

#### **2.4.3.2.7.3.4.2 Verification of “OM\_3” Subfield in Aircraft Operational Status Message (subparagraph 2.2.3.2.7.3.4.2, 2.2.5.1.40)**

##### Purpose/Introduction:

The “OM\_3” subfield is a 4-bit (“ME” bits 29 through 32, Message bits 61 through 64) field used to indicate the status of Terminal Area Operational Capabilities of the ADS-B transmitting system to other aircraft as defined by the following encoding.

##### Measurement Procedure:

The meanings of each of the Operational Mode subfields have yet to be defined. Once such meanings are defined, appropriate test procedures will be added to this document in order to verify the settings of the Operational Mode subfields.

#### **2.4.3.2.7.3.4.3 Verification of “OM\_2” Subfield in Aircraft Operational Status Message (subparagraph 2.2.3.2.7.3.4.3, 2.2.5.1.41)**

##### Purpose/Introduction:

The “OM\_2” subfield is a 4-bit field (Message Bits 65 through 68, ME Bits 33 through 36) used to indicate the status of Approach and Landing Operational Capabilities of the ADS-B transmitting system to other aircraft.

##### Measurement Procedure:

The meanings of each of the Operational Mode subfields have yet to be defined. Once such meanings are defined, appropriate test procedures will be added to this document in order to verify the settings of the Operational Mode subfields.

#### **2.4.3.2.7.3.4.4 Verification of “OM\_1” Subfield in Aircraft Operational Status Message (subparagraph 2.2.3.2.7.3.4.4, 2.2.5.1.42)**

##### Purpose/Introduction:

The “OM\_1” subfield is a 4-bit field (Message Bits 69 through 72, ME Bits 37 through 40) used to indicate the status of Surface Operational Capabilities of the ADS-B transmitting system to other aircraft.

##### Measurement Procedure:

The meanings of each of the Operational Mode subfields have yet to be defined. Once such meanings are defined, appropriate test procedures will be added to this document in order to verify the settings of the Operational Mode subfields.

#### **[2.4.3.2.7.3.5](#) ~~2.4.3.2.7.3.5~~ Verification of “Version Number” Subfield in Aircraft Operational Status Message (subparagraph 2.2.3.2.7.3.5)**

##### Purpose/Introduction:

The “Version Number” subfield is a 3-bit field (Message Bits 73 through 75, ME Bits 41 through 43) used to indicate the Version Number of the formats and protocols in use on the aircraft installation.

Measurement Procedure:

Configure the ADS-B Transmitting System to transmit Aircraft Operational Status Messages at the nominal rate (see 2.2.3.3.2.6.3). Verify that the unit under test was built in conformance with RTCA DO-260A. Verify that the “Version Number” subfield in the Aircraft Operational Status Message is correctly set to binary 001 in Message Bits 73 through 75.

**2.4.3.2.7.3.6 Verification of “NOT ASSIGNED” Subfield in Aircraft Operational Status Message (subparagraph 2.2.3.2.7.3.56)**

No specific test procedure is required to validate subparagraph 2.2.3.2.7.3.56.

**2.4.3.2.7.4 Verification of RESERVED TYPE “23” ADS-B Event - Driven Messages for “TEST” (subparagraph 2.2.3.2.7.4)**

No specific test procedure is required to validate subparagraph 2.2.3.2.7.4.

**2.4.3.2.7.5 Verification of RESERVED TYPE “24” ADS-B Event - Driven Messages (subparagraph 2.2.3.2.7.5)**

No specific test procedure is required to validate subparagraph 2.2.3.2.7.5.

**2.4.3.2.7.6 Verification of RESERVED TYPE “25” ADS-B Event - Driven Messages (subparagraph 2.2.3.2.7.6)**

No specific test procedure is required to validate subparagraph 2.2.3.2.7.6.

**2.4.3.2.7.7 Verification of RESERVED TYPE “26” ADS-B Event - Driven Messages (subparagraph 2.2.4.3.2.7.7)**

No specific test procedure is required to validate subparagraph 2.2.3.2.7.7.

**2.4.3.2.7.8 Verification of RESERVED TYPE “27” ADS-B Event - Driven Messages (subparagraph 2.2.3.2.7.8)**

No specific test procedure is required to validate subparagraph 2.2.3.2.7.7.