

**Approved Model List (AML) For**

**Installation of the CG100P Connected Gateway  
on Part 23 Aircraft**

**Peregrine**

**STC No. SA09886AC**

FAA Approved:



Jim Grigg


Manager, Fort Worth ACO Branch  
Compliance & Airworthiness Division  
Federal Aviation Administration

Original Issue: February 8, 2018

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**1. Revision Log**

<b>Revision</b>	<b>Pages</b>	<b>Description</b>	<b>FAA Approval</b>	<b>Date</b>
IR	i-ii, & 1-5, inclusive	Initial Release	<p>//Signed by  Jim Grigg Manager, Fort Worth ACO Branch Compliance &amp; Airworthiness Division Federal Aviation Administration</p>	Original Issue February 8, 2018

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## **2. Introduction**

This document is the Federal Aviation Administration (FAA) Approved Model List (AML) for Supplemental Type Certificate (STC) Number SA09886AC, for Installation of the CG100P Connected Gateway on Part 23 Aircraft into eligible aircraft. Approved models are listed in Section 4.

This AML is only applicable to the 14 CFR Part 23 civilian aircraft, listed in Section 5. Installations in 14 CFR unlisted Part 23, Part 25, Part 27 and Part 29 rotorcraft are not authorized under this AML.

Revisions to this AML must be coordinated between the STC holder and the responsible Aircraft Certification Office (ACO), and require FAA approval.

### **2.1. Prerequisites**

This AML assumes the following equipment is already installed on each rotorcraft eligible for this proposed modification. The equipment must be properly linked to meet the intended function for the system, as certified under this AML approval.

- a. BendixKing AeroVue system

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**2.2. Specific Limitations**

The following specific limitations apply to this AML STC:

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**3. Certification Basis**

The certification basis for each qualified model is specified in the type certificate data sheet (TCDS) and modified by the amendment levels noted in Appendix A.

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**4. Approved Model List**

Item	Aircraft Make	Aircraft Model	TCDS	Certification Basis	Master Drawing List / Date	RFM Supplement Number / Date	Instructions for Continued Airworthiness	Notes	Initial Approval / Amendment Date
1.	Textron Aviation Inc	200, B200	A24CE	14 CFR 23 per TCDS	Peregrine Doc. No. E-BK-16-0002 Initial Release, dated 8/17/2017, or later FAA approved revision.	Peregrine Doc. No. E-BK-16-0009 Initial Release, dated 9/7/2017, or later FAA approved revision.	Peregrine Doc. No. E-BK-16-0008 Initial Release, dated 7/22/2017, or later FAA approved revision.		February 8, 2018

**NOTES:**  
(1)

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**Appendix A: All Models**

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

- a. As determined by the Type Certificate Data Sheet (TCDS) of the aircraft for parts **not changed or not affected** by this STC.
- b. Regulations at the amendment levels listed in Table 1 below for parts **changed or affected** by the STC since the reference date of application, November 2016.

**Table 1: Certification Basis Including Amendments**

<b>Regulations</b>	<b>Title</b>	<b>Amdt.</b>
<b>Part 23: Airworthiness Standards: Normal, Utility, Acrobatic and Commuter Category Airplanes</b>		
<b>Subpart C – Strength Requirements</b>		
GENERAL		
§ 23.301	Loads.	23-48
§ 23.303	Factor of safety.	23-0
§ 23.305	Strength and deformation.	23-45
§ 23.307(a)	Proof of structure.	23-0
FLIGHT LOADS		
§ 23.337	General.	23-48
§ 23.341	Gust load factors.	23-48
GROUND LOADS		
§ 23.473	Ground load conditions and assumptions	23-48
EMERGENCY LANDING CONDITIONS		
§ 23.561(b)(3)	General.	23-62
<b>Subpart D – Design and Construction</b>		
GENERAL		
§ 23.601	General.	23-0
§ 23.603	Materials and workmanship.	23-23
§ 23.605(a)	Fabrication methods.	23-23
§ 23.607	Self-locking nuts.	23-48
§ 23.609	Protection of structure.	23-0
§ 23.611	Inspection provisions.	23-48
STRUCTURAL PARTS		
§ 23.613	Material strength properties and design values.	23-45
§ 23.619	Special factors.	23-7
§ 23.625	Fitting factors.	23-7
ELECTRICAL BONDING AND LIGHTNING PROTECTION		
§ 23.867(a)(b)(1)	Electrical bonding and protection against lightning and static electricity.	23-49
<b>Subpart F – Equipment</b>		
§ 23.1301 (a)(b)(c)	Function and installation.	23-62
§ 23.1309 (a)(b)	Equipment, systems, and installations	23-62
ELECTRICAL SYSTEMS AND EQUIPMENT		
§ 23.1351 (a)(b)(1)	General.	23-49
§ 23.1357 (a)(b)(c)	Circuit protective devices.	23-43
§ 23.1359 (a)(b)(c)	Electrical system fire protection.	23-49
§ 23.1365 (a)(b)(d)(e)	Electric cables and equipment.	23-49
§ 23.1367	Switches.	23-0
MISCELLANEOUS EQUIPMENT: INSTALLATION		
§ 23.1431 (a)(b)	Electronic equipment.	23-62