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**Approved Model List  
for  
Aircell Broadband Services (ABS)  
System Installation**

**STC ST03176NY**

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# RECORD OF REVISIONS

Rev	Pages Affected	Description Of Revision	Date	Approvals
A	All	New Document/Initial Release	8/14/2013	J. Moritz

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# 1 Introduction

## 1.1 Summary

This document is the FAA Approved Model List for ODA Project Number ODA-2354-02 for installation of the Aircell Broadband Services (ABS) System for passenger personal communications into eligible aircraft. Revisions to the AML must be coordinated between the STC holder and the responsible FAA ACO or ODA and require FAA approval.

This STC is applicable to the Part 25 aircraft which are listed in this AML. Installations in Part 23, Part 27 and Part 29 aircraft are not authorized under this STC.

## 1.2 Abbreviations/Definitions

Abbreviation	Definition
ABS	Aircell Broadband Services
AML	Approved Model List
CFR	Code of Federal Regulations
EO	Engineering Order
FAA	Federal Aviation Administration
STC	Supplemental Type Certificate
TCDS	Type Certificate Data Sheet

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## 2 Certification Basis

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

### 2.1 Airbus A319/A320/A321

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, this STC is a non-significant change. The certification basis for un-changed or not affected areas by this STC remains un-changed by this STC and the certification basis for the Airbus A319 Series and A320 Series with this STC is as follows:

2.1.1 The following regulations for CFR Part 25 at later amendment than the TCDS all other regulations at certification basis defined in the TCDS:

Section	Title	At Amendment
§25.831	Ventilation	25-89
§25.853	Compartment interiors	25-116
§25.869	Fire protection: systems	25-113
§25.981	Fuel tank temperature	25-102
§25.1307	Miscellaneous equipment	25-72
§25.1351	General	25-72
§25.1353	Electrical equipment and installations	25-113
§25.1431	Electronic equipment	25-113
§25.1581	General	25-72
§25.1583	Operating limitations	25-105
§25.1585	Operating procedures	25-105

2.1.2 CFR Part 26

Section	Title	At Amendment
§26.11	EWIS	26-0
§26.47	AASR	26-1

This STC does not require a revision to the Electrical Wiring Interconnect System Instructions for Continued Airworthiness.

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### 3 Approved Models

STC is approved for installation on the following Aircraft Models:

Aircraft Make	Aircraft Model	Type Certificate Number	Required Approved Data and Added Model Specific Limitations	AML Amendment Date
Airbus	A319/A320/A321	A28NM	<p>Approved Data Master Data List: D12525-20502 Rev F Dated 08-13-2013</p> <p>AFM Supplement: D12443-20502 Rev. A Dated 08-14-2013</p> <p><u>Limitations:</u> Instructions for Continued Airworthiness: D12454-20502 Rev. C Dated 8-13-2013</p> <p>See Note 1 for additional limitations</p>	Revision A Dated 8-14-2013

**Table 1: Approved Models**

**Note 1:** Honeywell Display Unit, P/N 4091900-93x (Example P/Ns 4091900-931, 4091900-932, 4091900-933 and 4091900-934), exhibited susceptibility during 4 watt EIRP Personal Electronic Devices (PEDs) wireless emission tests. Installation of the Aircell ABS on aircraft with these displays requires prohibition of use of Wi-Fi devices on the flight deck when engines are operating for the purposes of flight.

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