

IQCS-410

COMPONENTS ACCEPTANCE AND DOCUMENTATION FOR
SHIPMENTS BETWEEN CO-PRODUCERS
(INCLUDING SHIPMENTS TO LMTAS)

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LOCKHEED MARTIN
Tactical Aircraft Systems
1996

QCS NUMBER: 410C
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1.0 SCOPE

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I. PURPOSE

99 of The manufacturing acceptance inspections and/or testing, item
recycled the Statement of Work (SOW), require the Co-producer to provide
document specific data with each deliverable end item and to items
and for repair/modification and to modification kits. This
reviews/clarifies these requirements and provides guidelines
forms relating to components acceptance and documentation for
shipments between Co-producers (including LMTAS).

II. APPLICABILITY

producers All requirements specified herein are applicable to co-
when this document is incorporated in the Purchase Order.

III. DEFINITIONS

- when
- Log
- item, a
- disassembled),
- to
- A. **Incomplete (or Open Task)** - That portion of an applicable task which has not been accomplished or is incomplete the end item, major component or subcomponent is shipped. Incomplete tasks will be logged on the Incomplete Task (ITL, FW 838).
 - B. **Loose Parts** - Items planned for shipment with an end major component or a subcomponent to be installed at destination.
 - C. **End Item** - The total aircraft (assembled or disassembled), support equipment, such as AIS or similar items, provided to a Participating Country (PC) co-producer or Government.

aft
D. **Major Components** - Items such as the forward fuselage,
and center fuselage, vertical fins, etc.

E. **Subcomponents** - Items such as the forward section, center
section or aft section of the center fuselage, forward
section or aft section of the aft fuselage etc.

IV. GENERAL

will
Receiving
not
A. Acceptance of F-16 contract items, by the Government,
utilize the DD Form 250 (Material Inspection and
Report-MIRR). Components, unless shipped directly to the
Government, are considered as "work-in-process" and will
be accepted by DD Form 250.

will
end
B. Acceptance by the Government, utilizing the DD Form 250,
take place at time of delivery of the specified contract
item.

not
C. A "Certificate of Compliance" will be used in all cases
categorized in paragraph IV.B above.

the
D. The designated government agency will, at their option,
conduct the following inspection/surveillance tasks at
co-producer's facility.

for
other
1. Source inspection and surveillance of manufacturing
operations.
2. Concurrence with contract compliance certifications
major components, prior to shipment to LMTAS or
co-producers. Concurrence with the "Certificate of
Compliance" by Government representatives is not
interpreted as acceptance by the Government.

producer
E. Co-producers are responsible for conformance and necessary
inspection and acceptance of F-16 items. Co-
inspection acceptance will be complete prior to
endorsement by the Lockheed Martin Surveillance
Assurance representative on the "Certificate of
Compliance".

IN-PROCESS INSPECTION

V. CO-PRODUCERS QUALITY CONTROL SHALL

Accomplish required inspections as documented in planning operation sheets and as required to determine conformance with engineering requirements.

FINAL ACCEPTANCE

VI. CO-PRODUCERS QUALITY CONTROL SHALL

A. Perform final acceptance inspection of end item/major component areas (or group of areas) as directed by planning operation sheets.

Research quality rejection documents and take appropriate action to close open rejections or transfer task.

1. For In-Place Shipment Components, the task transfer will be accomplished per established coproducer procedures.

2. For normal component shipments between LMTAS and coproducers or between coproducers, task transfer will be accomplished by ITL per LMTAS procedure 16PP272.

a. If the open rejection is written on the co-producer's rejection form, it must be transferred to a LOCKHEED

MARTIN Tactical Aircraft Systems QAR form prior to transferring the task to ITL.

b. The following statement must be added to block 45 of the QAR:

NAME) QAR TASK TRANSFERRED TO (FILL IN LMTAS OR CO-PRODUCERS
VIA ITL NUMBER (FILL IN) FOR COMPLETION.

91, and The QAR then must be closed by completing blocks 90,
93 on the NA line.

for A legible copy of the QAR (in English) must be provided
shipment as part of the ITL. If legible, Copy 4 may be
be used, or a photocopy of Copy 1. Each QAR number must
referenced on the ITL.

prepared c. A supplemental planning operation sheet must be
(in English) for each QAR with open tasks to be accomplished by
operation LMTAS or another co-producer. This supplemental planning
sheet must be included as part 2 of the ITL.

B. Verify the item delivery configuration is as specified by the
purchase order.

number 1. Record on appropriate documentation the actual delivery
ECN configuration, that is, as identification of the actual
configuration (by part number or assembly number and dash
of the item). This includes those changes incorporated by
(Engineering Change Notice) before and/or after the directed
baseline is established. Parts and assemblies requiring
traceability will be controlled by part numbers and serial
number.

where the 2. Identify all deviations/waivers, that is, all instances
actual configuration of the end item is different from the
required configuration. Deviation/waivers must be approved
by LMTAS in accordance with the purchase order.

acceptance 3. Verify the successful performance of all manufacturing
inspections/or tests.

C. Prepare the acceptance documentation and records package. A
forms legible package in the English language consisting of those
from the list below necessary for transfer of all applicable
transfer records shall accompany each deliverable major component,
subcomponent or end item. All forms not required for data
will be annotated as N/A in the NO. OF PAGES column on the
Cover- Contents sheet. For In-Place Shipment Components, only Figures

1,2,3,5 and 8 will normally be required. The coproducer shall use LMTAS supplied forms or coproducer generated forms approved by LMTAS.

1. **Acceptance and Delivery Record** - Cover - Contents (Ref. Figure 1).

Instructions for completing this form are given in Attachment A.

2. **Certifications of Compliance** verifying that items are complete, ready for delivery and conform to specific purchase order requirements (includes ancillary certificates for safety-of-flight, qualification tests, etc. as applicable (Ref. Figure 2)).

NOTE: The "Certificate of Compliance" is applicable and required for all components transferred between co-producers or to LMTAS. The "Certificate of Compliance" will be used by all co-producers.

3. List of **nonconformances or LMTAS waivers** (Ref. Figure 3).

a. Since open rejections and LMTAS waivers are listed elsewhere their listing in Figure 3 is optional.

b. Record all reject documents with "use as is" or "repair" dispositions which are visible on and/or could affect next assembly.

NOTE: Copies (in English) of these reject documents (with all attachments/supplements) must be forwarded with components.

4. **Incomplete operations and/or shortage** items normally a part of

the component or shipment requirements, but not with the shipment, will be listed on the Incomplete Task Log (ITL)

(Ref.

Figure 4). The ITL will also list those operations or engineering changes released and transmitted to the co-

producer

but not accomplished (or partially accomplishing).

a. Incomplete operations will be entered in appropriate block of the ITL. Copies of shop planning for incomplete

tasks will accompany the ITL. Tasks partially complete will be

cleared by signing or stamping as appropriate for those

producer
partially
drawing
block
include
shortages
noted
shipped to
4).

portions accomplished and accounted for by co-
Quality Assurance personnel. Copies of this
complete shop paper will also be a part of the ITL.

b. Short hardware items will be listed on the ITL by
part number in the "Print No." block. The "Comments"
block will be annotated (short). The "Quantity"
will have the appropriate quantity number entered.

c. The ITL package for the item being shipped will
copies of drawings and related ECNs covering the
and incomplete tasks. Copies of engineering data as
need not be included for those components being
LMTAS (prime contractor with design and overall
configuration management responsibility) (Ref. Figure

5. **Fatigue and Fracture Critical Parts** (Ref. Figure 5).
6. **Loose or Ancillary Parts** with the Shipment (Ref. Figure 6).
7. List of **GFAE Installed** (Ref. Figure 7).
8. List of **Other Serialized Items Installed** (Ref. Figure 8).

part
Specification
each
an

NOTE: Items for 5, 6, 7 and 8 above should be listed by
number, serial number and nomenclature.
control items (16V_"alpha" items) will be included
down to the Shop Replaceable Unit (SRU) level for
SRU which is individually installed or replaced by
F-16 co-producer.

9. **Required Test Results** (Ref. Figure 9) listed by
manufacturer's
part number.
 - a. Required recordings of dimensional characteristics
 - b. Physical or chemical test data (or attach copies of
reports).
 - c. **Functional test/acceptance data** (or attach copies of
reports).
10. **Special Conditions, Information, Comments and notes** (Ref.

Figure 10).

- "next
- a. Manufacturing and component matching data needed for assembly" operation.
 - b. Interchangeability/replaceability demonstration report reference number (of attached copy of report).
 - c. 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.).
11. **Record of serialized items** that were **removed** and **replaced**.
- each
12. **Procured Materials Report (P.M.R.)** must be completed for the part number being shipped. Instructions for completing the form are in 16PP24B (Ref. Figure 12).
- data
13. The **F-16 Configuration Report** will be included with the package for major components as required (Ref. Figure 13).

PRESENTATION TO LMTAS

VII. CO-PRODUCER QUALITY CONTROL SHALL

- A. Check data package for accuracy and completeness.
- acceptance B. Sign the "Certificate of Compliance" indicating of the items for shipments.
- C. Present data package to the resident LMTAS International Surveillance Assurance Representative.

ATTACHMENT A

**INSTRUCTIONS FOR COMPLETING ACCEPTANCE
AND DELIVERY RECORD BLOCKS**

REFERENCE NUMBER	BLOCK TITLE	DATA REQUIRED
(1)	Plant/NATO Code	Plant or facility manufacturing code assigned by NATO
(2)	Page of	Number of each page, in sequence, as used in relation to the total number of pages in the document package. The cover-contents sheet will page 1. The "Certificate of Compliance" is not numbered.
(3)	A/C Type & Sequence No.	Aircraft type and sequence number for which the item/component was manufactured/scheduled.
(4)	Drawing/Description	The engineering drawing number of other description number applicable to the item/component.
(5)	P.O. (P.E.)/Contract No.	Entire co-producer purchase order number (priced exhibit item number) and LMTAS prime contract
(6)	Component/Nomenclature	Name of the item/component; e.g., "mid-fuselage" section, "wing box"-left and right, etc.
(7)	WBS No.	Work Breakdown Structure number of item/component.
(8)	Serial No.	Serial number of the item as assigned by manufacturing co-

producer.

NOTE: List complete P.O. and contract number on all shipping documents. Do not annotate under various entrants or other similar wording.

ACCEPTANCE AND DELIVERY RECORD				FPW-102F
PLANT/NATO CODE	COVER - CONTENTS		PAGE	OF
A/C TYPE/SEQUENCE NO.	PURCHASE ORDER (PRICED EXHIBIT NO.) CONTRACT NO.			
DELIVERED/TRANSFERRED TO DESTINATION	CERTIFICATE OF COMPLIANCE DATE APPROVED	DATE OF DELIVERY		
COMPONENT/NOMENCLATURE	DWG DESCRIPTION NO.	SERIAL NO.		
1.				
2.				
3.				
4.				
CONTENTS			NO. 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 LMTAS WAIVERS				
H - LIST OF GFAE INSTALLED				
I - SERIALIZED ITEMS INSTALLED				
J - SERIALIZED ITEMS REMOVED AND REPLACED				
QUALITY RECORDS SERVICES:			DATE:	
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.				
REMARKS				
CO-PRODUCER QUALITY ASSURANCE		GOVERNMENT REPRESENTATIVE	THE ABOVE IDENTIFIED COMPONENT(S) HAVE BEEN RECEIVED IN PROPER CONDITION	
LMTAS SURVEILLANCE ASSURANCE				
		RECEIVING ORGANIZATION		

02/07/96

FIGURE 1

**LOCKHEED MARTIN
TACTICAL AIRCRAFT SYSTEMS
CERTIFICATE OF COMPLIANCE
F-16 COMPONENTS/AIRCRAFT**

FW102-3-83
DEPT 680-0

Item Manufactured By: _____ Plant/Name Code: _____

WBS No.: _____ Purchase Order No.: _____

Contract No.: (Gov't) _____

PRCED EXHIBIT ITEM NO.: _____

Item Nomenclature _____

Item Part Number 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: _____

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.

Contract Change Notice or Deviation No. _____ Dated: _____

See attached data sheets. Number of sheets: _____

F-16 Co-Producer Signature

LMTAS Representative Signature

Name Printed, Date

Name Printed, Date

IN PROCESS GOVERNMENT INSPECTIONS COMPLETED*

Government Representative Signature

Name Printed, Date

*Signature by Gov. is Optional

FIGURE 2

ACCEPTANCE AND DELIVERY RECORD		
PLANT/NATO CODE	LIST OF NONCONFORMANCES OR LMTAS WAIVERS	PAGE OF
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION	P.O. (P.E.)/CONTRACT NO.
COMPONENT NOMENCLATURE	WBS NO.	SERIAL NO.
REJECT. DOCUMENT NUMBER	DRAWING NO./NOMENCLATURE OF AFFECTED ITEM	REMARKS
QUALITY CONTROL		DATE:

FIGURE 3

ACCEPTANCE AND DELIVERY RECORD			
PLANT/NATO CODE	FATIGUE AND FRACTURE CRITICAL PARTS		PAGE OF
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION		COMPONENT SERIAL NO.
PART NOMENCLATURE	PART & DASH NO.	SERIAL NO.	MATERIAL REVIEW DOCUMENT
QUALITY CONTROL		DATE:	

FIGURE 5

ACCEPTANCE AND DELIVERY RECORD			
PLANT/NATO CODE	LOOSE OR ANCILLARY PARTS WITH THE SHIPMENT		PAGE OF
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION	P.O. (P.E.)/CONTRACT NO.	
COMPONENT NOMENCLATURE	WBS NO.	SERIAL NO.	
QUANTITY	LMTAS SPECIFICATION PART NO. & MANUFACTURER'S PART & DASH NO	PART NAME	REMARKS
QUALITY CONTROL			

017 140-0 PW 100-10-00

FIGURE 6

ACCEPTANCE AND DELIVERY RECORD				PAGE OF	
PLANT/NATO CODE		SERIALIZED ITEMS INSTALLED		WBS NO.	SERIAL NO.
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION	P.O. (P.E.)/CONTRACT NO.		COMPONENT NOMENCLATURE	
QUANTITY	LMTAS SPECIFICATION CONTROL DRAWING & DASH NO.	MANUFACTURER'S PART & DASH NO.	PART NAME		SERIAL NO.
QUALITY CONTROL			DATE:		

DEPT 884-3 FW 1026-10-98

FIGURE 8

ACCEPTANCE AND DELIVERY RECORD		
PLANT/NATO CODE	TEST RESULTS	PAGE OF
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION	P.O. (P.E.)/CONTRACT NO.
COMPONENT NOMENCLATURE	WBS NO.	SERIAL NO.
ITEM NUMBER	TEST RESULTS	REMARKS
QUALITY CONTROL		DATE:

CEPT 460-4 Rev 1200 1-88

FIGURE 9

ACCEPTANCE AND DELIVERY RECORD		
PLANT/NATO CODE	SPECIAL CONDITIONS, INFORMATION COMMENTS AND NOTES	PAGE OF
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION	P.O. (P.E.)/CONTRACT NO.
COMPONENT NOMENCLATURE	WBS NO.	SERIAL NO.
ITEM NUMBER	CONDITION/NOTES	ACTION/FOLLOW-UP
QUALITY CONTROL		

DEPT 660-3 Rev 102/2/10/06

FIGURE 10

ACCEPTANCE AND DELIVERY RECORD				PAGE	OF
PLANT/NATO CODE	SERIALIZED ITEMS REMOVED AND REPLACED	WBS NO.	SERIAL NO.		
A/C TYPE & SEQUENCE NO.	DRAWING/DESCRIPTION	P.O. (P.E.)/CONTRACT NO.	COMPONENT / NOMENCLATURE		
LMTAS SPECIFICATION CONTROL DRAWING AND DASH NO.	MANUFACTURER'S PART & DASH NO.	SERIAL NO.	MANUFACTURER'S PART & DASH NO.	SERIAL NO.	
QUALITY CONTROL					

DEPT 438-3 PW 10247-10-88

FIGURE 11

LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS PROCURED MATERIALS REPORT (P. M. R.)				DATE: _____
[1] _____ VENDOR NAME	[2] _____ LMTAS VENDOR NUMBER			
[3] _____ P.O. NUMBER	[4] _____ P. O. LINE ITEM NUMBER	[5] _____ SHIP QTY	[5A] _____ NO. CARTONS	
[6] _____ LMTAS PART NUMBER	[7] _____ PART NAME			
[8] TRACEABILITY DATA				

[9] SUPPLEMENT USED? [] Y [] N				
[10] SERIAL NUMBERS [] HEAT NUMBERS [] LOT NUMBERS [] X-RAY []				
[11] SPECIAL NOTES OR INSTRUCTIONS				
<i>THIS SHIPMENT HAS INCOMPLETE INSPECTION & SHOULD BE ROUTED TO RECEIVING INSPECTION:</i>				
[] Y [] N				

SUPPLIER CERTIFICATION OF CONFORMANCE TO REQUIREMENTS				
[12] [] THIS IS TO CERTIFY THAT THE PRODUCT CONTAINED IN THIS SHIPMENT MEETS THE REQUIREMENTS FOR SPC PRODUCT CERTIFICATION AND WAS APPROVED IN ACCORDANCE WITH THE LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS CONTROL PLAN.				
THE PRODUCT CONTAINED WITHIN THIS SHIPMENT IS IN TOTAL COMPLIANCE WITH THE REQUIREMENTS OF THE PURCHASE ORDER ANNOTATED IN [3] ABOVE:				
[13] _____	AUTHORIZED SUPPLIER SIGNATURE		_____	
			TITLE	
I HAVE PERFORMED A QUALITY ASSESSMENT ON THE PRODUCT(S) CONTAINED IN THIS SHIPMENT AND CERTIFY THAT THEY MEET THE REQUIREMENTS OF THE PURCHASE ORDER ANNOTATED IN [3] ABOVE:				
[14] _____	LMTAS SSA REPRESENTATIVE	STAMP	[15] _____	LMTAS DELEGATE
				STAMP
[16] _____	GOVERNMENT REPRESENTATIVE	STAMP	[17] _____	TEAM REPRESENTATIVE
				STAMP

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FIGURE 12

