



## AIRCRAFT MAINTENANCE MANUAL

### COMMUNICATION MANAGEMENT UNIT (CMU) - ADJUSTMENT/TEST

EFFECTIVITY: AIRCRAFT WITH CMU

#### 1. General

- A. This section gives the procedures to do the CMU functional test.
- B. The CMU functional test can be accomplished in two different ways:
  - With a Portable ACARS Test Station (PATS) ([AMM TASK 23-24-00-700-801-A/500](#)).
  - With the help of an ACARS Ground Station ([AMM TASK 23-24-00-700-802-A/500](#)).
- C. The CMU gives a two-way data link for air-to-ground communication which permits the airlines to connect their fleet with a ground-based service provider to exchange data such as predeparture clearance, flight plans, weather information, messaging, times of arrival and departure, and other operational flight data.
- D. The CMU uses the VHF 3 as the communication media between aircraft and ground stations. The system operates with the FMS and the pilot interface is accomplished through the FMS Control and Display Unit (CDU).
- E. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
<a href="#">23-24-00-700-801-A</a>	CMU - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION (PATS)	AIRCRAFT WITH CMU
<a href="#">23-24-00-700-802-A</a>	CMU - FUNCTIONAL TEST WITH AN ACARS GROUND STATION	AIRCRAFT WITH CMU



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TASK 23-24-00-700-801-A

EFFECTIVITY: AIRCRAFT WITH CMU

2. CMU - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION (PATS)

A. General

- (1) This task gives the procedures to do the CMU functional test with a Portable ACARS Test Station (PATS).
- (2) The Portable Acars Test Station (PATS) is used to simulate an ACARS ground station, which permits a message to be sent from the PATS to the aircraft and from the aircraft to the PATS.
- (3) These procedures are applicable to aircraft with the baseline AMI (Airline Modifiable Information) database installed on the CMU. If the aircraft has a customized version of the AMI, the screens or line select keys sequences on the CDU may not match.

NOTE: The figures show typical displays on the CDU. The display can show different information when customized AMI (Airline Modifiable Information) is loaded on the aircraft.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 23-24-03-860-801-A/200	AIRCRAFT PERSONALITY MODULE - PROGRAMMING

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 264	PATS - Portable Acars Test Station	To do the CMU test	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

**H. Persons Recommended**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Cockpit
1	Helps the other technician	Ground

**I. Preparation (Figure 501) (Figure 502) (Figure 503)**
**SUBTASK 841-002-A**

- (1) Energize the aircraft with the External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Close all FMS 1 circuit breakers (Location Tip: DC BUS 1/NAV/FMS) or FMS 2 circuit breakers (Location Tip: DC BUS 2/ NAV/FMS).
- (3) On the circuit breaker panel, make sure that these circuit breakers are closed:
  - CMU (Location Tip: DC BUS 1/COMM/CMU).
  - CMU PTR (Location Tip: 115 V AC/CMU PTR).
  - MAIN DOOR 1 (Location Tip: DC BUS 1/MISCELLANEOUS/MAIN DOOR 1) or MAIN DOOR 2 (Location Tip: HOT BUS 2/MAIN DOOR 2).
  - EMER/PRKG (Location Tip: DC BUS 1/LDG GEAR/BRAKES/EMERG/PRKG).
- (4) Make sure that the Emergency Parking Brake system operates and is with hydraulic power.
- (5) Make sure that there is no obstacle between the aircraft and the PATS.
- (6) Make sure that the aircraft is in the PATS range.

**J. Functional Test Procedures (Figure 501) (Figure 502) (Figure 503)**
**SUBTASK 720-002-A**

- (1) Make sure that the main door is open.
- (2) Make sure that the parking brake is on.
- (3) On the PATS, do as follows:
  - (a) Install the 50Ω coaxial load to the PATS.
  - (b) Set the SYSTEM PWR switch to ON to energize the PATS.

NOTE: If the PATS is supplied by its battery, the SYSTEM PWR switch must be set to OFF.

  - (c) On the control panel, set these switches as follows:
    - SPEAKER SWITCH: OFF.
    - RADIO PWR SWITCH: NORMAL.
    - ACARS/AUX SWITCH: ACARS.
  - (d) Turn the PC laptop on.

Result:

- 1 The system initializes and the PC-ACARS INSTALLATION MENU is shown.
- 2 The RADIO PWR LED comes on.

(e) Select INSTALL PC-ACARS STD DRIVERS and push ENTER.

Result:

- 1 A self-test starts.

(f) Select PC-ACARS MAIN DISPLAY and push ENTER.

Result:

- 1 The PC-ACARS MAIN MENU screen is shown on the laptop display.

(g) On the laptop keyboard, push the F1 key to select the DISPLAY TRAFFIC feature.

Result:

- 1 The ALL TRAFFIC page is shown on the laptop display.

(h) On the laptop keyboard, push the F10 key to select the POP DOWN MENU.

Result:

- 1 The POP DOWN MENU is selected.

(i) On the laptop keyboard, push the S key to access the STATION CONTROL MENU.

Result:

- 1 The STATION CONTROL MENU is shown on the laptop display.

(j) Make sure that the fields on the STATION CONTROL MENU are configured as follows:

- A/C REG: (aircraft registration number).
- AUTO ACK: ON.
- STATION: GND.
- PREKEY: 140.
- RGS CODE SET: 2.
- USING: 2.
- BELL STRING: JUNKIT.
- BELL: ON.
- MODEM TEST: PASS.

NOTE: It is not necessary to configure the other fields.

(k) Select VALIDATE NEW CONFIGURATION and push ENTER.

(l) On the laptop keyboard, push the F2 key to select the FORMATTED TRAFFIC feature.

Result:

- 1 The FORMATTED TRAFFIC screen is shown.

(m) Turn the radio on.

- (n) Adjust the radio as follows:
- Set a frequency of 131.725 MHz.
  - Set the volume button to the 3-o'clock position.
  - Turn the squelch button until the radio display shows the "RX" annunciator and then turn the squelch button a little back until the "RX" annunciator goes off.

- (4) In the cockpit, at the CDU, do as follows:

**NOTE:** The CMU initializes in about 10 minutes and it will not respond until initialization is finished.

- (a) Push the NAV function key.

Result:

- 1 The NAV INDEX 1/2 page is shown on the CDU display.

- (b) Push the DATALINK line select key.

Result:

- 1 The DATALINK INDEX 1/1 is shown on the CDU display.

- (c) Push the ACARS line select key.

Result:

- 1 The ACARS MAIN MENU 1/2 page comes into view on the CDU display.

- (d) Push the SYS MENU line select key.

Result:

- 1 The CMU SYSTEM MENU page is shown on the CDU display.

- (e) Push the MAINTENANCE line select key.

Result:

- 1 The CMU MAINT MENU 1/2 page is shown on the CDU display.

- (f) Push the APM DATA select key.

Result:

- 1 The TAIL NO is shown in the left side of the page.

**NOTE:** Make sure that the registration number of the CDU and the PATS are the same. If not, enter with the correct registration number ([AMM TASK 23-24-03-860-801-A/200](#)).

- (g) Push the MAINTENANCE line select key.

Result:

- 1 The CMU MAINT MENU 1/2 page is shown on the CDU display.

- (h) Push the NEXT select key.

Result:

- 1 The ACARS MAIN MENU 2/2 page comes into view on the CDU display.

- (i) Push the SYS MENU line select key.

- (j) Push the DATALINK MGR line select key.

Result:

- 1 The CMU DATALINK MGR 1/2 page comes into view on the CDU display.



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- (k) Push the NEXT select key.  
Result:  
1 The CMU DATALINK MGR 2/2 page comes into view on the CDU display.
- (l) Push the VHF TEST line select key.  
Result:  
1 The SENDING message comes on, on the CDU display.  
2 After, the SENT message comes on, on the CDU display.
- NOTE:** The message NO COMM will come on if communication between the PATS and the aircraft is not established.
- (m) In the CDU, push the SYS MENU line select key.  
Result:  
1 The CMU SYSTEM MENU page comes into view on the CDU display.
- (n) Push the MAIN MENU line select key.  
Result:  
1 The ACARS MAIN MENU 1/2 page comes into view on the CDU display.
- (o) Push the PRE FLT line select key.  
Result:  
1 The ACARS PRE-FLIGHT page comes into view on the CDU display.
- (p) Push the INITIALIZE line select key.  
Result:  
1 The ACARS INITIALIZE 1/2 page comes into view on the CDU display.
- (q) With the CDU alphanumeric keyboard, enter with the "AAAA" data and select DEP STA.  
Result:  
1 The "AAAA" data is shown on the DEP STA field.
- (r) Enter with the "0001" data and select FLT NO.  
Result:  
1 The "0001" data is shown on the FLT NO field.
- (s) Enter with the "BBBB" data and select DEST STA.  
Result:  
1 The "BBBB" data is shown on the DEST STA field.
- (t) Push the RETURN line select key.  
Result:  
1 The ACARS PRE-FLIGHT is shown on the CDU display.
- (u) Push the MAIN MENU line select key.  
Result:  
1 The ACARS MAIN MENU 1/2 is shown on the CDU display.
- (v) Push the SYS MENU line select key.  
Result:  
1 The CMU SYSTEM MENU is shown on the CDU display.

- (w) Push the DATALINK MGR line select key.  
 Result:  
 1 The CMU DATALINK MGR 1/2 page is shown on the CDU display.
- (x) Push the VHF FREQ SEL line select key.  
 Result:  
 1 The CMU VHF FREQ SEL 1/2 page is shown on the CDU display.
- (y) Select the frequency of 131.72 MHz.  
 Result:  
 1 The indication SEL goes beside the 131.72 MHz frequency.
- (z) Push the RETURN line select key.  
 Result:  
 1 The CMU DATALINK MGR 1/2 page is shown on the CDU display.
- (aa) Push the SYS MENU line select key.  
 Result:  
 1 The CMU SYSTEM MENU page is shown on the CDU display.
- (ab) Push the MAIN MENU line select key.  
 Result:  
 1 The ACARS MAIN MENU 1/2 page is shown on the CDU display.
- (ac) Push the NEXT function key.  
 Result:  
 1 The ACARS MAIN MENU 2/2 page is shown on the CDU display.
- (5) For a check of the message sent from the PATS to the aircraft (uplink message), do as follows:
- (a) On the laptop keyboard, push the F10 key to select the POP DOWN MENU.  
 Result:  
 1 The POP DOWN MENU is selected.
- (b) On the laptop keyboard, push the E key to access the SEND MESSAGE menu.  
 Result:  
 1 The SEND MESSAGE menu is shown on the laptop display.
- (c) Select UPLINK ANY LABEL MSG and push ENTER.  
 Result:  
 1 The PC-ACARS UPLINK MESSAGE EDITOR window is shown on the laptop display.
- NOTE: Use the TAB key to move through the fields and the ENTER key to accept the values in the fields.
- (d) Set the fields of the PC-ACARS UPLINK MESSAGE EDITOR window as follows:
- TO A/C: (set the aircraft registration number).
  - LABEL: 40.
- NOTE: The field "TEXT FILE" must contain the path/filename where the message will be stored.

- (e) Push the ENTER key to accept the data.
  - (f) Push the F5 key (EDIT TEXT) to edit the text.
  - (g) Enter with these data:
 

NOTE: The registration number of the CDU and the PATS must be the same.

    - aircraft registration number.
    - date (MM.DD.YY).
    - hour (HH:MM).
  - (h) Push the ESC key to return the PC-ACARS MESSAGE EDITOR window.
  - (i) Push the F2 (SEND, SAVE, EXIT) to send the message to the aircraft.
  - (j) On the CDU, push the MSGS RCVD line select key.  
 Result:  
 1 The message transmitted from the PATS is shown on the CDU display.
  - (k) Make sure that the message received is the same as the message sent by the PATS.
- (6) For a check of the message sent from the aircraft to the PATS (downlink message), do as follows:
- (a) Push the RETURN line select key.  
 Result:  
 1 The ACARS MAIN MENU 2/2 page is show on the CDU display.
  - (b) Push the PREV function key.  
 Result:  
 1 The ACARS MAIN MENU 1/2 page is show on the CDU display.
  - (c) Push the FREE TEXT line select key.  
 Result:  
 1 The ACARS FREE TEXT page is shown on the CDU display.
  - (d) With the CDU keyboard, type a message.
  - (e) Enter with the text message into the first line of the CDU display.  
 Result:  
 1 The typed text comes on in the first line of the CDU display.
  - (f) Push the SEND line select key.  
 Result:  
 1 The SENDING message comes on, on the CDU display.  
 2 After a few seconds, the SENT message comes on, on the CDU display.  
 3 On the PATS, in the laptop PC, a "5Z" ambar message comes into view in the LABEL column. It is an indication that the PATS received the message from the aircraft.
  - (g) On the laptop keyboard, push the F1 key to access ALL TRAFFIC.
  - (h) Make sure that the message sent by the aircraft comes into view after the letters FTM.

- (i) On the laptop keyboard, push the ESC key.

Result:

- 1 The PC-ACARS MAIN MENU is shown on the laptop display.

- (j) Push the ESC key three times to quit the program.

- (k) Turn the laptop computer off.

Result:

- 1 RADIO PWR LED goes off.

- (l) Set the SYSTEM PWR switch to OFF.

- (7) Do the OOOI interface check as follows:

- (a) Push the RETURN line select key.

Result:

- 1 The ACARS MAIN MENU 1/2 page is shown on the CDU display.

- (b) Push the NEXT function key.

Result:

- 1 The ACARS MAIN MENU 2/2 is shown on the CDU display.

- (c) Push the STATUS line select key.

Result:

- 1 The ACARS STATUS MENU page is shown on the CDU display.

- (d) Push the SENSORS line select key.

Result:

- 1 The ACARS SENSOR STATUS 1/6 page is shown on the CDU display.

- (e) Close the main door.

- (f) Release the parking brake.

Result:

- 1 The current OOOI time is set to OUT TIME.

- (g) On the Circuit Breakers Panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:

- AIR/GND A (Location Tip: DC BUS 1/LDG GEAR/AIR GND A).

- AIR/GND B (Location Tip: ESSENTIAL DC BUS 1/LDG GEAR/AIR GND B).

- AIR/GND C (Location Tip: DC BUS 2/LDG GEAR/AIR GND C).

- AIR/GND D (Location Tip: ESSENTIAL DC BUS 2/LDG GEAR/AIR GND D).

Result:

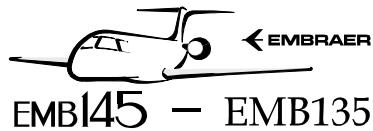
- 1 The current OOOI time is set to OFF TIME.

- (h) On the Circuit Breakers Panel, remove the DO-NOT-CLOSE tag, and close these circuit breakers:

- AIR/GND A.

- AIR/GND B.

- AIR/GND C.



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- AIR/GND D.

Result:

1 The current OOOI time is set to ON TIME.

- (i) Open the main door.
- (j) Set the parking brake on.

Result:

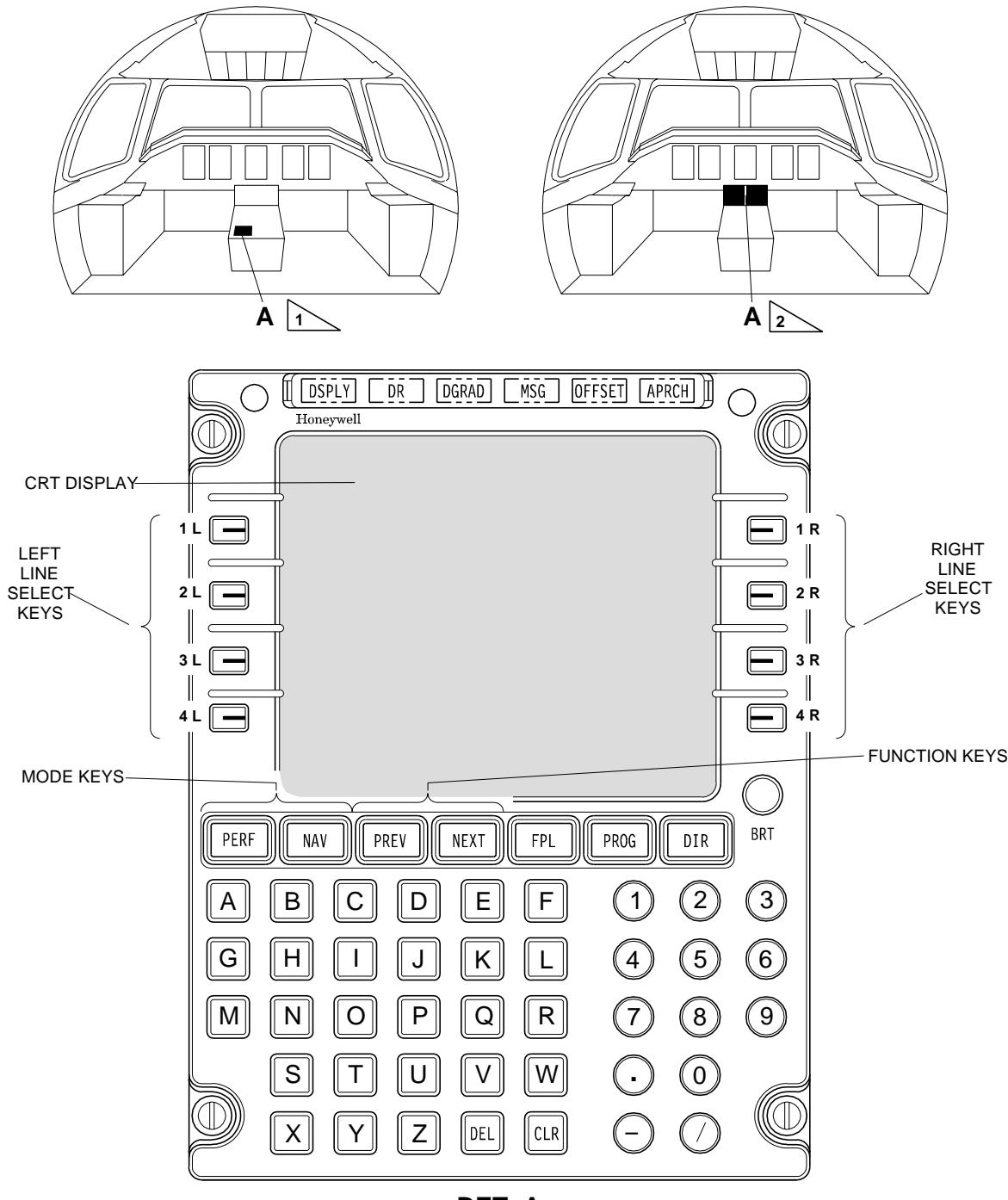
1 The current OOOI time is set to IN TIME.

### K. Follow-on

#### SUBTASK 842-002-A

- (1) Close access door 113CZ (AMM MPP 06-41-01/100).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

**EFFECTIVITY: AIRCRAFT WITH CDU-810**  
**FMS CDU-810**  
**Figure 501**



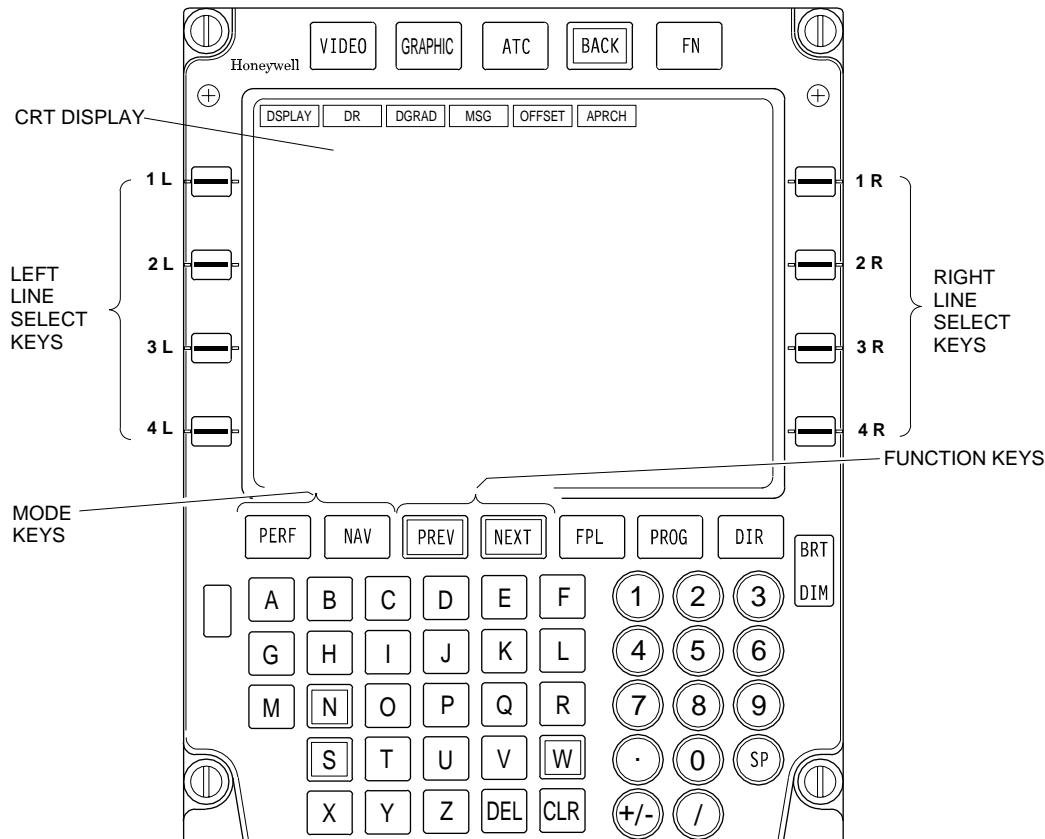
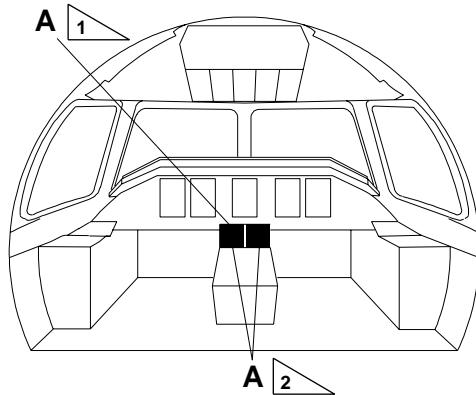
AIRCRAFT WITH SINGLE FMS



AIRCRAFT WITH DUAL FMS

145AMM230485.MCE

**EFFECTIVITY: AIRCRAFT WITH CDU-820**  
**FMS CDU-820**  
**Figure 502**



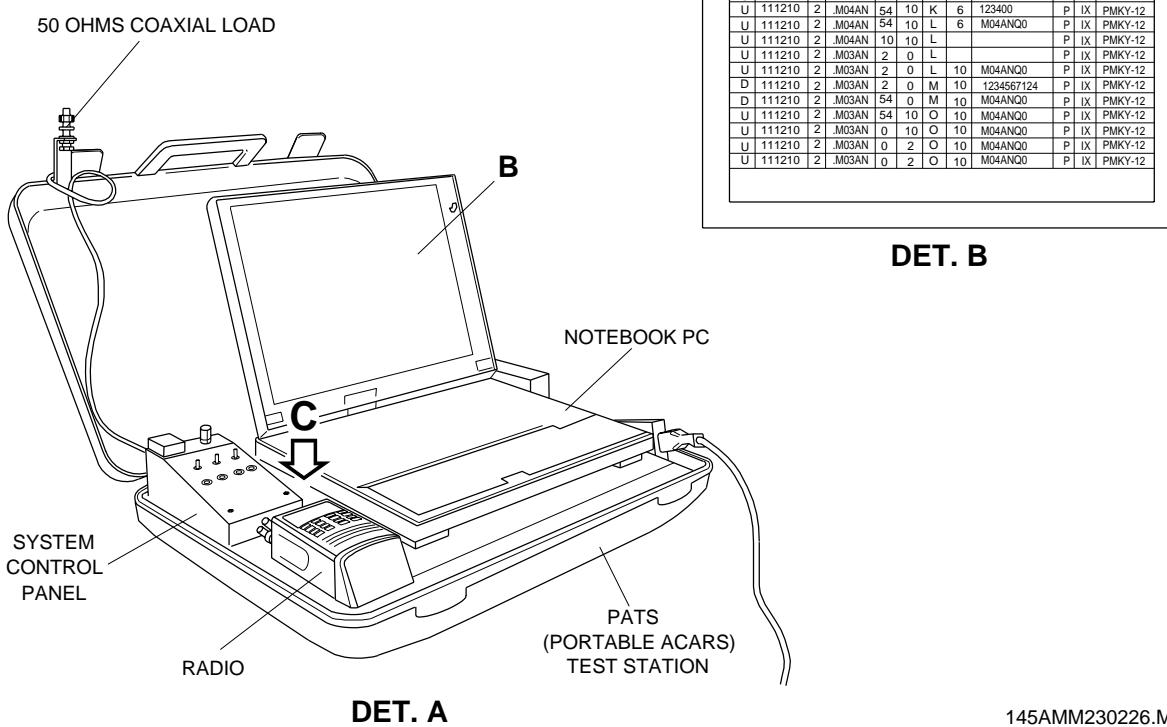
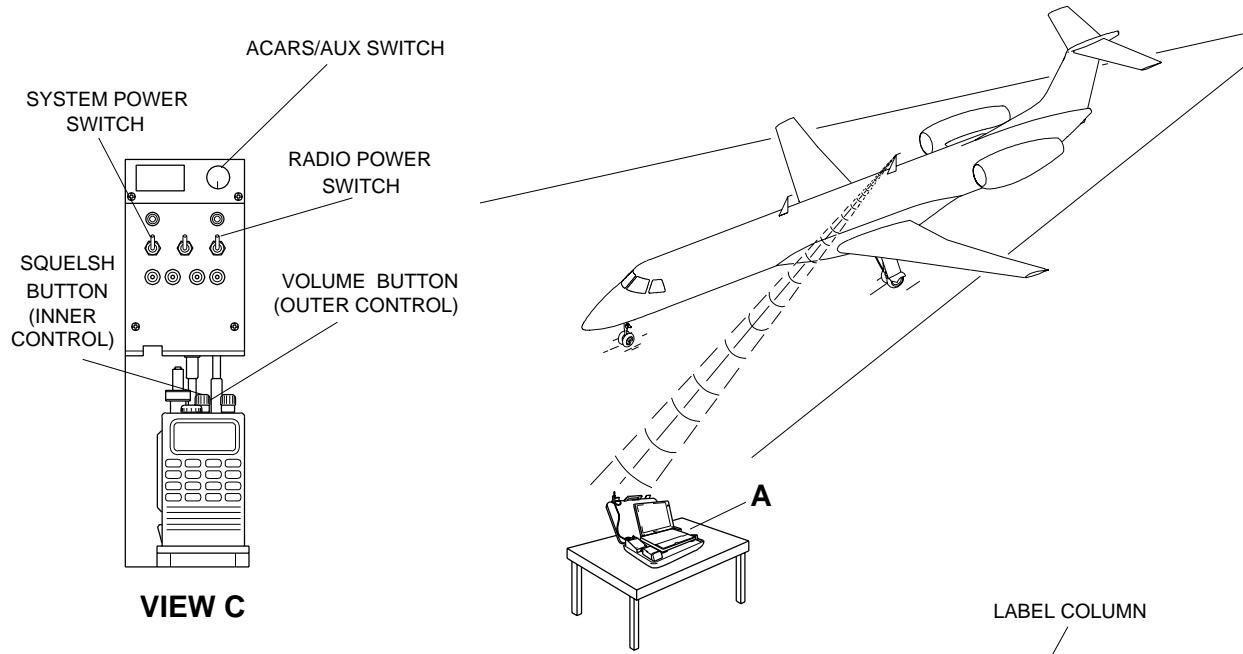
**DET. A**

**1** AIRCRAFT WITH SINGLE FMS

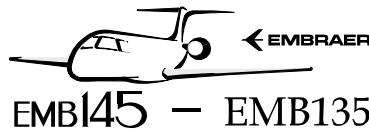
**2** AIRCRAFT WITH DUAL FMS

145AMM230649.MCE

**EFFECTIVITY: AIRCRAFT WITH CMU**  
**PATS - Portable ACARS Test Station**  
**Figure 503**



145AMM230226.MCE



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TASK 23-24-00-700-802-A

EFFECTIVITY: AIRCRAFT WITH CMU

3. CMU - FUNCTIONAL TEST WITH AN ACARS GROUND STATION

A. General

- (1) This task gives the procedures to do the CMU functional test with an ACARS Ground Station.
- (2) These procedures are applicable to aircraft with the baseline AMI (Airline Modifiable Information) database installed on the CMU. If the aircraft has a customized version of the AMI, the screens or line select keys sequences on the CDU may not match.

**NOTE:** The figures show typical displays on the CDU. The display can show different information when customized AMI (Airline Modifiable Information) is loaded on the aircraft.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223		Cockpit
213	113CZ	Forward electronic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

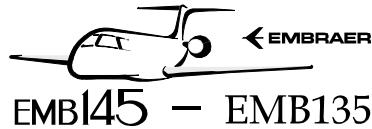
Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit
1	Helps the other technician	Forward electronic compartment



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I. Preparation ([Figure 504](#)) ([Figure 505](#))

SUBTASK 841-003-A

- (1) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Make sure that landing gear safety pins are installed.
- (3) Close all FMS 1 circuit breakers (Location Tip: DC BUS 1/NAV/FMS) or FMS 2 circuit breakers (Location Tip: DC BUS 2/ NAV/FMS).
- (4) On the circuit breaker panel, make sure that these circuit breakers are closed:
  - CMU (Location Tip: DC BUS 1/COMM/CMU).
  - CMU PTR (Location Tip: 115 V AC/CMU PTR).
  - MAIN DOOR 1 (Location Tip: DC BUS 1/MISCELLANEOUS/MAIN DOOR 1) or MAIN DOOR 2 (Location Tip: HOT BUS 2/MAIN DOOR 2).
  - EMER/PRKG (Location Tip: DC BUS 1/LDG GEAR/BRAKES/EMERG/PRKG).
- (5) Make sure that the Emergency Parking Brake system operates and is with hydraulic power.
- (6) Make sure that there is no obstacle between the aircraft and the ACARS ground station.
- (7) Make sure that the aircraft is in the ACARS ground station range.

J. Functional Test Procedures ([Figure 504](#)) ([Figure 505](#))

SUBTASK 720-003-A

- (1) Do the CMU functional test as follows:

NOTE: The CMU initializes in about 10 minutes and it will not respond until initialization is finished.

- (a) Make sure that the main door is open.
  - (b) Make sure that the parking brake is on.
  - (c) Push the NAV function key.

Result:

1 The NAV INDEX 1/2 page is shown on the CDU display.

- (d) Push the DATALINK line select key.

Result:

1 The DATALINK INDEX 1/1 is shown on the CDU display.

- (e) Push the ACARS line select key.

Result:

1 The ACARS MAIN MENU 1/2 page comes into view on the CDU display.

- (f) Push the SYS MENU line select key.

Result:

1 The CMU SYSTEM MENU page is shown on the CDU display.

- (g) Push the MAINTENANCE line select key.  
Result:  
1 The CMU MAINT MENU 1/2 page is shown on the CDU display.
- (h) Push the APM DATA line select key.  
Result:  
1 The TAIL NO is shown in the left side of the page.
- (i) Push the MAINTENANCE line select key.  
Result:  
1 The CMU MAINT MENU 1/2 page is shown on the CDU display.
- (j) Push the NEXT select key.  
Result:  
1 The CMU MAIN MENU 2/2 page comes into view on the CDU display.
- (k) Push the SYS MENU line select key.
- (l) Push the DATALINK MGR line select key.  
Result:  
1 The CMU DATALINK MGR 1/2 page comes into view on the CDU display.
- (m) Push the NEXT select key.  
Result:  
1 The CMU DATALINK MGR 2/2 page comes into view on the CDU display.
- (n) Push the VHF TEST line select key.  
Result:  
1 The SENDING message comes on, on the CDU display.  
2 After, the SENT message comes on, on the CDU display.
- NOTE:** The message NO COMM will come on if communication between the ground station and the aircraft is not established.
- (o) In the CDU, push the SYS MENU line select key.  
Result:  
1 The CMU SYSTEM MENU page comes into view on the CDU display.
- (p) Push the MAIN MENU line select key.  
Result:  
1 The ACARS MAIN MENU 1/2 page comes into view on the CDU display.
- (q) Push the PRE FLT line select key.  
Result:  
1 The ACARS PRE-FLIGHT page comes into view on the CDU display.
- (r) Push the INITIALIZE line select key.  
Result:  
1 The ACARS INITIALIZE 1/2 page comes into view on the CDU display.
- (s) With the CDU alphanumeric keyboard, enter with the "AAAA" data and select DEP STA.

Result:

1 The "AAAA" data is shown on the DEP STA field.

- (t) Enter with the "0001" data and select FLT NO.

Result:

1 The "0001" data is shown on the FLT NO field.

- (u) Enter with the "BBBB" data and select DEST STA.

Result:

1 The "BBBB" data is shown on the DEST STA field.

- (v) Push the SEND line select key.

Result:

1 The SENDING message comes on, on the CDU display.

2 After a few seconds, the SENT message comes on, on the CDU display.

3 The ACARS ground station must receive the free text message.

- (w) Push the RETURN line select key.

Result:

1 The ACARS PRE-FLIGHT is shown on the CDU display.

- (x) Push the MAIN MENU line select key.

Result:

1 The ACARS MAIN MENU 1/2 is shown on the CDU display.

- (y) Push the SYS MENU line select key.

Result:

1 The CMU SYSTEM MENU is shown on the CDU display.

- (z) Push the DATALINK MGR line select key.

Result:

1 The CMU DATALINK MGR 1/2 page is shown on the CDU display.

- (aa) Push the VHF FREQ SEL line select key.

Result:

1 The CMU VHF FREQ SEL 1/2 page is shown on the CDU display.

- (ab) Select the operation frequency that was contracted with the Service Provider.

Result:

1 The indication SEL goes beside the operation frequency selected.

- (ac) Push the RETURN line select key.

Result:

1 The CMU DATALINK MGR 1/2 page is shown on the CDU display.

- (ad) Push the SYS MENU select key.

Result:

1 The CMU SYSTEM MENU page is shown on the CDU display.

- (ae) Push the MAIN MENU line select key.

Result:

1 The ACARS MAIN MENU 1/2 page is shown on the CDU display.

- (2) For a check of the communication between the aircraft and the ACARS ground station:
- Make sure that the CMU frequency is the same as that of the ACARS ground station.
  - Push the FREE TEXT line select key.  
Result:
    - The ACARS FREE TEXT page is shown on the CDU display.
  - With the CDU keyboard, type a message.
  - Push the 1L select key to enter the text message into the first line of the CDU display.  
Result:
    - The typed text comes on in the first line of the CDU display.
  - Push the SEND line select key.  
Result:
    - The SENDING message comes on, on the CDU display.
    - After a few seconds, the SENT message comes on, on the CDU display.
    - The ACARS ground station must receive the free text message.
  - Ask the ACARS ground station to make a free text transmission.
  - On the CDU, push the RETURN line select key.  
Result:
    - The ACARS MAIN MENU 1/2 page is shown on the CDU display.
  - Push the NEXT function key.  
Result:
    - The ACARS MAIN MENU 2/2 page is shown on the CDU display.
  - Push the MSGS RSVD line select key.  
Result:
    - The message transmitted from the ground station is shown on the CDU display.

Result:

1 The current OOOI time is set to OUT TIME.

- (f) On the Circuit Breakers Panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:

- AIR/GND A (Location Tip: DC BUS 1/LDG GEAR/AIR GND A).
- AIR/GND B (Location Tip: ESSENTIAL DC BUS 1/LDG GEAR/AIR GND B).
- AIR/GND C (Location Tip: DC BUS 2/LDG GEAR/AIR GND C).
- AIR/GND D (Location Tip: ESSENTIAL DC BUS 2/LDG GEAR/AIR GND D).

Result:

1 The current OOOI time is set to OFF TIME.

- (g) On the Circuit Breakers Panel, remove the DO-NOT-CLOSE tag, and close these circuit breakers:

- AIR/GND A.
- AIR/GND B.
- AIR/GND C.
- AIR/GND D.

Result:

1 The current OOOI time is set to ON TIME.

- (h) Open the main door.

- (i) Set the parking brake on.

Result:

1 The current OOOI time is set to IN TIME.

**K. Follow-on**

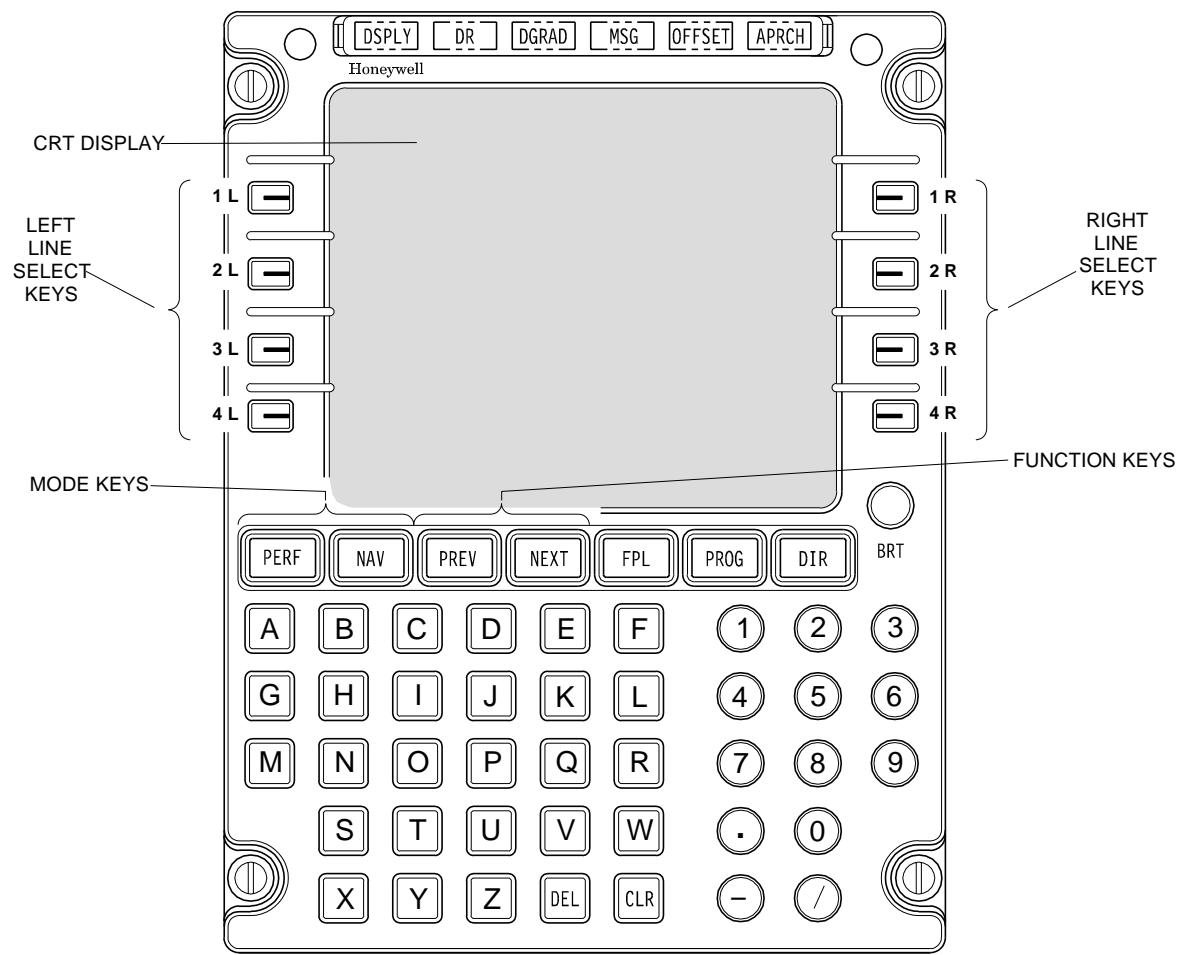
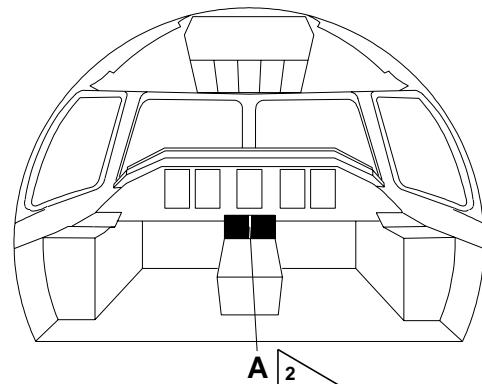
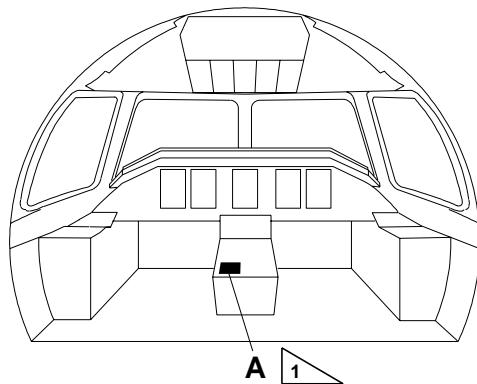
**SUBTASK 842-003-A**

- (1) Close access door 113CZ (AMM MPP 06-41-01/100).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

**EFFECTIVITY: AIRCRAFT WITH CDU-810**

FMS CDU-810

Figure 504

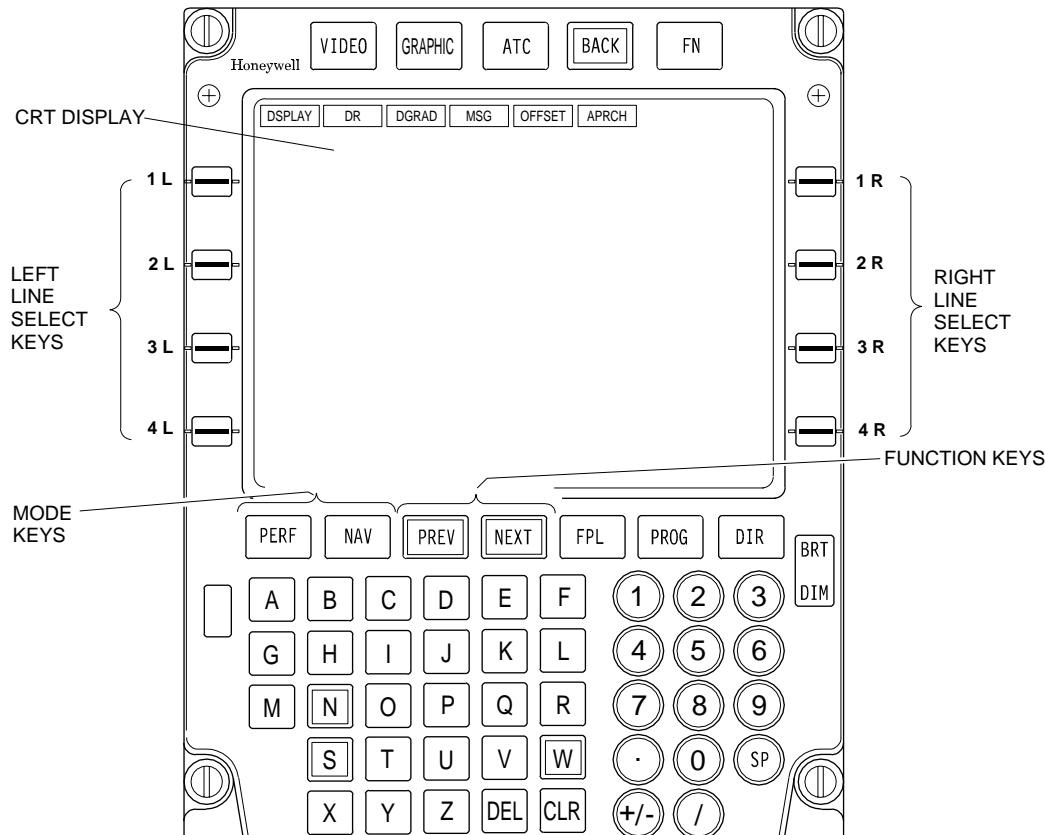
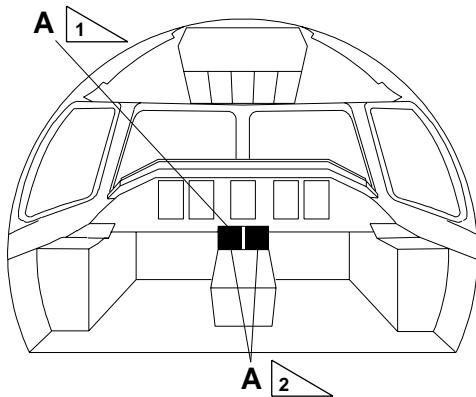


**1** AIRCRAFT WITH SINGLE FMS

**2** AIRCRAFT WITH DUAL FMS

145AMM230485.MCE

**EFFECTIVITY: AIRCRAFT WITH CDU-820**  
**FMS CDU-820**  
**Figure 505**



**DET. A**

**1** AIRCRAFT WITH SINGLE FMS

**2** AIRCRAFT WITH DUAL FMS

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