



Aviation Communication & Surveillance Systems
19810 North 7th Ave
Phoenix, AZ 85027-4400
(623) 445-7000 Fax: (623) 445-7001

04 February 2015

Ms. Annette Allender
Federal Aviation Administration
Spectrum Engineering Services, AJW-1C
800 Independence Avenue, S.W.
Room 507
Washington, D.C. 20591

202.267.3893

Subject: Notification of FCC Equipment Certification Application for ACSS Multi Link Transponder part number 9029000-20000 (Model NGT-9000).

FCC ID #: 2ACTZMSS90

ACSS FRN: 0004999231

Dear Ms. Allender,

In accordance with FCC Rules and Regulations, CFR Title 47, Part 87, Subpart D, Paragraph 87.147(d), Paragraph 87.147(d)(1), and Paragraph 87.147(d)(3), notification is hereby given from ACSS to file for FCC Equipment Certification for the ACSS Multi Link Transponder part number 9029000-20000 (Model NGT-9000).

The ACSS Multi Link Transponder has applied for FAA TSO Authorization for the following TSOs:

- TSO C112d - Level 2dens Class 1
Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/Mode S) Airborne Equipment
- TSO-C113a - Airborne Multipurpose Electronic Displays
- TSO-C145c - Class Beta 1
Airborne Navigation Sensors Using The Global Positioning System Augmented By The Satellite Based Augmentation System
- TSO-C147 - Class A
Traffic Advisory System (TAS) Airborne Equipment
- TSO-C154c - Class A1S Receive Only
Universal Access Transceiver (UAT) Automatic Dependent Surveillance-Broadcast (ADS-B) Equipment Operating on Frequency of 978 MHz
- TSO-C157a - Class 2
Aircraft Flight Information Services--Broadcast (FIS-B) Data Link Systems and Equipment

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(Model NGT-9000)

- TSO-C166b - Class 2
Extended Squitter Automatic Dependent Surveillance - Broadcast (ADS-B) and
Traffic Information Service - Broadcast (TIS-B) Equipment Operating on the Radio
Frequency of 1090 Megahertz (MHz)
- TSO-C195a - Class B1, B5, C1, & C5
Avionics Supporting Automatic Dependent Surveillance-Broadcast (ADS-B)
Aircraft Surveillance Applications (ASA)

The equipment is a Multi Link Transponder with a rated power of 500 watts for the Mode S transmission and 500 watts for the ATCRBS transmission. Both the Mode S and the ATCRBS transmission emission types are 18MOP1D. The Mode S transmission has a frequency range of 1090 MHz \pm 1 MHz. The ATCRBS transmission has a frequency range of 1030 MHz \pm 0.2 MHz. Additional detailed characteristic information is included in the documentation on the enclosed CD that supports this Notification. The enclosed CD is labeled 'ACSS MSS90 Multilink Surveillance System FCC Documentation', and its contents are as listed in ATTACHMENT A.

If you have any questions or concerns or feel additional documentation is necessary, please contact me by one of the methods below.

Sincerely,



Philip D. Heinicke
Technical Staff Engineer
FAA DER

e-mail: phil.heinicke@L-3com.com

phone: 623 445-6665

cell: 602 327-9291

FAX: 623 445-7004

ATTACHMENT A

Included Support Documentation

1. NGT-9000D FCC Test Procedures and Results, ACSS Document 8020133-001, Rev -.
2. FCC Part 2, Part 15, Part 87, Test Report for the Diversity Mode-S Transponder Model # NGT-9000, Test Report No. RV58044-001, Rev -001.
3. NGT-9000D End Item Assembly drawing, ACSS Drawing No. 9029000-20000, Rev A.
4. Parts List, NGT-9000D End Item Assembly, ACSS Drawing No. PL9029000-20000, Rev A.
5. Transponder Panel Mount with Diversity, Drawing No. 9200-17000-01, Rev U
6. Parts List, Transponder Panel Mount with Diversity, Drawing No. PL9200-17000-01, Rev U
7. Circuit Card Assembly – NGT-9000D+, ACSS Drawing No. 9020020-001, Rev J.
8. Circuit Card Assembly GPS UAT NGT-9000, ACSS Drawing No. 9029010-002, Rev A.
9. LYNX NGT-9000 Multilink Surveillance System, Part Number: 9029000-(), Installation Manual, Document Number 0040-17001-01, Revision A.
10. NGT-9000D End Item Label drawing, ACSS Drawing No. 9002040-001, Rev A.
11. Firmware/Software Identification Labels for NGT-9000, ACSS Document No. 9002041, Rev -.