2.2.3.2.7.3.2 "SUBTYPE" Subfield in Aircraft Operational Status Messages

The "SUBTYPE" subfield is a 3-bit ("ME" bits 6 through 8, Message bits 38 through 40) used to indicate various types of Aircraft Operational Status messages defined in Table 2-53.

Table 2-53: "SUBTYPE" Subfield in Aircraft Operational Status Messages Encoding

Subtype Coding	Meaning
0	Message contains Aircraft Status data as shown in Figure 2-10
1 - 7	Reserved for future Growth

2.2.3.2.7.3.3 "CAPABILITY CLASS (CC)" Subfield in Aircraft Operational Status Messages

The "Capability Class (CC)" subfields ("ME" bits 9 through 24, Message bits 41 through 56) represent 4 subfields with each being comprised of two subfields of 2-bits each.

The Capability Class subfields are used to indicate ADS-B transmitting system capabilities supported by the aircraft to other aircraft as defined in the following subparagraphs.

2.2.3.2.7.3.3.1 "CC_4" Subfield in Aircraft Operational Status Message

The "CC_4" subfield is a 4-bit ("ME" bits 9 through 12, Message bits 41 through 44) field used to indicate En Route Operational Capabilities of the ADS-B transmitting system to other aircraft as defined by the following encoding shown in Table 2-54.

Table 2-54: "CC_4" Encoding (En Route Operational Capabilities)

CC_4 CODING		MEANING
Bit 9,10	Bit 11,12	
0 0	0 0	~~*TCAS not Operational; CDTI not Operational or unknown*~~*Reserved*
	0 1	~~*TCAS not Operational; CDTI Operational*~~*Reserved*
	1 0	~~*TCAS Operational; CDTI not Operational or unknown*~~*Reserved*
	1 1	~~*TCAS Operational; CDTI Operational*~~*Reserved*
0 1	0 0	*TCAS not Operational; CDTI not Operational or unknown*~~*TBD*~~
	0 1	*TCAS not Operational; CDTI Operational*~~*TBD*~~
	1 0	*TCAS Operational; CDTI not Operational or unknown*~~*TBD*~~
	1 1	*TCAS Operational; CDTI Operational*~~*TBD*~~
1 0	0 0	*TBD*
	0 1	*TBD*
	1 0	*TBD*
	1 1	*TBD*
1 1	0 0	*TBD*
	0 1	*TBD*
	1 0	*TBD*
	1 1	*TBD*

Note: *In Table 2-54 "TCAS Operational" is meant to represent TCAS II (ACAS) operating in TA/RA mode.* *Coding for Bits 9 and 10 set to binary 00 are unused in the DO-260A version of these requirements.*