

## COCKPIT VOICE RECORDER INTELLIGIBILITY PROCEDURE

Perform the following tests during the cruise or during any lull in activity. The in-flight portion should take no longer than **15 minutes** to complete.

If a test gets interrupted pull CVR circuit breaker and reset once ready to commence test.

A/C Make \_\_\_\_\_ A/C Model \_\_\_\_\_ A/C S/N \_\_\_\_\_

A/C Registration \_\_\_\_\_ Date \_\_\_\_\_

Use a stopwatch to time this test. Remember to stop and restart the clock every time you open and close the circuit breaker. Enter the total time for this test at the end.

### SECTION 1: IN-FLIGHT PORTION OF TEST

#### 1. Intercom

a) With the intercom **ON** have one crew member make the following statement:

**THIS IS THE BEGINNING OF THE CVR FLIGHT TEST FOR AIRCRAFT \_\_\_\_\_ (Registration).**

b) Captain Intercom:

**THIS IS THE CAPTAIN'S INTERCOM TEST 1-2-3-4-5**

c) First Officer Intercom:

**THIS IS THE FIRST OFFICER'S INTERCOM TEST 1-2-3-4-5**

#### 2. Area Microphone

a) Select both intercoms **OFF**

b) Captain – Cover headset boom mic tightly with hand and make the following statement loudly to the First Officer:

**THIS IS THE CAPTAIN SPEAKING TO THE FIRST OFFICER TO TEST THE AREA MICROPHONE. DO YOU UNDERSTAND ME?**

c) First Officer – Cover headset boom mic tightly with hand and make the following statement loudly to the Captain:

**YES I UNDERSTAND YOU. THIS IS THE FIRST OFFICER SPEAKING TO THE CAPTAIN TO TEST THE AREA MICROPHONE. DO YOU UNDERSTAND ME?**

d) Captain: **YES I UNDERSTAND YOU.**

### 3. Uninterrupted Microphone Audio

(Pilots please do not be confused by this title, it is for the CVR technicians purpose only. Please read and do this next step a) exactly as it says.)

a) Leave the intercom **OFF** or do not use the intercom. **NOTE: You must not hear yourself or the other crew in your headphones.**

b) Captain - Speaking into the boom mic make the following statement:  
**THIS IS THE CAPTAIN'S TEST OF THE UNINTERRUPTED MICROPHONE AUDIO, TESTING 1-2-3-4-5**

c) First Officer – Speaking into the boom mic make the following statement:  
**THIS IS THE FIRST OFFICER'S TEST OF THE UNINTERRUPTED MICROPHONE AUDIO, TESTING 1-2-3-4-5**

### 4. Transmitter

a) Tune either company or ATC frequency on VHF COMM 1 and VHF COMM 2 to get a reply for the following test.

b) Captain – With the boom mic make the following statement into the intercom:  
**THIS IS THE CAPTAIN ABOUT TO MAKE A RADIO CALL WITH VHF COMM 1.**

Make a radio call of at least 5 seconds on VHF COMM 1.

c) First Officer – With the boom mic make the following statement into the intercom:  
**THIS IS THE FIRST OFFICER ABOUT TO MAKE A RADIO CALL WITH VHF COMM 2.**

Make a radio call of a least 5 seconds on VHF COMM 2.

### 5. Cabin PA (If Installed)

a) If a cabin PA is installed make the following statement on the cabin PA.

b) Captain Intercom:  
**THIS IS THE CAPTAIN'S PA TEST 1-2-3-4-5**

c) First Officer Intercom:

**THIS IS THE FIRST OFFICER'S PA TEST 1-2-3-4-5**

6. Cabin PA (If NOT Installed)

a) If the cabin PA is not installed make the following statement over the intercom:

**THE PASSENGER ADDRESS SYSTEM IS NOT INSTALLED ON  
AIRCRAFT \_\_\_\_\_ (Registration).**

**PULL THE CVR CIRCUIT BREAKER FOR THE REMAINDER OF THE  
FLIGHT.**

Total Test Time: (do not exceed 15 minutes.)

Crew Signature: \_\_\_\_\_

## COCKPIT VOICE RECORDER INTELLIGIBILITY PROCEDURE

Note: only **15 minutes** of recording time remains. If necessary pull the CVR circuit breaker between tests to preserve recording time. If the time is exceeded the In-Flight portion of the test may be recorded over and will have to be redone. Aircraft must have engines running for the duration of the test.

A/C Make \_\_\_\_\_ A/C Model \_\_\_\_\_ A/C S/N \_\_\_\_\_

A/C Registration \_\_\_\_\_ Date \_\_\_\_\_

Use a stopwatch to time this test. Remember to stop and restart the clock every time you open and close the circuit breaker. Enter the total time for this test at the end.

### SECTION 2: GROUND PORTION OF TEST

#### 7. Transmitters

(Ground portion, some tests are repeated for comparison purposes)

The purpose of this test is to confirm that the microphone audio and crew sidetone is recorded. Transmissions should be made to a controller or company to get a reply

Allow 5 seconds between transmissions (for analysis purpose)

##### a) Captain:

Make a radio call of at least 5 second duration with BOOM microphone VHF COMM 1 (+5 sec)

Make a radio call of at least 5 second durations with HAND microphone VHF COMM 2 (+5sec)

With the boom microphone, into the intercom announce:

**THIS IS THE CAPTAIN ABOUT TO MAKE AN ANNOUNCEMENT ON THE CABIN PA.**

Make an announcement on the cabin PA of a least 3 seconds in duration.

##### b) First Officer:

Make a radio call of at least 5 second durations with HAND microphone VHF COMM 1 (+5sec)

Make a radio call of at least 5 second duration with BOOM microphone VHF COMM 2 (+5 sec)

With the boom microphone, into the intercom announce:

**THIS IS THE FIRST OFFICER ABOUT TO MAKE AN ANNOUNCEMENT ON THE CABIN PA.**

Make an announcement on the cabin PA of at least 3 seconds in duration.

c) Cabin attendant PA function:

Announce over the intercom:

**THE CABIN ATTENDANT IS ABOUT TO MAKE AN ANNOUNCEMENT.**

Have cabin attendant to make a PA announcement of a least 5 seconds in duration.

d) If necessary to preserve CVR recording time pull the CVR breaker.

## 8. Oxygen Mask

The purpose of this test is to confirm that the microphone in the oxygen mask is being recorded during intercom, radio communication, and that uninterrupted microphone audio is recorded.

a) Captain:

With the intercom selected **ON**, announce:

**THIS IS THE CAPTAIN SPEAKING INTO THE OXYGEN MASK MICROPHONE WITH THE INTERCOM ON AND NOT TRANSMITTING.**

With the intercom selected **OFF**, announce:

**THIS IS THE CAPTAIN SPEAKING INTO THE OXYGEN MASK MICROPHONE WITH THE INTERCOM OFF AND NOT TRANSMITTING.**

Before keying the radio announce:

**THIS IS THE CAPTAIN ABOUT TO MAKE A RADIO CALL FROM MY OXYGEN MASK.**

Make a radio call from either VHF COMM. This may be a blind call on an unused or company frequency.

b) First Officer:

With intercom selected **ON**, announce:

**THIS IS THE FIRST OFFICER SPEAKING INTO THE OXYGEN MASK MICROPHONE WITH THE INTERCOM ON AND NOT TRANSMITTING.**

With the intercom selected **OFF**, announce:

**THIS IS THE FIRST OFFICER SPEAKING INTO THE OXYGEN MASK MICROPHONE WITH THE INTERCOM OFF AND NOT TRANSMITTING.**

Before keying the radio announce:

**THIS IS THE FIRST OFFICER ABOUT TO MAKE A RADIO CALL FROM MY OXYGEN MASK.**

Make a radio call from either VHF COMM. This may be a blind call on an unused or company frequency.

## 9. Other Audio Receivers

The purpose of this test is to confirm that the other receiver audio are being recorded. Allow the audio to remain for a least 5 seconds. If one of the following receivers is not installed, announce that the unit is not installed using the intercom.

a) Tune in a local station with intelligible audio on each receiver.

b) Captain:

Announce: **CAPTAIN'S SIDE ADF 1 AUDIO.** (+5 seconds)

Announce: **CAPTAIN'S SIDE ADF 2 AUDIO.** (+5 seconds)

Announce: **CAPTAIN'S SIDE NAV 1 AUDIO.** (+5 seconds)

Announce: **CAPTAIN'S SIDE NAV 2 AUDIO.** (+5 seconds)

Announce: **CAPTAIN'S SIDE DME 1 AUDIO.** (+5 seconds)

Announce: **CAPTAIN'S SIDE DME 2 AUDIO.** (+5 seconds)

c) First Officer:

Announce: **FIRST OFFICER ADF 1 AUDIO.** (+5 seconds)

Announce: **FIRST OFFICER ADF 2 AUDIO.** (+5 seconds)

Announce: **FIRST OFFICER NAV 1 AUDIO.** (+5 seconds)

Announce: **FIRST OFFICER NAV 2 AUDIO.** (+5 seconds)

Announce: **FIRST OFFICER DME 1 AUDIO.** (+5 seconds)

Announce: **FIRST OFFICER DME 2 AUDIO.** (+5 seconds)

d) If necessary to preserve CVR recording pull the CVR circuit breaker.

## 10. Aural Alerts

The purpose of this test is to ensure that all aural alerts are audible.

If any of the following aural alerts are not applicable to the aircraft, make the following statement into the intercom.

**AURAL ALERT \_\_\_\_\_ IS NOT APPLICABLE TO THIS AIRCRAFT.**

a) Prior to activation an aural alert, announce what alert is going to be tested (see below). Allow the alert to sound for 2-3 seconds or 4-5 cycles (as applicable).

b) Reset the CVR circuit breaker (if previously pulled)

c) Announce:

**THIS IS A TEST OF THE MASTER CAUTION AURAL ALERT.**

**THIS IS A TEST OF THE MASTER WARNING AURAL ALERT.**

**THIS IS A TEST OF THE FIRE AURAL ALERT.**

**THIS IS A TEST OF THE STALL AURAL ALERT.**

**THIS IS A TEST OF THE OVERSPEED AURAL ALERT.**

**THIS IS A TEST OF THE ALTITUDE ALERT AURAL ALERT.**

**THIS IS A TEST OF THE TCAS AURAL ALERT.**

**THIS IS A TEST OF THE GPWS AURAL ALERT.**

**THIS IS A TEST OF THE GEAR UP AURAL ALERT.**

**THIS IS A TEST OF THE TRIM IN MOTION AURAL ALERT.**

**THIS IS A TEST OF THE AUTOPILOT DISCONNECT AURAL ALERT.**

**THIS IS A TEST OF THE SAS AURAL ALERT.**

d) Pull the CVR circuit breaker to preserve the CVR recording.

Total This Test Time (do not exceed 15 minutes)

Certification:

I certify that the tests detailed on this report have been checked and initialized and have been conducted as indicated.

Mechanic (please print)\_\_\_\_\_ Signature\_\_\_\_\_

Company\_\_\_\_\_ Date\_\_\_\_\_