



AIRCRAFT ENGINEERING REPORT

AER04-3440-0032

Approved Model List: Installation of Dual Mode-S Transponder
STC ST02877AT

Revision: I

FAA Approved: _____ Date: _____
Manager
Atlanta Aircraft Certification Office
Federal Aviation Administration
Atlanta, GA

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RECORD OF REVISIONS

LTR	DATE	CHANGE
IR	4/20/04	Initial Release
A	1/18/08	Updated all existing MDLs and added 2 new A/C models
B	4/07/08	Updated A300 and B747 MDL's
C	3/23/10	Updated Master Drawing Lists for the five effective aircraft types
D	9/29/11	Updated Master Drawing Lists for B747 and B767 for addition of DO-260B transponder
E	1/13/12	Updated after conformity and ground testing for B747 and B767 fleet. Note: Rev D was not approved by FAA.
F	1/20/12	Added 3 AFM supplement revisions to add exceptions for AMC 20-24. Note: Rev E was not approved by FAA.
G	3/1/12	Revised to remove signature blocks on front of report. Added Limitation section for each ICA. Added Cert Basis for Each affective series of aircraft.
H	12/19/12	Revised for the DO-260B modification to A300 and MD11 fleet.
I	2/4/13	Updated Rev E of A300 and MD11 MDL's

1. Certification Basis

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

Boeing 757-24APF

The type certification basis for Boeing 757-200PF 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, 25.1301, 25.1309, 25.1353, 25.1529, 25.1581,

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

26.11

Boeing 767-34AF

The type certification basis for Boeing 767-300F 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, 25.1301, 25.1309, 25.1353, 25.1529, 25.1581,

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

26.11

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, 25.1301, 25.1309, 25.1353, 25.1529, 25.1581,

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

26.11

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, 25.1301, 25.1309, 25.1353, 25.1529, 25.1581,

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

26.11

Boeing MD11F

The type certification basis for Boeing MD11 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, 25.1301, 25.1309, 25.1353, 25.1529, 25.1581,

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

Item	Aircraft Make	Aircraft Model	Original T.C. Number	Master Drawing List No. / Revision and Date	AFM Supplement No./ Date	AML Amendment Date
1	Boeing	B757-24APF	A2NM	AER04-3440-0028 Rev. C Date 1/07/2010 <u>Limitations:</u> Instructions for Continued Airworthiness: AER09-3440-0054 Rev. A Date: 4/15/2010	AER09-3440-0055 Rev A Date: 03/01/2012	3/01/2012
2	Boeing	B767-34AF	A1NM	AER04-3440-0029 Rev. E Date 01/13/2012 <u>Limitations:</u> Instructions for Continued Airworthiness: AER09-3440-0058 Rev. B Date: 1/13/2012	AER09-3440-0059 Rev. A Date 03/01/2012 AER11-3440-0087 Rev IR Date 03/01/2012	03/01/12
3	Boeing	MD11F	A22WE	AER04-3440-0024 Rev. E Date 11/7/2012 <u>Limitations:</u> Instructions for Continued Airworthiness: AER09-3440-0060 Rev. B Date: 8/07/2012	AER09-3440-0061 Rev B Date: 12/19/2012 AER11-3440-0118 Rev IR Date: 12/19/2012	02/04/13

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Item	Aircraft Make	Aircraft Model	Original T.C. Number	Master Drawing List No. / Revision and Date	AFM Supplement No./ Date	AML Amendment Date
4	Boeing	B747 -44AF -45E -428F -4R7F	A20WE	AER07-3440-0097 Rev. E Date 01/13/2012 <u>Limitations:</u> Instructions for Continued Airworthiness: AER09-3440-0056 Rev. B Date: 01/9/12	AER09-3440-0057 Rev. A Date: 03/01/2012 AER11-3440-0086 Rev: IR Date: 03/01/2012	03/01/2012
5	Airbus	A300F4 -622R	A35EU	AER07-3440-0102 Rev. E Date 11/7/2012 <u>Limitations:</u> Instructions for Continued Airworthiness: AER09-3440-0052 Rev. B Date: 08/09/2012	AER09-3440-0053 Rev B Date: 12/19/2012 AER11-3440-0117 Rev IR Date: 12/19/2012	02/04/13