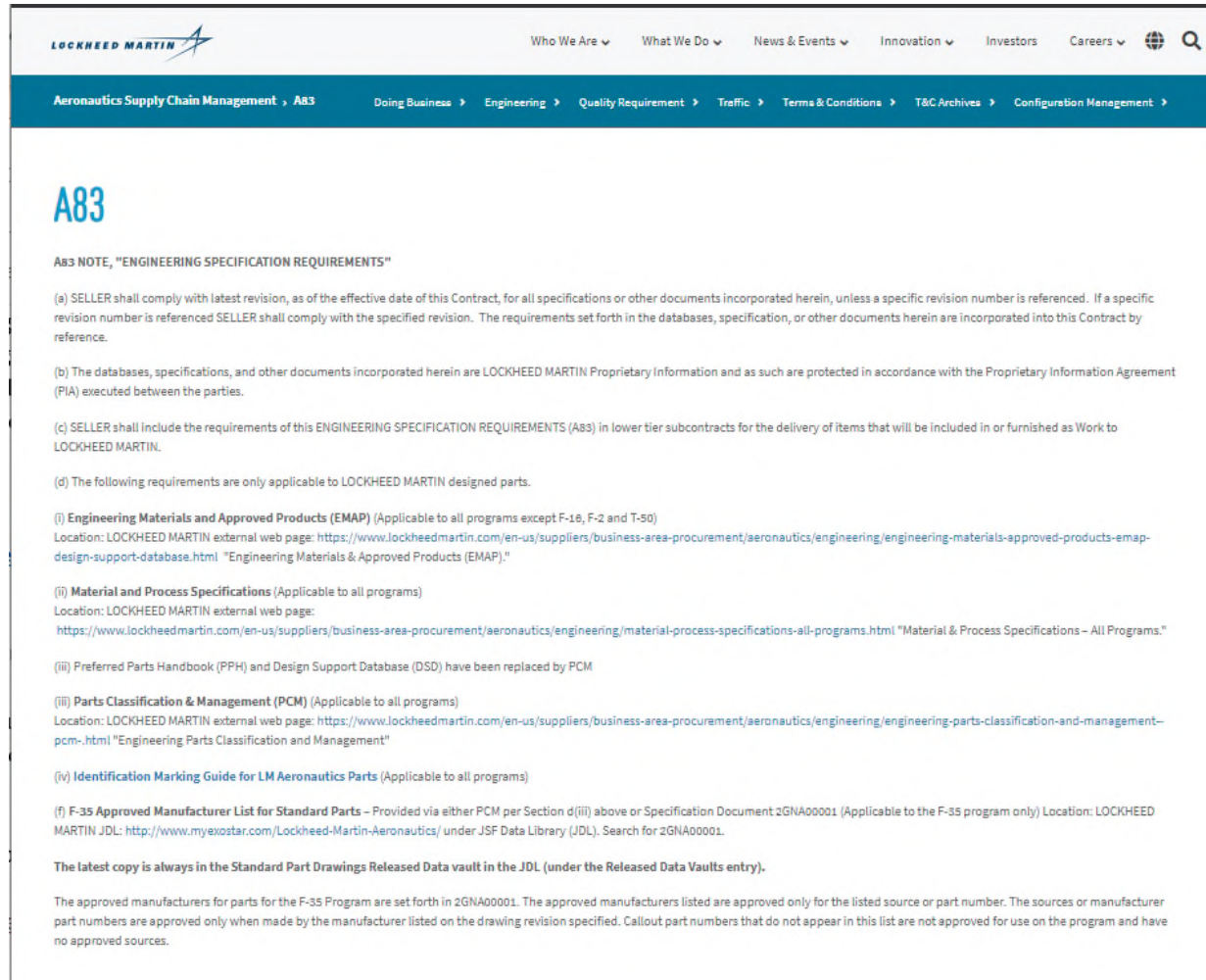
FORT WORTH	TX 76108	US
FOB		
Payment Method:	Prepaid (by Seller)	
FOB (Transportation):	Origin (Shipping Point) See PO text for routing URL	
FOB (Title Passage):	FOB/INCO terms provided here apply unless superseded by terms per line item	
Risk of Loss:	;	
Tax		
Tax ID Number:	TBD	
Tax Location Qualifier:		
Tax Location ID:		
Exemption Desc:		
Notes		
Item text:		
*		
Letters & Notes: *** Quality Terms & Conditions ***		
*		
Quality Text====Description =====:		
A83	FLOW OF ENG SPEC RQMTS: LM DESIGN ONL	
BA	BUYER ACCEPT AT SOURCE	
QX+	QUALITY APPENDIX QX DATED 20 AUGUST 2012 - AS9100 REQU	
*		
Letters & Notes: *** Quality Definition: A83 ***		
*		
You must review the text for A83 located on the Lockheed Martin external		
webpage located at: http://www.lockheedmartin.com/us/aeronautics/materialmanagement.html under "Engineering" then "A83"		
*		

A83 Incorporated into Purchase Order at line item level

Instructions to get A83 Requirements

How do I get to A83?

<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/a83.html>



LOCKHEED MARTIN Who We Are ▾ What We Do ▾ News & Events ▾ Innovation ▾ Investors Careers ▾

Aeronautics Supply Chain Management ▾ A83 Doing Business ▾ Engineering ▾ Quality Requirement ▾ Traffic ▾ Terms & Conditions ▾ T&C Archives ▾ Configuration Management ▾

A83

A83 NOTE, "ENGINEERING SPECIFICATION REQUIREMENTS"

(a) SELLER shall comply with latest revision, as of the effective date of this Contract, for all specifications or other documents incorporated herein, unless a specific revision number is referenced. If a specific revision number is referenced SELLER shall comply with the specified revision. The requirements set forth in the databases, specification, or other documents herein are incorporated into this Contract by reference.

(b) The databases, specifications, and other documents incorporated herein are LOCKHEED MARTIN Proprietary Information and as such are protected in accordance with the Proprietary Information Agreement (PIA) executed between the parties.

(c) SELLER shall include the requirements of this ENGINEERING SPECIFICATION REQUIREMENTS (A83) in lower tier subcontracts for the delivery of items that will be included in or furnished as Work to LOCKHEED MARTIN.

(d) The following requirements are only applicable to LOCKHEED MARTIN designed parts.

(i) **Engineering Materials and Approved Products (EMAP)** (Applicable to all programs except F-16, F-2 and T-50)
Location: LOCKHEED MARTIN external web page: <https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/engineering-materials-approved-products-emap-design-support-database.html> "Engineering Materials & Approved Products (EMAP)."

(ii) **Material and Process Specifications** (Applicable to all programs)
Location: LOCKHEED MARTIN external web page: <https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/material-process-specifications-all-programs.html> "Material & Process Specifications – All Programs."

(iii) Preferred Parts Handbook (PPH) and Design Support Database (DSD) have been replaced by PCM

(iii) **Parts Classification & Management (PCM)** (Applicable to all programs)
Location: LOCKHEED MARTIN external web page: <https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/engineering-parts-classification-and-management-pcm-.html> "Engineering Parts Classification and Management"

(iv) **Identification Marking Guide for LM Aeronautics Parts** (Applicable to all programs)

(f) **F-35 Approved Manufacturer List for Standard Parts** – Provided via either PCM per Section d(iii) above or Specification Document 2GNA00001 (Applicable to the F-35 program only) Location: LOCKHEED MARTIN JDL: <http://www.myexostar.com/Lockheed-Martin-Aeronautics/> under JSF Data Library (JDL). Search for 2GNA00001.

The latest copy is always in the Standard Part Drawings Released Data vault in the JDL (under the Released Data Vaults entry).

The approved manufacturers for parts for the F-35 Program are set forth in 2GNA00001. The approved manufacturers listed are approved only for the listed source or part number. The sources or manufacturer part numbers are approved only when made by the manufacturer listed on the drawing revision specified. Callout part numbers that do not appear in this list are not approved for use on the program and have no approved sources.

Lockheed Martin Purchase Order (PO)

Purchase Order: 1234567

Amendment Number: 00000002

Order Date: 02/17/2014

FORT WORTH	TX 76108	US
FOB		
Payment Method:	Prepaid (by Seller)	
FOB (Transportation):	Origin (Shipping Point) See PO text for routing URL	
FOB (Title Passage):	FOB/INCO terms provided here apply unless superseded by terms per line item	
Risk of Loss:	:	
Tax		
Tax ID Number:	TBD	
Tax Location Qualifier:		
Tax Location ID:		
Exemption Desc:		
Notes		
Item text:		
* Letters & Notes: *** Quality Terms & Conditions *** * Quality Text-----Description ----- AS3 FLOW OF ENG SPEC REQMS: LM DR EA ENGINE SOURCE AT SOURCE QX+ QUALITY APPENDIX QX PART 10 AUGUST 2012 - AS9100 REQ * Letters & Notes: *** Quality Definition: AS3 *** * You must review the text for AS3 located on the Lockheed Martin external webpage located at: http://www.lockheedmartin.com/us/aeronautics/materialmanagement.html under "Engineering" then "AS3"		

Reference to Quality Appendix "QX"

Website location noted at line item

Letters & Notes: *** Quality Definition: QX+ ***
*
WHEN THIS PURCHASE ORDER, OR CONTRACT CALLS FOR QUALITY APPENDIX "QX", THAT DOCUMENT CAN BE FOUND ON THE BUYER'S WEBSITE FOUND AT:
*
[HTTP://WWW.LOCKHEEDMARTIN.COM/US/AERONAUTICS/MATERIALMANAGEMENT.HTML](http://www.lockheedmartin.com/us/aeronautics/materialmanagement.html)
*
UNDER QUALITY REQUIREMENTS -> QUALITY APPENDICES INFORMATION.
*
IN ADDITION, THE "+" INDICATES THE REQUIREMENT FOR A THIRD PARTY AS910 APPROVED QUALITY SYSTEM.
*

Parts Classification & Management tool (PCM)

Formerly Design Support
Database(DSD)/Preferred Parts
Handbook (PPH)

What is the Parts Classification & Management (PCM) Tool?

PCM contains the official Engineering source for Engineering procurement requirements of standard parts for Lockheed Martin Aeronautics

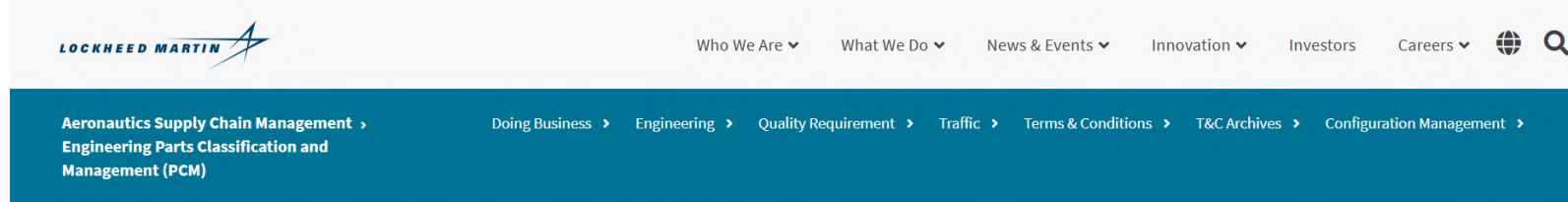
- PCM specifies the approval sources and contains specific information that suppliers and Lockheed Martin Aeronautics (Marietta) Receiving and Inspection must follow. PCM also includes stocking and usage instructions for superseded parts.

Who needs it and why?

- Build to Print subcontractors/suppliers of Lockheed Martin Aeronautics designed assemblies.
- Information in the PCM shall be used by Lockheed Martin Aeronautics and its subcontractors/suppliers for the procurement and receipt of component parts used in the production of Lockheed Martin Aeronautics-Marietta designed assemblies.
- **Instructional “how-to” training is provided within the tool under the Help menu.**

How do I get there?

<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/engineering-parts-classification-and-management--pcm-.html>



Engineering Parts Classification and Management (PCM)

The PCM-Parts database is a compilation of the Engineering requirements for the purchasing of all standard component parts used for Lockheed Martin Programs. The approved manufacturers listed are approved only for the listed source or part number. The sources or manufacturer part numbers are approved only when made by the manufacturer listed on the drawing revision specified. Callout part numbers that do not appear in this list are not approved for use on the program and have no approved sources.

External users requesting PCM parts database tool access need an EXOSTAR account. Log on to the EXOSTAR site to obtain access or additional information. For any issues or questions for getting access, please work with your LM AERO contractual POC. Existing EXOSTAR accounts holders have no further actions and proceed to Part Classification and Management (PCM) – Parts access request instructions below.

<https://portal.exostar.com/idprov/pages/home/dashboard.faces>

PART CLASSIFICATION AND MANAGEMENT (PCM) -PARTS ACCESS INSTRUCTIONS Access to PCM-Parts is a two-step procedure.

Access to PCM-Parts is a two-step procedure.

First:

Copy and paste the list below to an email adding the information requested and send to: pcm-comp-engr.gr-aero@lmco.com

1. Company name and complete address:
2. Requestor's first and last name:
3. Email address:
4. Telephone number:
5. Cage Code:
6. List specific Program/s you need access (e.g. C-130, C-5, etc):
7. Justification for access (for each program)**:
8. Lockheed Martin Aeronautics buyer:
9. Lockheed Martin Aeronautics supplied Seller Code:
10. User id (same as your Exostar id):
11. Role request (PC21 – designer or PC23 – procurement):

**A justification must be provided for each program for which you are requesting access. Identification of current contract and/or built-to-print assembly number should be included.

Engineering Materials & Approved Products (EMAP)

Lockheed Martin Aeronautics Approved
Material Suppliers

What is EMAP?

- EMAP Contains all materials required by engineering drawings, process specifications, process bulletins, design standards and purchase orders for the manufacture of Lockheed Martin Aeronautics designed parts.
- EMAP also contains references to material specifications, approved raw material manufacturers and their products, a cross reference for superseded and current specifications, and additional requirements above and beyond the specification requirements.

Note: EMAP is applicable to all LM Aeronautics programs with the exception of F-16, F-2, and T-50 Programs

Who needs it and why?

- Suppliers and/or processors who supply Lockheed Martin Aeronautics designed parts need access to EMAP. Lockheed Martin Aeronautics suppliers and distributors must comply to the EMAP requirements for selling/supplying engineering materials to Lockheed Martin Aeronautics.
- The information in EMAP is used by Lockheed Martin Aeronautics and its subcontractors for the procurement and receipt of materials used in the production of Lockheed Martin Aeronautics designed parts, whether fabricated or purchased.
- LMA-D0006 Defines the Contents and Usage of EMAP. This document should be used as a reference to understand the various requirements in the EMAP database.
- The EMAP database is segregated into four Sections:
 - G – Marietta
 - F – Fort Worth
 - P – Palmdale
 - A – All Sites

Although usage of the A-section is intended for all programs/ sites, current usage is primarily for F-35 (for all sites); Exceptions to F-35 usage are specified in the Internal and Additional Notes

How do I get access to EMAP?

<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/engineering-materials-approved-products-emap-design-support-database.html>

The screenshot shows the Lockheed Martin website's navigation bar with the logo on the left and menu items: Who We Are, What We Do, News & Events, Innovation, Investors, and Careers. Below the navigation bar is a breadcrumb trail: Aeronautics Supply Chain Management > Engineering Materials & Approved Products (EMAP). The main content area features the title "Engineering Materials & Approved Products (EMAP) Database" in a large blue font. Below the title, the text reads: "ENGINEERING MATERIALS AND APPROVED PRODUCTS - EMAP. The EMAP database contains Engineering-controlled raw materials, products, and equipment required for LM Aero Engineering products for Ft Worth, Marietta, and Palmdale programs. External users access EMAP through Exostar authentication platform (https://www.exostar.com/). Each user must have their own Exostar credentials. The EMAP database is not applicable to the F-16, F-2 and T-50 Programs." This is followed by a section titled "EMAP DATABASE ACCESS INSTRUCTIONS" which states: "Access to EMAP requires approval from an LM Aero Procurement Representative (Buyer or Supplier Quality Engineer). Please copy and paste the list below to an email adding the user's information requested and send to the applicable Procurement Representative:" followed by a numbered list: 1. Company name and complete address, 2. Company Exostar Organization ID, 3. Requestor's first and last name, 4. Requestor's Email address, 5. Requestor's Telephone number. Below the list, it says: "The Procurement Representative ensures that a valid purchase order, request for proposal, or contract is in place, and that a valid Proprietary Information Agreement (PIA) or license agreement with the user's company is in effect. Upon approval the Procurement Representative forwards the user's information to the OARS Team (oars-acct-creation.fc-eis@lmco.com) to invite the user to EMAP and OARS through Exostar. Once the new user is invited, they can complete the application process in OARS, acknowledging they have received the EMAP training below." There is a section for "EMAP Training" with a link to "EMAP Training". Finally, it says "EMAP questions may be directed to:" followed by the email address "mpengineering-emap-info.fc-aero@lmco.com".

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Who We Are ▾ What We Do ▾ News & Events ▾ Innovation ▾ Investors Careers ▾

Aeronautics Supply Chain Management > Engineering Materials & Approved Products (EMAP)

Engineering Materials & Approved Products (EMAP) Database

ENGINEERING MATERIALS AND APPROVED PRODUCTS - EMAP

The EMAP database contains Engineering-controlled raw materials, products, and equipment required for LM Aero Engineering products for Ft Worth, Marietta, and Palmdale programs. External users access EMAP through Exostar authentication platform (<https://www.exostar.com/>). Each user must have their own Exostar credentials.

The EMAP database is not applicable to the F-16, F-2 and T-50 Programs.

EMAP DATABASE ACCESS INSTRUCTIONS

Access to EMAP requires approval from an LM Aero Procurement Representative (Buyer or Supplier Quality Engineer). Please copy and paste the list below to an email adding the user's information requested and send to the applicable Procurement Representative:

1. Company name and complete address
2. Company Exostar Organization ID
3. Requestor's first and last name
4. Requestor's Email address
5. Requestor's Telephone number

The Procurement Representative ensures that a valid purchase order, request for proposal, or contract is in place, and that a valid Proprietary Information Agreement (PIA) or license agreement with the user's company is in effect. Upon approval the Procurement Representative forwards the user's information to the OARS Team (oars-acct-creation.fc-eis@lmco.com) to invite the user to EMAP and OARS through Exostar. Once the new user is invited, they can complete the application process in OARS, acknowledging they have received the EMAP training below.

EMAP Training

[EMAP Training](#)

EMAP questions may be directed to:

mpengineering-emap-info.fc-aero@lmco.com.

How do I get access to EMAP?

- **External Suppliers access EMAP through Exostar**
 - **Supplier Company must set up their own Exostar accounts (<https://www.exostar.com/>)**
 - **LM Procurement Rep for Suppliers request invitation to EMAP and OARS in Exostar**
 - **Suppliers with direct contracts – Procurement Rep is the LM Buyer**
 - **Suppliers who are Approved Processors without direct contract – Procurement Rep is the processor’s Supplier Quality Rep**
 - **Supplier requests EMAP account through OARS (Online Account Request System)**
 - **OARS is also used for EMAP Account Renewals and Reactivations**
- **EMAP Passwords:**
 - **EMAP Accounts cannot be shared**
 - **EMAP Passwords expire after 60 days**
 - **EMAP Accounts are deactivated after 90 days of inactivity**
 - **Password Resets**
 - **User can set up Security Questions in EMAP to reset their password prior to 60 day expiration**
 - **Update Security Questions by selecting your name on the upper right of EMAP Home Screen**
 - **Email mpengineering-emap-info.fc-aero@lmco.com (posted on EMAP Login Screen)**

EMAP Usage

LMA-D0006

LMA-D0006 defines the use and contents of the LM Aero Engineering Materials and Approved Products (EMAP) database. LMA-D0006 may be accessed as follows:

- You may request a copy through your LM Buyer through your Data Transfer folder in EDCS.
- If you have access to LMA specifications in EDCS/ Main through Exostar: [EDCS/Main Link](#)
- If you have access to JDL through Exostar: [JDLLink](#)
(You will have to copy (right click) and paste the links above after opening the application in Exostar)

EMAP Basic Training:

<https://www.lockheedmartin.com/content/dam/lockheed-martin/aero/documents/scm/Engineering/Engineering-Materials---Approved-Products--EMAP----Design-Support-Database--DSD-/EMAP%20Read%20Only%20User%20Training.pptx>

QCS-001

Lockheed Martin Aeronautics Controlled Processes & Approved Processors

Earl Review/Update

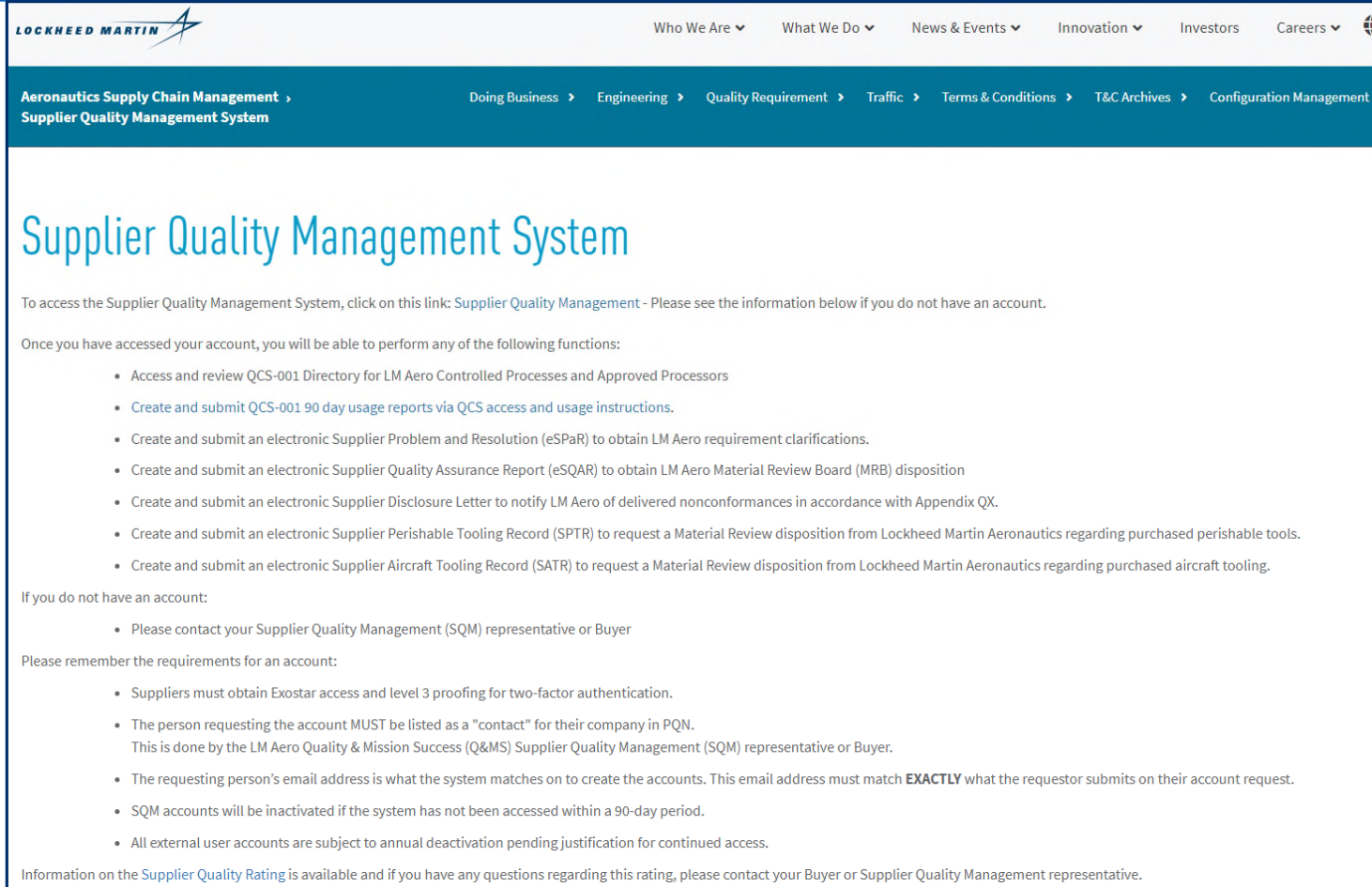
What is QCS-001?

- QCS-001 – Directory for Lockheed Martin Aeronautics Controlled Processes and Approved Processors
- Controlled Process – An operation performed on an item where the operation is not readily inspectable subsequent to its conclusion.
 - Controlled processes have verifiable controls inherent to the process i.e. heat treat, plating, nondestructive testing, etc.
 - The controlled processes listed in QCS-001 are not applicable to standard hardware (nuts, bolts, washers, etc.) that are ordered to military, federal or industry specifications or industry standards (e.g.; MS, AN, NAS, etc.).
 - Controlled processes are not applicable to metallic raw material (plate, sheet, bar, extrusion, etc.) until the manufacturer begins processing the raw material to our design requirements.
 - QCS-001 only applies to suppliers as defined in Quality Appendix QX

Note: Requesting additional sources and or approvals to existing sources in QCS-001 is not done on an ESPAR. Requests are handled via the LM Buyer and or Special Process Quality Engineer assigned to a special process source

How do I get to QCS-001?

<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/quality-requirements/supplier-quality-management-system.html>



The screenshot shows the Lockheed Martin website's Supplier Quality Management System page. The top navigation bar includes the Lockheed Martin logo and links for Who We Are, What We Do, News & Events, Innovation, Investors, and Careers. A secondary navigation bar lists Aeronautics Supply Chain Management and Supplier Quality Management System. The main content area features the title 'Supplier Quality Management System' and a paragraph explaining how to access the system. Below this, there are two sections: 'Once you have accessed your account, you will be able to perform any of the following functions:' and 'If you do not have an account:'. Each section contains a bulleted list of actions and requirements. At the bottom, there is a note about Supplier Quality Rating information.

LOCKHEED MARTIN

Who We Are ▾ What We Do ▾ News & Events ▾ Innovation ▾ Investors Careers ▾

Aeronautics Supply Chain Management ▾
Supplier Quality Management System

Doing Business ▾ Engineering ▾ Quality Requirement ▾ Traffic ▾ Terms & Conditions ▾ T&C Archives ▾ Configuration Management ▾

Supplier Quality Management System

To access the Supplier Quality Management System, click on this link: [Supplier Quality Management](#) - Please see the information below if you do not have an account.

Once you have accessed your account, you will be able to perform any of the following functions:

- Access and review QCS-001 Directory for LM Aero Controlled Processes and Approved Processors
- Create and submit QCS-001 90 day usage reports via [QCS access and usage instructions](#).
- Create and submit an electronic Supplier Problem and Resolution (eSPaR) to obtain LM Aero requirement clarifications.
- Create and submit an electronic Supplier Quality Assurance Report (eSQAR) to obtain LM Aero Material Review Board (MRB) disposition
- Create and submit an electronic Supplier Disclosure Letter to notify LM Aero of delivered nonconformances in accordance with Appendix QX.
- Create and submit an electronic Supplier Perishable Tooling Record (SPTR) to request a Material Review disposition from Lockheed Martin Aeronautics regarding purchased perishable tools.
- Create and submit an electronic Supplier Aircraft Tooling Record (SATR) to request a Material Review disposition from Lockheed Martin Aeronautics regarding purchased aircraft tooling.

If you do not have an account:

- Please contact your Supplier Quality Management (SQM) representative or Buyer

Please remember the requirements for an account:

- Suppliers must obtain Exostar access and level 3 proofing for two-factor authentication.
- The person requesting the account MUST be listed as a "contact" for their company in PQN.
This is done by the LM Aero Quality & Mission Success (Q&MS) Supplier Quality Management (SQM) representative or Buyer.
- The requesting person's email address is what the system matches on to create the accounts. This email address must match **EXACTLY** what the requestor submits on their account request.
- SQM accounts will be inactivated if the system has not been accessed within a 90-day period.
- All external user accounts are subject to annual deactivation pending justification for continued access.

Information on the [Supplier Quality Rating](#) is available and if you have any questions regarding this rating, please contact your Buyer or Supplier Quality Management representative.

How do I request access to QCS-001 (SQM Account)?

<https://sqm.external.lmco.com/AccountRequest.aspx>

LOCKHEED MARTIN

Supplier Quality Management SQM Request Account
Request A New Account

This system is the property of this corporation/organization, and is intended for the use of authorized users only. All activities of individuals using this computing system with or without authority, or in excess of their authority, may be monitored and recorded by system personnel. If any such monitoring reveals evidence of criminal activity and is in violation of state and federal law, such evidence may be provided to law enforcement officials for further legal action by this Corporation's organization's Information Protection group.

Reminder: Information transmitted to a foreign person on this network may be subject to US Export Control laws. Contact your Export Coordinator for assistance.

First Name:	<input type="text"/>
Last Name:	<input type="text"/>
US Citizen:	<input type="checkbox"/> I am a United States citizen.
Email Address:	<input type="text"/>
Phone Number:	<input type="text"/> - <input type="text"/> - <input type="text"/>
Enter your LM Aero Supplier Number:	<input type="text"/>
Your LM Aero Buyer's Email Address:	<input type="text"/>

© Lockheed Martin Corporation

Complete and submit
Registration Form

*Email address *must* match the email that Lockheed Martin Aeronautics has on file as a contact.

Please contact the Special Process Quality Engineer assigned to your facility for additional assistance setting up an account

QCS-001 Directory

The screenshot shows the QCS-001 Directory website interface. At the top, there is a navigation bar with the Lockheed Martin logo, a header "LM Aero QCS-001 QCS-001 Directory", and a "Log Out" link. Below the header, the main content area is divided into several sections. On the left, there are three main menu items: "QCS-001 Queries", "QCS-001 Changes", and "QCS-001 Documentation". Each of these items is circled in red. To the right of the "QCS-001 Queries" section, there is a callout box titled "Query by:" with a list of options: "-Specification Index", "-Processor Name", "-Process Code", and "-Process Name". To the right of the "QCS-001 Changes" section, there is a callout box titled "QCS-001 Changes:" with a list of options: "-Specification Index Changes", "-Process Sources Added/Deleted", and "-List of Changes to Approved Sources". To the right of the "QCS-001 Documentation" section, there is a callout box titled "QCS-001 Documentation" with a list of options: "-QCS-001 Requirements Document" and "-Control Specs". On the right side of the page, there is a section titled "QCS-001 90 Day Usage Reporting" with a list of options: "-Report QCS-001 Usage" and "-Instructions for Usage Reporting". This section is also circled in red. Below this section, there is another callout box titled "QCS-001 90 Day Usage Reporting" with a list of options: "-Report QCS-001 Usage" and "-Instructions for Usage Reporting". At the bottom of the page, there is a copyright notice: "© Lockheed Martin Corporation".

Home [QCS001 Home](#)

LM Aero QCS-001
QCS-001 Directory

Log Out

QCS-001 Queries

- [Specification Index](#)
- [Query by Processor \(Vendor\) Name](#)
- [Query by Process Code](#)
- [Query by Process Name](#)

QCS-001 Changes

- [Specification Index Changes](#)
- [Process Sources Added](#)
- [Process Sources Deleted](#)
- [List of Changes to Approved Sources](#)

QCS-001 Documentation

- [QCS-001 Requirements Document](#)
- [Control Specs](#)

QCS-001 90 Day Usage Reporting

- [Report QCS-001 Usage](#)
- [Instructions for Usage Reporting](#)

QCS-001 90 Day Usage Reporting
(Only for use by LMAero Suppliers with Login ID)

- [Report QCS-001 Usage](#)
- [Instructions for Usage Reporting](#)

Query by:

- Specification Index
- Processor Name
- Process Code
- Process Name

QCS-001 Changes:

- Specification Index Changes
- Process Sources Added/Deleted
- List of Changes to Approved Sources

QCS-001 Documentation

- QCS-001 Requirements Document
- Control Specs

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Lockheed Martin Aeronautics Specifications

Where can I access LM Aero Specifications?

- EDCS – Enterprise Data/Collaborative System
 - A place for Lockheed Martin Suppliers/Processors to view Material & Process Specifications for ALL Lockheed Martin Aeronautics programs
 - Access is set up for each individual user (not a company-wide account)
 - EDCS access is only available for US persons (US citizen or permanent resident)
 - Some programs have their own instances of EDCS that foreign external users can access (such as JDL for F-35 and the Airlift instance for AMMM programs)
 - Access must be approved by Lockheed Martin Aeronautics Buyer or Supplier Quality Management (SQM) Representative who can verify the user's need to know, and that the appropriate Proprietary Information Agreement (PIA's) are in place
 - Access is not granted for QCS-001 processors. Specifications are flowed down from suppliers with direct Purchase Orders with Lockheed Martin

How do I get access to Specifications?

<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/engineering/material-process-specifications-all-programs.html>

Note: Submit all Access Requests to your LM Aero Procurement Rep for approval

Aeronautics Supply Chain Management > Material & Process Specifications - All Programs

Doing Business > Engineering > Quality Requirement > Traffic > Terms & Conditions > T&C Archives >
Configuration Management >

Materials and processes specifications for all programs, including Fort Worth, Marietta, and Palmdale specifications, may be accessed via the EDCS (Enterprise Data/ Collaborative System) Aeronautics/Main instance. For EDCS Main access, external suppliers should send their contact information (as shown below) to their LM Supply Chain Management (SCM) representative, who will verify the requestor's need to know, and that the appropriate LM Proprietary Information Agreement(s) (PIA) are in place with the requestor's company.

- First Name, Middle Initial, Last Name (Please include any suffix):
- External Email Address:
- Phone Number:
- Supplier's Company Name:
- Supplier's Company Address:
- Supplier's Company Exostar Organization ID:
- Supplier's Company DUNS Number (if available):
- Name of Application(s) External Supplier requires access to:
- Cage code for Application(s) External Supplier requires access to:
- Name of OARS Resource(s) External Supplier requires access to:

For F-22 RDL access, requestors must complete a CSAR form rather than submitting the information above. Upon approval of the requestor's access, the LM SCM representative will send the requestor's information to the following:

All other programs: [OARS Team](#)

Each individual requestor must have an Exostar account in order to access EDCS Main. If the requestor does not have an account, the LM SCM representative's request will initiate the Exostar account process. Once the Exostar account is activated, the requestor will be prompted to request M&P access via the electronic Data Access Request form. Each user at a company must complete an access request, since access is granted on an individual (not company) basis, and account login information may not be shared between users.

NOTE: DOD Classified Specifications are not available through EDCS. Hard copies are available through the specific program offices. Please contact your buyer.

Questions, comments or requests for general information regarding access to EDCS should be directed to the [EDCS Admin Team](#).

Points of Contact

Contact Information

Purchase Order (PO)

- Contact your Lockheed Martin Aeronautics Buyer

Parts Classification & Management (PCM)

- Contact Atul Kumbhani atul.kumbhani@lmco.com

Engineering Materials & Approved Products (EMAP)

- Contact mpengineering-emap-info.fc-aero@lmco.com

QCS-001 (Controlled Processes & Approved Processors)

- Contact Earl Pruett – (817) 777-0348 – earl.j.pruett@lmco.com

Material & Process Specifications (EDCS-Enterprise Data/Collaborative System)

- Contact edcs.coreadmins.fc-aero@lmco.com

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