

4 MARCH 2004



Maintenance

**LOCAL MANUFACTURE PROCESSING
PROCEDURES**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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Supersedes 18 WGI 21-113, 23 May 2002 Pages: 5
Distribution: F

This instruction implements AFD 21-1, *Managing Aerospace Equipment Maintenance*. It establishes uniform processing control and routing procedures for all requests for local manufacture (LM) of field, non-field manufacture (FM/NON-FM) and non-aeronautical items. It applies to 18th Wing and associate units at Kadena AB. This publication does not apply to the Air National Guard or US Air Force Reserve.

SUMMARY OF REVISIONS

This document is substantially revised and must be reviewed in its entirety. New or revised material is indicated by a bar (|).

1. References: AFMAN 23-110, *USAF Supply Manual*, Vol 2, Part 2, Chapter 11, Paragraph 11.31; PACAFI 23-203, *Combat Oriented Supply Organization Procedures*, Chapter 4; T.O. 00-25-195, *AF Technical Order System Source, Maintenance, and Recoverability Coding or Air Force Weapons, Systems and Equipments* and PACAFI 21-101, *Objective Wing Aircraft Maintenance*, Chapter 10, Paragraph 10.18.

2. General.

2.1. Authorization for Local Manufacture.

2.1.1. LM requests are automatically approved if Source Maintenance, and Recoverability (SMR) codes identifies them as *Local Manufacture (LM)* and the fabricating activity has the capability to make it. The weapons system illustrated parts breakdown technical order provides the SMR code for all parts. Technical Order 00-25-195, *AF Technical Order System Source, Maintenance, and Recoverability Coding or Air Force Weapons, Systems and Equipments* is the authority on SMR codes. Additionally, lines, which are not stock listed, must follow the LM process, this does not apply to items coded assembled at field level. Procedures are outlined in paragraph **3.** below.

2.1.2. Procurable Hydraulic Tube Assemblies.

2.1.2.1. Manufacture of procurable lines (not having a Supply Routing Identification Code of JBD, JBD is a supply code meaning local man) is restricted to those items, which are mission essential. **Tube assemblies with SMR codes PA, PB, PE, PG, MD, XA and XB are procurable items, depot manufactured, salvage, etc and will be ordered not locally manufactured.** 18 EMS/MXM will determine when items are deemed mission essential. For procedures, see paragraph 3.

2.1.2.2. Prior to submitting a request for LM, the requesting activity must determine if item is essential for mission accomplishment, i.e., satisfy Mission Capable condition priority 02 (MICAP) or if the item adversely affects mission capabilities, i.e., priority 03 through 05 (Non-MICAP). Flying Squadron Production Superintendent (Pro Super) must notify 18 EMS Pro Super of all MICAP LM requests.

2.2. Materials Management:

2.2.1. 18 EMS Fabrication Flight Elements maintain some bits and pieces on bench stock for LM of lines and other items coded as LM.

2.2.2. In the event bits and pieces are not available in bench stock for a MICAP part, FSC Flight Service Center (FSC)/LM will order required bits and pieces. If FSC/LM is closed, requesting Flying/Fighter Squadrons Combat Oriented Supply Organization (COSO) will order the bits and pieces MICAP against the aircraft requiring local manufactured part(s).

2.2.3. For non-MICAP items, materials will be ordered through the FSC LM monitor in accordance with the procedure outline in paragraph 5.

3. Non-Stock Listed Lines (NSL) and Stock Listed Items with Local Manufacture (SL-LM) SMR Code:

3.1. These items are considered LM and will be processed LM items. (See paragraph 4. for procedures.) Requester will hand carry sample and/or a manufactures blue print, completely filled out 350 tag, CAMS screen 122 and local manufacture work sheet to fabricating activity. For stock listed items coded LM, the requester will order the asset fill or kill. If zero balance locally, then proceed to procure through LM procedures.

3.2. Fabricating Activity will:

3.2.1. Verify line is non-stock listed, coded LM and have been ordered (item must be loaded, ordered and be zero balance locally) or is SMR-coded LM. If AFTO 350 tag indicates MICAP, verify MICAP condition with 18 EMS Pro Super.

3.2.2. Verify availability of all needed bits and pieces. If bits and pieces are not on hand, fabricating element will annotate on LM work sheet to ensure Flying Squadron Supply Section (FSSS) or COSO (only during non FSC duty hours) /FSC orders required bits and pieces.

3.2.3. Process request in accordance with priority assigned. Establish estimated completion date with requester and 18 EMS Pro Super. **NOTE:** The requester's assigned priority does not necessarily set the priority for the fabricating activity.

3.2.4. Notify requester when item is ready for pick-up. Notify FSC LM monitor for processing.

4. Procedures.

4.1. For Tube Assemblies Code as Procurable:

4.1.1. Requesters will:

4.1.2. Order the item through base supply.

4.1.3. Once a demand (valid document number is considered proof of demand) has been established with base supply, COSO will verify status via the MICAP Asset Sourcing System (MASS). In the event status is not available, COSO technicians will contact the applicable depot and/or item manager to inquire status. If the Estimated Delivery Date (EDD) is unacceptable or the item manager communicates the asset should be local manufactured, COSO follow the same procedures paragraph 4.2.2. and paragraph 4.2.3. For SL-LM tube assemblies, the asset will be loaded and ordered, Fill or Kill. If zero balance, follow procedures listed in 4.2.

4.2. For Tube Assemblies coded as NSL or SL-LM.

4.2.1. Requester will:

4.2.2. Hand carry completed AF IMT 2005, **Manufactures Blueprint/Technical Drawing**, completed AFTO IMT 350, **CAMS** documentation (to include applicable WCE's screen #122), local manufactures work sheet and a sample part to the fabricating activity. When the fabricating activity signs the LM worksheet, the required paperwork will be taken to FSC for processing (during FSC duty hours.) During FSC non-duty hours, the fabricating activity will retain the LM paperwork until FSC duty hours, at which time it will be processed. The requester still retains responsibility for ensuring all data is accurate and correcting discrepancies.

4.2.3. Fabricating Activity will:

4.2.3.1. Fabricating element 7-level, will verify ability to manufacture tube assembly and availability of bits and pieces, annotate on LM worksheet if bits and pieces require ordered by FSC and sign LM worksheet.

4.2.3.2. Process request once processed by FSC (except during FSC non-duty hours) in accordance with priority assigned. Establish estimated completion date with requester and 18 EMS Pro Super. **NOTE:** The priority assigned by the requester does not necessarily set the priority for the fabricating activity.

4.2.3.3. Notify requester when item is ready for pick-up. Release item to the requester and ensure individual receiving property signs fabricating logbook. Hold the AF IMT 2005/1386 for the FSC LM monitor to reconcile and provide FSC LM monitor with approximate cost of LM, excluding man-hours.

4.2.3.4. FSC LM Monitor will: Ensure total reconciliation with applicable fabricating activities.

4.3. For procurable assets that do not have a favorable EDD or are deemed LM by item manager, or depot, COSO must take the following actions:

4.3.1. Follow procedures outlined in paragraph 4.2.2.

4.3.2. Identify and coordinate LM request to 18 EMS/MXM for approval, printed name and signature on LM worksheet.

4.3.3. COSO must maintain due out in the system until it is received from supply. Once received, the asset will be returned to stock locally for future use.

5. All Other Local Manufacture Items:

5.1. Requester will:

5.1.1. Complete procedures in paragraph 4.2.2. Obtain fabricating activity 7-level signature on the LM worksheet.

5.1.2. LM of all procurable assets requires approval by the 18 MXG/CC or designated representative and from the depot item manager.

5.1.3. Obtain a due-out document number and complete an AF IMT 2005. Ensure Job Control Number (JCN), if applicable, is annotated in card columns 45 through 50 of the AF IMT 2005. Additionally, for non-stock listed items, complete a DD Form 1348-6.

5.1.4. Hand carry sample, technical drawings/blueprints, LMW, AF IMT 2005, DD Form 1348-6 (if required), **LM Authorization and CAMS Screen 122 to the FSC LM Monitor.**

5.2. FSC LM Monitor will:

5.2.1. Load due-out document numbers for the LM request. Coordinate status and estimated completion date with fabricating activity. FSC will use FSC specific serial #'s 4650 – 4699 for LM requests.

5.2.2. Use local list to monitor supply status of all outstanding supply requisitions.

5.2.2.1. Process all issue requests for bits and pieces required to manufacture end item. Upon receipt of materials, forward the requirement and materials to the fabricating activity.

5.2.2.2. Reconcile all outstanding requisitions' status with appropriate fabricating activity on an "as needed basis." Update status, as required, and perform follow up actions when necessary.

5.3. Fabricating Activity will:

5.3.1. Process requests in accordance with priority assigned. **NOTE:** The requester's assigned priority is not necessarily the priority for the fabricating activity.

5.3.2. Provide total cost to FSC when LM is complete.

JAN-MARC JOUAS, Brigadier General, USAF
Commander, 18th Wing

Attachment 1

SAMPLE LOCAL MANUFACTURE WORKSHEET/FLOWCHART

LOCAL MANUFACTRE WORKSHEET			
FABRICATING ACTIVITY: 18 EMS/F-15 Phase Section		FSC MAN POC PHONE NUMBER: 632-0510/634-2850	
		TOTAL COST: \$250.00 (provided by fabricating activity)	
STOCK NUMBER: 1560-0-001-6775	REQ NUMBER: FB527040617600	DOC NUMBER: X193FL040544650	JCN:
NOMENCLATURE: Hyd Tube Assy	PART NUMBER: 68A12154-1001	PRI/UJC: 04/AZ QTY/U/I: EA/01 MARK FOR: 78-0502	

MATERIAL REQUIRED (blocks below filled in by fabricating activity only if bits and pieces are required)

NSN	PART NUMBER	DOC NUMBER	LOC STAT	QTY/U/I	MENCLATURE	
4730-00-121-3345	WWW-700-Alum .5 00x .0 26	X756LM04001545R	B01	B/O	40 Ft	Tubing
FSC LOCAL MAN OFFICIAL: _____		FABRICATING ACTIVITY: Sign/Print _____			Approved/Disapproved	
MXM or Designated Representative: Sign/Print _____		Approved/Disapproved				