

IQCS-410

Component Acceptance and Documentation for Shipments

REVISION RECORD

The latest issue to this document is the version that is available on the Lockheed Martin Aero website : <https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/quality-requirements/control-specs.html>

Revision	Date	Changes
Revision 3	01 February 2021	Updated broken "latest version" link. Updated Definitions with Traveled Work (TW) and Traveled Work Parts in line with rewrite of 16PP272 and F35 Procedure. Removed "ITL" and replaced with "TW" and "TW Log" procedure in Final Acceptance where applicable. Removed Incomplete Task Log Form and replaced with Traveled Work Log Form along with added page for Information pertaining to TW Log.
Revision 2	19 July 2010	Unknown
Revision 1	15 June 2010	Complete re-write. Changed revision scheme to numbers to align with Buyer's established procedures. Updated form and distribution requirements. Removed reference to shipping destination. Modified requirements.
Original Issue	20 August 1996	Clarified requirements and provided guidelines and forms relating to components acceptance and documentation for shipments between Co-producers (including LMTAS).

Questions regarding IQCS-410 or the applicability of this document shall be addressed to Buyer's Supply Chain Management representative who administers this Purchase Order ("PO").

The terms Purchase Order (or PO), Item (or Items), Seller and Buyer, shall have the same meaning as the terms Contract, Work, SELLER and LOCKHEED MARTIN, respectively, as may be used elsewhere in this PO

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1.0 SCOPE: IQCS-410 establishes the acceptance and documentation requirements applicable to Seller’s personnel for each shipment of Items.

2.0 PURPOSE: The manufacturing acceptance inspections and/or testing, item 99 within the Statement of Work (“SOW”), require Seller to provide specific data with each deliverable Item including, without limitation, Items recycled for repair/modification, and modification kits. IQCS-410 clarifies these requirements and provides guidelines and forms relating to Item acceptance and documentation required for shipment.

3.0 APPLICABILITY: All requirements specified herein are applicable to the PO.

4.0 DEFINITIONS:

- a. Traveled Work (TW) – Any incomplete scheduled task that a Component Team is unable to complete and must be completed at another physical work location. Such effort is typically driven downstream by material procurement delays, rework, or configuration changes. The incomplete task(s) (example: open planning, open paper, open operations) will be completed by the Receiving Team.
- b. Traveled Work Parts – An assemblage of items (example: purchased parts, fabricated parts, standard parts, tools, plans) required to conduct Traveled Work.

5.0 GENERAL:

- a. Seller shall accomplish direct shipment of Items to the U.S. Government in accordance with PM-801. The Government does not accept any Items which are not shipped directly to the Government inasmuch as such Items are considered “work-in-process”.
- b. Seller shall accommodate the designated Government agency when, at its option, the Government agency conducts the following inspection/ surveillance tasks at Seller’s facility

5.b.1 source inspection and surveillance of manufacturing operations

5.b.2 concurrence with Purchase Order compliance certifications for Items prior to shipment. (Concurrence with the Certificate of Conformance by one or more Government representatives does not constitute acceptance by the Government).

- c. Seller shall be responsible for conformance, necessary inspection and acceptance of Items. Seller shall complete inspection acceptance prior to endorsement by the Buyer's representative on the Certificate of Conformance.

6.0 IN-PROCESS INSPECTION: Seller's quality control representatives shall accomplish required inspections as documented in planning and as required to determine conformance with engineering requirements.

7.0 FINAL ACCEPTANCE:

- a. Seller's quality control representatives shall perform final acceptance inspection of Items as directed by Seller's planning. Seller's quality control representatives shall research quality rejection documents and take all appropriate actions to close open rejections or transfer tasks. Seller shall perform the following during final acceptance inspection of Items.

7.a.1 For Items identified as in-place shipments, Seller shall accomplish the task transfer per Seller's established procedures.

7.a.2 For Items shipped between Buyer and Seller, or between Seller and Next-Assembly Seller, Seller shall accomplish the task transfer in accordance with 16PP272 (Multinational Plan for Task Transfer). Seller shall not perform any task transfer without prior written approval from Buyer.

7.a.3 Seller shall verify Item delivery configuration is as specified by this PO.

7.a.4 Seller shall record on appropriate documentation the actual delivery configuration, that is, identification of the actual configuration (by part number or assembly number and dash number of Item). The delivery configuration includes those changes incorporated by Engineering Change Notice ("ECN") before and/or after the directed baseline is established. Parts and assemblies requiring traceability shall be controlled by part number and serial number.

7.a.5 Seller shall identify all deviations/waivers, that is, all instances where the actual delivery configuration of the Item is different from the required delivery configuration. Buyer shall have the sole authority to approve any deviation/waivers in accordance with this PO.

7.a.6 Seller shall verify the successful performance of all manufacturing acceptance inspections and/or tests.

- b. Seller's quality control representatives shall prepare the acceptance documentation and records package. Seller shall provide a legible package (in English) consisting of those forms from the list below necessary for transfer of all applicable records to accompany each delivered Item. Seller shall provide an electronic copy of the records package to Buyer's Supply Chain Management representative upon shipment. Seller shall annotate all forms not required for data transfer as N/A in the Cover-Contents sheet. Seller shall use the supplied forms in Appendix A or Seller produced forms containing the same information and format. Seller shall include the following forms in Seller's acceptance documentation and records package.

7.b.1 Acceptance and Delivery Record – Cover – Contents

7.b.2 Certificate of Conformance verifying that Items are complete, ready for delivery and conform to all specific PO requirements (includes ancillary certificates for safety-of-flight, qualification tests, etc. as applicable)

7.b.3 List of Nonconformances or Waivers

7.b.3.1 Since open nonconformances or waivers are listed elsewhere, their listing in the records package form is optional.

7.b.3.2 Supplier Quality Assurance Requests ("SQARs") are recorded with "use as is" or "repair" dispositions which are visible on and/or could affect next assembly.

7.b.4 Traveled Work (TW) – Seller shall list incomplete operations and/or shortage Items which are normally a part of the shipment requirements, but which are not with the shipment. Seller shall also list those operations or engineering changes released and transmitted to the Seller but not accomplished in their entirety. Seller shall utilize the following instructions to complete the Traveled Work Log Form.

- Enter the incomplete operations in the appropriate block of the TWL
- Include copies of planning for incomplete tasks with the TWL
 - Sign or stamp incomplete tasks, as appropriate
- List Items identified as "short hardware items" on the TWL by drawing part number in the "Print No." block.
 - Annotate the "Comments" block with ("short"). Enter the appropriate quantity number in the "Quantity" block.

- Include a list of drawings and related ECNs covering the shortages and incomplete tasks in the TWL package.

7.b.5 List of Fatigue and Fracture Critical Parts

7.b.6 List of Loose or Ancillary Parts with the Shipment

7.b.7 List of GFAE Installed.

7.b.8 List of Serialized Items Installed

NOTE: Items for 7.b.5, 7.b.6, 7.b.7 and 7.b.8 above are listed by part number, serial number and nomenclature. Specification control items (16V_“alpha” items) will be included down to the Shop Replaceable Unit (“SRU”) level for each SRU which is individually installed or replaced by Seller.

7.b.9 Test Results – Listed by manufacturer’s part number, such as:

- Required recordings of dimensional characteristics
- Physical or chemical test data (or attach copies of reports)
- Functional test/acceptance data (or attach copies of reports)

7.b.10 Special Conditions, Information, Comments and Notes – Includes, but is not limited to:

- Manufacturing and component matching data needed for next assembly operation.
- Interchangeability/replaceability demonstration report reference number (or attach copies of reports).
- Application data for components subject to a calendar time compliance or service life controls (manufacturing date, shelf life, installation date, serial number, lot number, etc.).

7.b.11 Copy of the Air Force Technical Order Forms (“AFTO”) Form 781E (Accessory Replacement record)

7.b.12 F-16 Configuration Report

8.0 PRESENTATION TO BUYER Seller’s quality control representative shall perform the following prior to delivery:

- a. Check data package for accuracy and completeness.
- b. Sign the Certificate of Conformance indicating acceptance of the Item(s) for shipment.
- c. Present data package to the Buyer’s quality representative for signature.

- d. Include a hard copy (original shall be maintained by Seller) of data package with shipment.
- e. Provide electronic copy of data package to Buyer's Supply Chain Management representative upon shipment.

Acceptance and Delivery Record

Plant/NATO Code	Cover-Contents	Page of
A/C Type and Sequence No.	PO (PE) Contract No.	
Delivered/Transferred to Destination	Certificate of Compliance Date Approved	Date of Delivery
Component/Nomenclature	Drawing Description No.	Serial No.
1.		
2.		
3.		
4.		
Contents		Number of Pages
A. Special Conditions, Information, Comments and Notes		
B. Fatigue- and Fracture-Critical Parts		
C. Loose or Ancillary Parts with the Shipment		
D. Open Operations/Work to Be Accomplished/Items Short (ITL)		
E. Accessory Replacement Record (AFTO Form 781E)		
F. Test Results (As Applicable)		
G. List of Nonconformances or LM Aero Waivers		
H. List of GFAE Installed		
I. Serialized Items Installed		
J. Component Configuration Report		
Quality Records Services	Date	
<p>Note: If information required for communication of data listed under contents above is minimal and additional data forms are not required, reference may be made to the contents category and specific data entered in the remarks block below except for data elements B, D and E.</p>		
Remarks		
Co-Producer Quality Assurance	Government Representative	The Above Identified Component(s) Have Been Received in Proper Condition
LM Surveillance Assurance		Receiving Organization

Certificate of Conformance

Item Manufactured by	Plant/NATO Code
	Purchase Order No.
WBS No.	Contract No. (Government)
	Priced Exhibit Item No.
Item Nomenclature	
Item Part No. and Letter Change	Item Serial No.(s)
Quality Records Services	Date
Outside Production Operation Sheet (OPOS) No. and Change	
Destination	
Organization or Facility	
Address	
Attention of (Name)	
Packing Sheet No.(s)	Number of Packages or Packings
<p>This is to certify that items or services as detailed conform in all respects to the contract (purchase order), specification(s), drawing(s) relative thereto, and the items have been inspected and tested in accordance with the condition of the order and applicable authorized amendments/supplements. Applicable Acceptance and Delivery Record forms attached. When applicable, the material used on this order included the material furnished by the buyer, and no unauthorized substitutions have been made. Authorized exceptions as specifically noted on the attached supplemental sheets.</p>	
Contract Change Notice or Deviation No.	Dated
See Attached Data Sheets; Number of Sheets	
F-16 Co-Producer Signature	LM Representative Signature
Name Printed, Date	Name Printed, Date
In-Process Government Inspections Completed*	
Government Representative Signature	
Name Printed, Date*Signature by Government Is Optional	

Acceptance and Delivery Record

Plant/NATO Code	List of Nonconformances or LM Aero Waivers	Page of
A/C Type and Sequence No.	Drawing and Description	PO (PE) Contract No.
Component Nomenclature	WBS No	Serial No.
Reject Document No.	Part No./Nomenclature or Affected Item	Remarks
Quality Control		Date

TRAVELED WORK LOG FORM 1 LM Assembly Co-Producer/Supplier Assembly	Manufacturer 2	Component Identification 4	TW Serial No. 7	TW Date 8
		Next Assembly SWBS 5		
	User 3	Type Version/Unit No. 6		Page of

Incomplete Operations	Task Category	
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Item No	Operation No.	ECN/MDA	Print No.	Area Of Aircraft	Succeeding Operation Affected		Part/Tool No.	Qty	Est ON Dock Date	Task Category		Comments
					Yes	No				Schd	Not Schd	
9	10	11	12	13	14		15	16	17	18		19

Signatures 20	TW Representative	Factory	Tooling	Inspection	Buyer Representative
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**INFORMATION PERTAINING TO TW
(TRAVELED WORK LOG FORM)**

- 1. Component manufacturer (LM / Coproducer / Supplier)**
- 2. Manufacturer of affected component**
- 3. Where component will be used (Example: IAI)**
- 4. Component identification**
- 5. Next assembly SWBS (Example: 1112)**
- 6. Ship identification**
- 7. TW serial number - SWBS (delivery item) - Type version and unit plus 00 will be forwarded with component shipment - 01, 02, etc., created and forwarded weekly or as required**
- 8. Date of TW**
- 9. Item number entry on TW**
- 10. Operation number**
- 11. Engineering authority, SQAR, QAR, or originating document identification, as specified by Planning Operation Card**
- 12. Basic Engineering drawing affecting entry**
- 13. Area of aircraft, as specified by Planning Operation Card**
- 14. Succeeding operation affected - Yes or No (Task to be accomplished with other operations)**
- 15. All part numbers and/or tools necessary to accomplish TW entry will be entered in this area**
- 16. Quantity of parts and tools required entered in Item 15, as called out on planning**
- 17. On-dock date at Coproducer of items listed in Area 15**
- 18. Task category**
 - a. Scheduled: This block will be checked if item is scheduled for manufacturer to accomplish.**
 - b. Not scheduled; This block will be checked if not scheduled for manufacturer to accomplish.**
- 19. Comments - This area will be used only when special information is necessary**
- 20. Signature**

Acceptance and Delivery Record

Plant/NATO Code	Fatigue and Fracture Critical Parts		Page of
A/C Type and Sequence No.	Drawing and Description		PO (PE) Contract No.
Component Nomenclature	WBS No		Serial No.
Part Nomenclature	Part and Dash No.	Serial No.	Material Review Document
Quality Control		Date	

Acceptance and Delivery Record

Plant/NATO Code	Loose or Ancillary Parts With the Shipment	Page of	
A/C Type and Sequence No.	Drawing and Description	PO (PE) Contract No.	
Component Nomenclature	WBS No	Serial No.	
Quantity	LM Specification Part No. Manufacturer's Part and Dash No	Part Name	Remarks
Quality Control		Date	

Acceptance and Delivery Record

Plant/NATO Code	List of GFAE Installed	Page of	
A/C Type and Sequence No.	Drawing and Description	PO (PE) Contract No.	
Component Nomenclature	WBS No	Serial No.	
Quantity	Manufacturer's Part and Dash No.	Part Name	Serial No.
Quality Control		Date	

Acceptance and Delivery Record

Plant/NATO Code		Serialized Items Installed		Page	of
A/C Type and Sequence No.		Drawing and Description		PO (PE) Contract No.	
Component Nomenclature		WBS No		Serial No.	
Quantity	LM Aero Specification Control Drawing and Dash No.	Manufacturer's Part	Part Name	Serial No.	
Quality Control				Date	

Acceptance and Delivery Record

Plant/NATO Code	Test Results	Page of
A/C Type and Sequence No.	Drawing and Description	PO (PE) Contract No.
Component Nomenclature	WBS No	Serial No.
Item No.	Test Results	Remarks
Quality Control		Date

Acceptance and Delivery Record

Plant/NATO Code	Special Conditions, Information, Comments and Notes	Page o f
A/C Type and Sequence No.	Drawing and Description	PO (PE) Contract No.
Component Nomenclature	WBS No	Serial No.
Item No.	Condition/Notes	Action/Follow-Up
Quality Control		Date

F-16 CONFIGURATION REPORT

Component Name		Type Sequence No.		Plant / NATO Code		Purchase Order No.		Drawing / Dash No. Description		Serial No.							
Date of Issue (DD/MM/YYYY)		Baseline EDL No.		Date (DD/MM/YYYY)		CCN		OPOS Number		Date (DD/MM/YYYY)							
Minus ECN's Unincorporated – ECN's Listed in baseline EDL						Plus ECN's Incorporated – ECN's not listed in baseline EDL						Unplanned ECN's Unplanned / Unincorporated – ECN's listed in baseline EDL					
Drawing No.	Dash No.	Rev. Drw.	LTR PL	ECN No.	Seq. Reference	Drawing No.	Dash No.	Rev. Drw.	LTR PL	ECN No.	Remarks	Drawing No.	Dash No.	Rev. Drw.	LTR PL	ECN No.	Remarks

**THIS IS TO CERTIFY THAT THIS COMPONENT HAS BEEN MANUFACTURED TO ABOVE NOTED EDL:
EXCEPT AS NOTED ABOVE (IF NO EXCEPTION - SO STATE)**

**FOREIGN DRAWINGS
 INCORPORATED-FOREIGN DRAWINGS LISTED IN
 BASELINE OPOS
 ACTUAL REVISIONS INCORPORATED**

Drawing No.	Dash No.	Rev. Drawing	Letter PL	ECN No.	Operation Reference