

## APPENDIX 3. REMOTE CERTIFICATION PROCEDURES USING MAINTENANCE AUTOMATION SOFTWARE SYSTEM (MASS)

**1. PURPOSE.** This section provides the maintenance procedures and corresponding Logical Unit Identifiers (LUIDs) for performing certification activities remotely using MASS. The paragraph references are to the maintenance handbook, 6360.xxx, Maintenance of Air Traffic Control Beacon Interrogator-6/6(M) (ATCBI-6/6(M)) Facilities.

### SECTION 1. PERFORMANCE CHECKS

<i>Certification Check</i>	<i>Reference Paragraph</i>		<i>MASS Command/Parameter LUID</i>	<i>MASS Procedures</i>
	<i>Standards and Tolerances</i>	<i>Onsite Maintenance Procedures</i>		
<b>2. SETUP .....</b>	N/A	N/A	N/A	Par 9
<b>3. TRANSMITTER POWER CHARACTERISTICS.....</b>	Par 311	Par 519	Σ Fwd Ch A: 2420 Σ Fwd Ch B: 2526  Ω Fwd Ch A: 2421 Ω Fwd Ch B: 2527  Σ Rev Ch A: 2423 Σ Rev Ch B: 2529	Par 10
<b>5. RECEIVER SENSITIVITY .....</b>	Par 321	Par 521	Ch A: 2422 Ch B: 2528	Par 11
<b>6. PARROT POSITION .....</b>	Par 340	Par 511	N/A	Par 12
<b>7. REAL TIME QUALITY CONTROL .....</b>	Par 341	Par 518	N/A	Par 12
<b>8. CHANNEL CONTROL CAPABILITY ...</b>	N/A	N/A	SEL BCN CHL A SEL BCN CHL B	Par 13

**9. SETUP PROCEDURE.**

- a. Initiate Status command for LU 24 and LU 25.
- b. Verify time/date stamp is current.

**10. CHECK FORWARD POWER.**

- a. Record values of LUIDs 2420 (CH A DIR POWER) and 2526 (CH B DIR POWER) in FAA Form 6000-8.
- b. Record values of LUIDs 2421 (CH A OMNI POWER) and 2527 (CH B OMNI POWER) in FAA Form 6000-8.
- c. Calculate the Channel A Sum Return Loss by subtracting the value of LUID 2423 from LUID 2420 (CH A DIR POWER – CH A DIR REV POWER). Record this value in FAA Form 6000-8.
- d. Calculate the Channel B Sum Return Loss by subtracting the value of LUID 2529 from LUID 2526 (CH B DIR POWER – CH B DIR REV POWER). Record this value in FAA Form 6000-8.

**6360.XX**  
**Appendix 3**

- e. Compare values with tolerances specified in paragraphs 311a, b, and c.

**11. CHECK RECEIVER SENSITIVITY.**

- a. Record values of LUIDs 2422 (CH A RX SENSITIVITY) and 2528 (CH B RX SENSITIVITY) in FAA 6000-8.
- b. Compare values with tolerance specified in paragraph 321.

**12. CHECK PARROT POSITION AND RTQCS**

- a. Coordinate with the on-duty NAS or NOM at the Air Route Traffic Control Center (ARTCC) System Operations Center (SOC) for performing the Parrot Position and RTQC checks.
- b. Record the ranges and azimuths of the Parrots, Search RTQC, and Beacon RTQC in FAA Form 6000-8.
- c. Compare the ranges and azimuths of the Parrots, Search RTQC, and Beacon RTQC with the tolerances specified in paragraphs 340 and 341.

**13. CHECK CHANNEL CONTROL CAPABILITY**

- a. Check the value of LUID 245A (BCN ONLINE CHNL) to see which channel is currently selected.
- b. Issue the command to swap to the opposite channel, either “SEL BCN CHL A” or “SEL BCN CHL B”.
- c. Check the value of LUID 245A (BCN ONLINE CHNL) to verify that the opposite channel is now online.
- d. Issue the command to swap back to the original channel, either “SEL BCN CHL A” or “SEL BCN CHL B”.
- e. Check the value of LUID 245A (BCN ONLINE CHNL) to verify that the original channel is now online.
- f. Record Pass/Fail in FAA Form 6000-8.