



United States of America
Department of Transportation
Federal Aviation Administration
Supplemental Type Certificate

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

Transfer Endorsement

Transfer the ownership of Supplemental Type Certificate Number:

To (Name and address of transferee)

From (Name and address of grantor)

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
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Supplemental Type Certificate

(Continuation Sheet)

Number: ST03251CH

Date Amended: November 20, 2015

Limitations and Conditions:

1. The following Limitations and Conditions apply when the complete Ka Band Connectivity System is installed per LiveTV Installation Data List document 320K8001-IDL:
 - a. FAA Approved Flight Manual Supplement, LiveTV Aircraft Flight Manual Supplement, Document Number 320K8001-AFM, Revision A, approved December 1, 2014 or later FAA approved revision, is required.
 - b. The aircraft shall be maintained in accordance with Instructions for Continued Airworthiness (ICA), Airworthiness Limitations Section, LiveTV Document Number 320K8001-NCA Revision J, dated June 19, 2015, or later FAA approved revisions.
 - c. Installation of aft upper crown structural reinforcements per LiveTV STC ST0788SE is required concurrently or prior to the installation of the Ka-Band Connectivity System in Airbus Model A320 series airplanes when installed I/A/W LiveTV document 320K8001-IDL. The aft upper crown structural reinforcement installation is detailed in LiveTV drawings 99FS933100, 99FS933200, LTV933100, LTV933200 and 320L1003 of LiveTV STC ST0788SE.
2. The following Limitations and Conditions apply when the Oasis Configuration (WLAN) is installed per LiveTV Installation Data List document 320K8002-IDL:
 - a. FAA Approved Flight Manual Supplement, LiveTV Aircraft Flight Manual Supplement, Document Number 320K8002-AFM, Revision IR, approved November 20, 2015 or later FAA approved revision, is required.
 - b. The aircraft shall be maintained in accordance with Instructions for Continued Airworthiness (ICA), Airworthiness Limitations Section, LiveTV Document Number 320K8002-NCA Revision IR, dated August 17, 2015, or later FAA approved revisions.
3. These installations are eligible for Airbus model A320 series airplanes with or without modification 160500, installation of large wingtip device (sharklet).

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Airbus A320 series aircraft is as follows:

The type certification basis for the Airbus A320 series airplane is shown on TCDS A28NM 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, April 20, 2011, is based upon part 25 as amended by amendment 25-56. Based on 14 CFR §§ 21.115 and 21.101, and FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

14 CFR Part 25 Regulations

Regulations at the amendment level in TCDS A28NM:

14 CFR	25.23 ¹	25.121	25.143	25.145	25.147
	25.171	25.173	25.175	25.177(d)	25.181(b)
	25.201	25.203(a)(b)	25.251(a)(b)(c)(d)	25.301 ¹	25.303 ¹
	25.307 ¹	25.333	25.335(e)(f)	25.337	25.365(e)
	25.427	25.471	25.473	25.479	25.481
	25.483	25.485	25.489	25.491	25.493
	25.495	25.499	25.561 ¹	25.571	25.581
	25.601 ¹	25.603 ¹	25.605(a) ¹	25.607 ¹	25.609 ¹

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Supplemental Type Certificate

(Continuation Sheet)

Number: ST03251CH

Date Amended: November 20, 2015

14 CFR Part 25 Regulations (Continued)

Regulations at the amendment level in TCDS A28NM (Continued):

14 CFR	25.611	25.613 ¹	25.623(a) ¹	25.625 ¹	25.629
	25.777(a) ¹	25.789(a) ¹	25.853(b)(b-2)	25.1301 ¹	25.1307(c) ¹
	25.1309(a)(b) ¹	25.1353(a)(b) ¹	25.1355(a)	25.1357(a)(c)(d)(f) ¹	25.1401(b)
	25.1419(a)	25.1431(a)(c) ¹	25.1519 ¹	25.1529 ¹	25.1541(a)(b) ¹
	25.1557(a)	25.1581(a)(b)(d) ¹	25.1585(a) ¹		

Regulations at the amendment level in TCDS A28NM for airplanes without Sharklets (modifications 160500 and 160080):

14 CFR	25.321 (25-23)	25.331 (25-46)	25.335(a)(b)(c)(d) (25-23)	25.341 (25-0)
	25.349 (25-23)	25.351 (25-46)		

Regulations at the amendment level in TCDS A28NM for airplanes with Sharklets (modifications 160500 and 160080):

14 CFR	25.321 (25-86)	25.331 (25-91)	25.335(a)(b)(c)(d) (25-91)	25.341 (25-86)
	25.349 (25-94)	25.351 (25-91)		

Regulations at later amendments as noted:

14 CFR	25.305 ¹ (25-86)	25.571(e)(1) (25-132)	25.841(a) (25-87)	25.869(a)(4) ¹ (25-72)
	25.899(a)(b) (25-123)	25.1351(a)(1)(b)(5) ¹ (25-72)		

14 CFR Part 26 Regulations

Based on 14 CFR §21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the issuance date of this STC, compliance has been found for the following regulations:

14 CFR	26.11(a)(c)(d)(5)(f) ¹ (26-0)	26.47 ¹ (26-1)	26.49 (26-0)
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14 CFR Part 36 Regulations

Based on 14 CFR §§21.93(b)(1), 21.115(a) and 25.101(a), applicable provisions of 14 CFR part 36 are included in the certification basis. As of the issuance date of this STC, compliance has been found for the following regulations:

14 CFR	36.7 (36-26)
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Note: The regulations listed above apply to the entire Ka Band Connectivity System (320K8001-IDL). The regulations identified by a superscript "1" apply to the Oasis Configuration (320K8002-IDL).

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