



AIRCRAFT ENGINEERING REPORT

AER07-3440-0086

Approved Model List: ACSS TCAS Processor

STC ST03976AT

Revision: D

FAA Approved: _____

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Atlanta Aircraft Certification Office
Federal Aviation Administration
Atlanta, GA

Date: January 15, 2013

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RECORD OF REVISIONS

LTR	DATE	CHANGE
IR	10/10/11	Initial Release
A	11/28/11	Revision of MDL's rolled due to TCAS P/N changed. This revision was not FAA approved.
B	7/23/12	Revised report to conform to FAA AML format with no signature boxes. Added Cert basis description.
C	Not Released	Added MD11, A300 and B757 fleet
D	1/15/13	Revised MD11 MDL and B757 MDL.

1. Certification Basis

The Certification Basis for each applicable aircraft model qualified for this modification is listed below:

Boeing 767-34AF

The type certification basis for Boeing 767-300 Series airplanes is shown on TCDS A1NM for parts **not changed or not affected** by the change.

The certification basis for parts **changed or affected** by the change since the reference date of application, August 22, 2011, is based upon part 25 as amended by Amendment 25-125. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-1 through 25-125:

25.1, 25.301, 25.303, 25.305, 25.1301, 25.1309, 25.1353, 25.1383, 25.1529, 25.1581

Regulations at the latest amendment 26-0 through 26-1:

26.11, 26.47

Boeing 747-400F and -400BCF

The type certification basis for Boeing 747-400 Series airplanes is shown on TCDS A20WE for parts **not changed or not affected** by the change.

The certification basis for parts **changed or affected** by the change since the reference date of application, August 22, 2011, is based upon part 25 as amended by Amendment 25-125. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-1 through 25-125:

25.1, 25.301, 25.303, 25.305 25.1301, 25.1309, 25.1353, 25.1383, 25.1529, 25.1581

Regulations at the latest amendment 26-0 through 26-1:

26.11, 26.47

Boeing 757-24APF

The type certification basis for Boeing 757-200 Series airplanes is shown on TCDS A2NM for parts **not changed or not affected** by the change.

The certification basis for parts **changed or affected** by the change since the reference date of application, August 22, 2011, is based upon part 25 as amended by Amendment 25-125. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-1 through 25-125:

25.1, 25.301, 25.303, 25.305, 25.1301, 25.1309, 25.1353, 25.1383, 25.1529, 25.1581

Regulations at the latest amendment 26-0 through 26-1:

26.11, 26.47

Boeing MD-11F

The type certification basis for Boeing MD-11 Series airplanes is shown on TCDS A22WE for parts **not changed or not affected** by the change.

The certification basis for parts **changed or affected** by the change since the reference date of application, August 22, 2011, is based upon part 25 as amended by Amendment 25-125. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-1 through 25-125:

25.1, 25.301, 25.303, 25.305, 25.1301, 25.1309, 25.1353, 25.1383, 25.1529, 25.1581

Regulations at the latest amendment 26-0 through 26-1:

26.11, 26.47

Airbus A300F4-622R

The type certification basis for Airbus A300-600 Series airplanes is shown on TCDS A35EU for parts **not changed or not affected** by the change.

The certification basis for parts **changed or affected** by the change since the reference date of application, August 22, 2011, is based upon part 25 as amended by Amendment 25-125. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 25-1 through 25-125:

25.1, 25.301, 25.303, 25.305, 25.1301, 25.1309, 25.1353, 25.1383, 25.1529, 25.1581

Regulations at the latest amendment 26-0 through 26-1:

26.11, 26.47

Item	Aircraft Make	Aircraft Model	Original T.C. umber	Master Drawing List No. / Revision and Date	AFM Supplement No./ Date	AML Amendment Date
1	Boeing	B747	A20WE	AER07-3440-0094 Rev. A Date 11/28/11 <u>Limitations:</u> Instructions for Continued Airworthiness: AER11-3440-0072 Rev. IR Date 10/05/11	AER11-3440-0071 Rev. IR Date 07/23/12	7/23/12
2	Boeing	B767	A1NM	AER07-3440-0092 Rev. A Date 11/28/11 <u>Limitations:</u> Instructions for Continued Airworthiness: AER11-3440-0074 Rev. IR Date 10/05/11	AER11-3440-0073 Rev. IR Date 07/23/12	7/23/12

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3	Boeing	B757	A2NM	AER11-3440-0115 Rev. A Date 11/29/12 <u>Limitations:</u> Instructions for Continued Airworthiness: AER11-3440-0113 Rev. IR Date 07/27/12	AER11-3440-0114 Rev. IR Date	1/15/13
4	Boeing	MD11	A22WE	AER11-3440-0111 Rev. A Date 11/29/12 <u>Limitations:</u> Instructions for Continued Airworthiness: AER11-3440-0109 Rev. A Date 11/29/12	AER11-3440-0110 Rev. IR Date	1/15/13
5	Airbus	A300	A35EU	AER11-3440-0104 Rev. A Date 11/29/12 <u>Limitations:</u> Instructions for Continued Airworthiness: AER11-3440-0106 Rev. IR Date 09/14/12	AER11-3440-0107 Rev. IR Date	1/15/13