

STREAMLINING YOUR PROCESS, FROM INSTALLATION TO CERTIFICATION

Comprehensive product
and service expertise



INTERCONNECT AND
INTEGRATION SOLUTIONS

SIMPLIFY YOUR PROGRAM WITH STRENGTH IN NUMBERS

Every year, Collins Aerospace processes dozens of design approval projects for supplemental type certification. That experience has amounted to hundreds of STCs on more than 30 airframe models, allowing us to build trust in the aviation industry as an expert resource for engineering, design and certification.

When it comes to a smooth, timely, step-by-step process of certifying equipment for your program, this kind of experience and trust counts. And it makes us the right partner to help you streamline your own, unique certification process.

Over the years, we've successfully navigated through certification processes and built relationships with global airworthiness authorities. You can count on our experienced Federal Aviation Administration (FAA), Transport Canada and European Aviation Safety Agency (EASA) representatives – who also have a nuanced understanding of original equipment manufacturer system type integration – to provide comprehensive certification solutions for your program requirements. And with in-house engineering support and specialists, we can offer you options for customized integration engineering and multinational approvals.

Ensure a smooth upgrade for your program with Collins.

EQUIPMENT EXPERIENCE

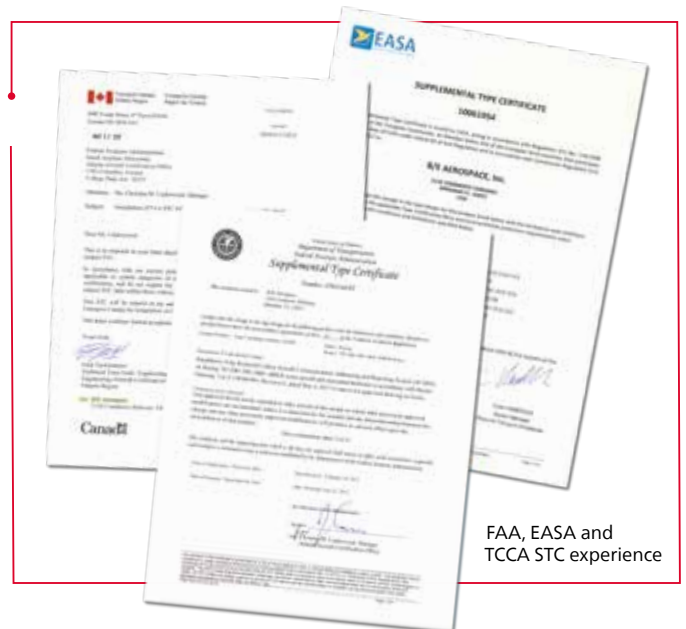
- Automatic Dependent Surveillance-Broadcast (ADS-B)
- Multi Mode Receiver (MMR)
- In-flight entertainment (IFE)
- Cabin management system (CMS)
- SATCOM
- Layout of passenger accommodations reconfiguration (LOPA)
- Aircraft communications, addressing and reporting system (ACARS)
 - CPDLC
 - Datalink
- Wireless local area network (WLAN)
- Class II electronic flight bag (EFB)
- Flight management system (FMS)
- Terrain awareness and warning system (TAWS) and enhanced ground proximity warning system (EGPWS)
- GPS
- Emergency locator transmitter (ELT)
- Traffic collision avoidance system (TCAS/Mode-S)
- Interior/exterior lighting

PLATFORM EXPERIENCE

- Airbus
- ATR
- BAE Systems
- Beechcraft
- Beechjet
- Boeing
- Bombardier
- CASA
- Cessna
- Dornier
- Embraer
- Eurocopter
- Fokker
- Hawker Beechcraft
- Lockheed Martin
- McDonnell Douglas
- Pilatus
- Saab

ADDITIONAL SERVICES

- FAA: Designated Engineering Representative (DER); Designated Airworthiness Representative (DAR); and Designated Manufacturing Inspection Representative (DMIR) services
- Parts Manufacturer Approval (PMA) and consulting
- Installations and parts certification
- Avionics and electrical system design
- Occupant safety assessment
- Aircraft structures stress and damage tolerance analysis
- Interior engineering
- EASA Form 1 airworthiness tag
- EASA production organization approval facility installation kit provision



FAA, EASA and TCCA STC experience

AIRBUS A300

ST00932AT	Video Entertainment System
ST01001AT	Dual Honeywell/Trimble HT9000 GPS
ST02022AT	Dual Canadian Marconi CMA-900 GPS/FMS
ST02297AT	Flight Recorder System Upgrade (FAR 121.344/129.20) (E, B)
ST02929AT	Artex Model C406-1 ELT Installation (R)
ST02994AT	Honeywell EGPWS Installation, A300B4-600 (V, E)

AIRBUS A310

ST02896AT	Thales Kannad ELT Installation
ST02929AT	Artex C406-1 ELT Installation (R)

AIRBUS A318/319/A320/A321

ST02896AT	Thales Kannad ELT Installation (A319/320/321 Only) (E, V, R* C*)
ST03916AT	TEAC/Goodrich Digital Audio Reproducer and Digital Video Reproducer for the Passenger Entertainment System (PES) (B, A, E)
ST04362AT	Collins ADS-B Out (E, R*, B)
ST04520AT	Collins GLU-2100 MMR Upgrade (E)
Pending	Collins ADS-B out with GPS 4000s (E*)

AIRBUS A330

ST03892AT	Imagik Monitor Replacement (B)
ST04220AT	Tapestry Lights (B, E)
ST04419AT	Collins ADS-B Out (C, E)
ST04520AT	Collins GLU-2100 MMR Upgrade (C, E)

AIRBUS EUROCOPTER DAUPHIN AS-365

SP03675AT	Honeywell Solid State Cockpit Voice Flight Data Recorder (SSCVFDR) Installation
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ATR 42/72

ST03846AT	Electronic Flight Bag (EFB) and WSI Weather Briefing System
ST03912AT	ACSS Mode-S, T2CAS System

BAE JETSTREAM 31/32

ST02929AT	Artex Model C406-1 ELT Installation (E, C, R)
SA03020AT	Sandel ST3400 TAWS Installation (E, C)
ST03269AT	Honeywell CAS-67A TCAS II with MST-67A Mode S (E, C)

BAE JETSTREAM 41

ST03394AT	DMP-100/-200 Digital Media Player (Cabin Briefer) (E)
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BEECHCRAFT 1900

SA13BO	Sundstrand MK VI GPWS Installation
SA14BO	Collins ALT-55B Radio Altimeter Installation
SA02821AT	Sandel ST3400 TAWS Installation (C, E)
ST02793AT	Honeywell EGPWS Installation (C, E)
ST02794AT	Garmin G-400 GPS Installation (C)

BEECHJET 400A

ST03330AT	Installation of EMTEQ LED Lighting
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BOEING 707

ST01329AT	AlliedSignal RDR-4B Predictive Windshear/ Radar System Installation
ST01330AT	11-Channel Digital Flight Data Recorder Installation (B)
ST02929AT	Artex Model C406-1 ELT Installation (R)

BOEING 717

ST04416AT	Collins GLU-925/GLU-2100 MMR Upgrade
ST04418AT	Collins ADS-B Out System

BOEING 727

SA1615O	Radio Altimeter
SA6045O	Collins FD-109 Flight Director Retrofit
SA13675O	Sperry Performance Management System Installation
ST4265O	Honeywell Air Data System Installation (-100 A/C)
ST00221AT	11-Channel Flight Recorder Retrofit (C, E)
ST00844AT	Dual Garmin 165 GPS Installation
ST02006AT	18-Channel Flight Recorder Upgrade (E)
ST02843AT	Honeywell Mode S and TCAS Installation (B)
ST02896AT	Thales Kannad ELT Installation
ST02929AT	Artex Model C406-1 ELT Installation (C, E, B, R)
ST02995AT	Honeywell Mk VII EGPWS Installation (C, E, B)

BOEING 737-200

ST00421AT	11-Channel Flight Recorder Retrofit
ST01684AT	Honeywell/Trimble HT 9000 GPS Installation
ST01732AT	Trimble 2101 I/O GPS Installation (A)
ST02096AT	18-Channel Flight Recorder Upgrade
ST02178AT	22-Channel Flight Recorder Upgrade (Aircraft with FDAUs)
ST02716AT	Honeywell EGPWS Install. (E, V, C)
ST02929AT	Artex Model C406-1 ELT Installation (E, C, A, R)
ST03014AT	CMA-900 FMS/GPS Installation
ST02761AT	Honeywell ELT Installation (E)

BOEING 737-300/-400/-500

ST02716AT	Honeywell MK V EGPWS Installation (B, E, V, C)
ST02723AT	Dual GPS Antenna (B, C, E, M, V)
ST02929AT	Artex C406-1 ELT Installation (C, E, B, V, A, U, R)
ST02966AT	Honeywell Flight Data Acquisition & Management System
ST02967AT	Avtech (Motorola) SELCAL System Installation (V)
ST03212AT	Active Noise Canceling Headset Installation (E)
ST03227AT	FreeFlight 2101 GPS Installation
ST03345AT	ELS/EHS Installation (B, C, E, M, R*, V)
ST03346AT	Runway Awareness and Advisory System (RAAS)

BOEING 737-600/-700/-800/-900

ST02401AT	Honeywell Mode-S and TCAS Installation
ST02408AT	Honeywell RDR-4B Radar/PWS Installation
ST02929AT	Artex Model C406-1 ELT Installation (C, E, V, A, U, R, B*)
ST02967AT	Avtech (Motorola) SELCAL System Installation (V)
ST03282AT	Dual Collins HFS-900 Comm System Installation (V, E)
ST03283AT	Matsushita Pre-recorded Announcements & Music (V, E)
ST03346AT	Runway Awareness and Advisory System (RAAS)
ST03899AT	Collins SAT-2000 SATCOM (E)
ST03942AT	Collins IGA-2000 SATCOM Antenna
ST03952NY	Collins ACARS with PM-CPDLC (E#) Contact EMTEQ_continuedairworthiness@beaerospace.com
ST04226AT	LED Lights in the Main Cabin (E)
ST04421AT	Honeywell MK II ACARS/Data-Link (E, R*)
ST04427AT	Collins ADS-B Out System (E, V)
ST04436AT	Collins GLU-2100 MMR Upgrade (E, C, V, D*)

BOEING 747-100/-200/-300/-400

ST02929AT	Artex Model C406-1 ELT Installation (C, E, V, R)
ST03637AT	Honeywell MK V EGPWS Installation
ST03734AT	HD-710 High-Speed Data Terminal/High Power Amplifier (V)
ST03973AT	EMTEQ LED Anti Collision Light (ACL)
ST03969AT	Oxygen System Modification
ST04446AT	Collins ADS-B Out System (E, R)
ST04455AT	Honeywell MK II ACARS/Data-Link

BOEING 757-200/-300

ST02761AT	Honeywell ELT Installation (E)
ST02780AT	Honeywell MK V EGPWS Installation. (E,V, C)
ST02896AT	Thales Kannad ELT Installation (V)
ST02929AT	Artex Model C406-1 ELT Installation (C, E, V, R)
ST03253AT	Honeywell MK II ACARS Installation (V, E)
ST03345AT	ELS/EHS Installation (B, C, E, M, R*, V)
ST03461AT	Runway Awareness and Advisory System (RAAS) (E)
ST03606AT	ICG ICS-120A/-200/-220 Iridium SATC/OM (E)
ST03659AT	EMS HSD-400 SATCOM
ST03678AT	Spectralux D-Link + ACARS (E, C)
ST03843AT	Collins ACARS (C)
ST03866AT	Imagik LCD Monitor Replacement
ST04014AT	Honeywell HFR5-V (SSCVR) (C)
ST04124AT	Collins Multi-Scan Dual Weather Radar (C)
ST04194AT	Collins ACARS w/ DATA-Link (E, C)
ST04420AT	Collins TCAS II, Version 7.1
ST04436AT	Collins GLU-2100 MMR Upgrade (E, C, V)
ST04459AT	Collins ADS-B Out (E)
ST04478AT	Collins ADS-B Out with GPS 4000(s)

BOEING 767-200/-300

ST02019AT	Interior Reconfiguration (30FC/191TC) (E, B)
ST02761AT	Honeywell ELT Installation (E)
ST02788AT	ACSS T2CAS Provisions
ST02869AT	Interior Reconfiguration (290 Pax, All Tourist) (E)
ST02896AT	Thales Kannad ELT Installation (V)
ST02929AT	Artex Model C406-1 ELT Installation (E, C, V, B, R)
ST03003AT	Honeywell MK V EGPWS Installation (B, E, C)
ST03345AT	ELS/EHS Installation (B, C, E, M, R*, V)
ST03462AT	Runway Awareness and Advisory System (RAAS) (E)

BOEING 767-200/-300 (continued from page 5)

ST03484AT	Honeywell MCS4000/7000 SATCOM System Installation
ST03485AT	EMS HSD-400 SATCOM System Installation
ST04123AT	ADS-B System Installation (C)

BOEING 767-200/-300

ST04125AT	LED Lights Installation
ST04128AT	Business Class Reconfiguration in the Main Cabin
ST04139AT	Iridium Satellite Communication (SATCOM) (E, C)
ST04140AT	Collins ACARS (includes B767-400ER) (E, C)
ST04142AT	Data Link Recording Capability Activation No ICA
ST04195AT	ACSS ADS-B Out w/ CMC Electronics GPS
ST11210SC	LED Cabin Lighting
ST04358AT	Collins ADS-B Out (C, E, B, M, R*)
ST04401AT	Honeywell MK II ACARS/Data-Link
ST04442AT	Collins ADS-B OUT with GPS 4000(S) (U)
ST04436AT	Collins GLU-2100 MMR Upgrade (E, C, V)

BOEING 767-400ER

ST04358AT	Collins ADS-B Out (R*)
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BOEING 777

ST02929AT	Artex Model C406-1 ELT Installation (E, V, R)
ST03619AT	Honeywell HD-710 High-Speed Data Terminal/ High Power Amplifier
ST03918AT	Honeywell MCS-7200 SATCOM System (E)
ST03983AT	Cobham HGA-7001 SATCOM Antenna System (E, H, R)
ST03980AT	Honeywell MCS7147 SATCOM System (E, H, R)
ST04436AT	Collins GLU-2100 MMR Upgrade (E, C, V)
ST0408NY	Tapestry LED Lighting Installation

BOMBARDIER CRJ-100/-200/-440

ST03655AT	ACARS Data Printer (V)
ST03663AT	Artex Model C406-2 ELT (C, V)
ST03722AT	8.33 kHz Spacing VHF Communication
ST03724AT	Collins FMS-4200
ST03729AT	Avtech SELCAL
ST03732AT	Dual IRS
ST03733AT	Collins HF
ST03906AT	ACL/NAV LED Light Installation (E, C)
ST03964AT	EMTEQ Tow Guard ACS/NAI

BOMBARDIER CRJ-700/-900

ST03663AT	Artex Model C406-2 ELT (C, V)
ST04399AT	B/E Aerospace/EMTEQ LED Lavatory Lights

CASA-212

ST03558AT	Collins TCAS 4000 and Dual Mode-S Installation
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DORNIER 328

ST03911AT	Honeywell MK V EGPWS Installation
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EMBRAER EMB-120

ST03022AT	Sandel ST3400 TAWS Installation (E, B)
ST03375AT	Garmin 165 GPS Installation
ST02660NY-D	Collins TCAS-94
ST02661NY-D	Honeywell CAS-67A TCAS II

FAA APPROVED MODEL LIST (AML)

ST02761AT	Honeywell RESCU 406AF ELT
ST02896AT	Thales Kannad Model 406AF ELT
ST02929AT	Artex Model C406-1 ELT (Reference each aircraft type for validations)
ST03345AT	ELS/EHS Installation (B, C, E, M, R*, V)
ST03394AT	DMP-100/-200 Digital Media Player (Cabin Briefer) (E)
ST03663AT	Artex Model C406-2 ELT (C, V)
ST04436AT	Collins GLU-2100 MMR Upgrade - Boeing (E, C, V)
ST04520AT	Collins GLU-2100 MMR Upgrade - Airbus (E)

FOKKER F-100

ST02896AT	Thales Kannad ELT Installation (E)
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FOKKER F-27

ST02592AT	ACSS Dual Mode S and TCAS with TAWS Provisions
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FOKKER F-50

ST02120AT	AlliedSignal Mode-S and TCAS Installation
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HAWKER BEECHCRAFT KINGAIR

SA03669AT	Seat Warmer System Installation (C)
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LOCKHEED 382 E/G

ST02771AT	Honeywell EGPWS Installation (E)
ST02772AT	Honeywell Mode S and TCAS Installation (E)
ST02773AT	Honeywell Trimble HT 9000 GPS Installation (E)
ST03595AT	Flight Components LED Anti-Collision Light (ACL)
Pending	Hamilton Sundstrand Electronic Propeller Control System (EPCS)

LOCKHEED L-1011

ST00970AT	Collins Forward Looking Radar System
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MCDONNELL DOUGLAS DC-6

ST02962AT	BFGoodrich 791A TCAS-I Installation
ST02963AT	Collins ALT-55B Radio Altimeter Installation
ST02965AT	Collins PN-101 Compass Installation

MCDONNELL-DOUGLAS DC-8

SA155SO	Cockpit Voice Recorder Installation
SA613SO	FD-109 Flight Director Retrofit, Speed Command, Air Data and Autothrottle System Installation
ST449SO	Honeywell Air Data System Retrofit

MCDONNELL DOUGLAS DC-9-10/-20/-30/-40/-50

ST02876AT	Free Flight 2101 I/O GPS, Universal 640 MFD & Prov. for ACSS
ST02896AT	Thales Kannad ELT Installation (E)
ST02929AT	Artex Model C406-1 ELT Installation (E, R)
ST03735AT	115V AC LED Washlight Installation

MCDONNELL DOUGLAS C-9B/VC-9C

ST03481AT	Artex Model C406-N ELT Installation
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MCDONNELL-DOUGLAS DC-10-30

ST02896AT	Thales Kannad ELT Installation
ST02929AT:	Artex Model C406-1 ELT Installation (E, R*)

MCDONNELL-DOUGLAS KC-10

ST03367AT	Dual Artex Model C406-N ELT Installation
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MCDONNELL DOUGLAS MD-11

ST02896AT	Thales Kannad ELT Installation
ST02929AT	Artex Model C406-1 ELT Installation (E, R*)
ST03516AT	Artex Model C406-N ELT Installation

MCDONNELL DOUGLAS MD-80/-90 SERIES

ST02761AT	Honeywell ELT Installation (E)
ST02896AT	Thales Kannad ELT Installation (E)
ST02928AT	Honeywell EGPWS Installation (V)
ST02929AT	Artex Model C406-1 ELT Installation (E, V, R*)
ST03276AT	Honeywell MK II ACARS Installation (V)
ST03988AT	EMTEQ LED Lights

PILATUS PC-12

SA03097AT	Installation of EMTEQ Interior Lighting and Air Gaspers (C)
ST03660AT	Flight Components LED Position Lights (E, C)

SAAB 340B

ST03497AT	ADS-B Installation
ST03548AT	FMS GPS Redundant Signal Installation

SABRELINER

ST04183AT	Honeywell CAS-100B TCAS 7.1
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SHORTS 360

ST03536AT	UNS-1L FMS/GPS Installation
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DESIGNATORS

- A** Argentina STC Validation
- B** Brazil STC Validation
- C** Canada STC Validation
- D** Mexican DGCA Validation
- E** EASA STC Validation
- H** Hong Kong Validation
- M** Malaysian Validation
- R** Russia Validation
- U** Ukraine STC Validation
- V** China STC Validation
- *** STC Validation Pending
- #** 365 Aerospace EASA STC, FAA Validated

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