



## **DESIGN AUTHORIZATION DATA SHEET Nº ERPAS-9123852-00**

Authorization Holder:

### **TECNOSAT COMERCIO IMPORTAÇÃO E EXPORTAÇÃO LTDA**

Avenida José Eustáquio de Melo, 1207

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CEP 38046-370

Brazil

ERPAS-9123852-00  
Sheet 01

TECNOSAT  
TRINITY F90+

29 Sep 2023

This data sheet, which is part of Design Authorization Process No. 00066.015580/2021-16, prescribes conditions and limitations under which the product, for which the Design Authorization was issued, meets the requirements of the Brazilian Civil Aviation Special Regulation RBAC-E Nº 94, Amdt. 02, Subpart E.

### **I - Model TRINITY F90+, authorized in 29 Sep. 2023.**

**RPAS** This is a Remotely Piloted Aircraft System (RPAS) that is comprised of a Remote Piloted Aircraft (RPA) and a Remote Pilot Station (RPS).

**RPA**

Type:	Fixed-wing, VTOL.
Span:	2,39 m (7,84 ft).
Height:	0,53 m (1,73 ft).
MTOW:	5,5 kgf.
Maximum payload weight:	1,0 kgf.
Maximum height:	120 m (400 ft) AGL.
Maximum operating altitude:	1500 m (4920 ft) AMSL.
Airspeed limits:	$V_{CRUISE} = 18$ m/s (35 kn). $V_{MIN} = 14$ m/s (27 kn). $V_{NE} = 35$ m/s (68 kn).
Maximum distance:	4 km.

**RPS** QBase 3D.  
Type: Software for flight planning and flight execution.  
RPS software version: v2.33, or later approved version.

QBase Modem.  
Type: Ground Modem for datalink connection.

**C2 LINK** ANATEL Homologation Certificate: 17008-23-14703.

**FLIGHT LIMITATIONS**

1. Daylight in Visual Meteorological Conditions (VMC), airspace approved by DECEA Flight Authorization.
2. Beyond visual line of sight (BVLOS) up to 4 km (2.16 NM) from take-off point.
3. Wind resistance: up to 12 m/s (23 kts) in cruise.
4. Operation is permitted in non-urban areas.
5. The use of remote controller for BVLOS operations is prohibited.
6. Simultaneous operation of multiple RPA by a single remote pilot from a single remote pilot station is prohibited.

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<b>SERIAL NUMBERS APPROVED</b>	All serial numbers eligible for BVLOS authorization (See NOTE 1, NOTE 2 and NOTE 3).
<b>AUTORIZATION BASIS</b>	Brazilian Civil Aviation Special Regulation RBAC-E No. 94 Amdt 02, Subpart E, dated 30 November 2022.
<b>MANUALS</b>	Trinity F90+ Manual de Operação BVLOS, v1.0, Sep 2023, or later. Trinity F90+ User Manual, v2.3.0.55, Dec 2022, or later.
<b><u>NOTES:</u></b>	
<b>NOTE 1</b>	A declaration of conformity, issued by the Authorization Holder, must be provided for each remote aircraft to obtain Airworthiness Certificate for BVLOS flights.
<b>NOTE 2</b>	BVLOS operations and the issuance of a declaration of conformity are exclusively granted to the RPAS that adhere to the authorized configuration list outlined in the Trinity F90+ Manual de Operação BVLOS, v1.0 or later approved version.
<b>NOTE 3</b>	For BVLOS operations, it is mandatory for the aircraft to embody the anti-collision lighting system, as indicated in the Trinity F90+ Manual de Operação BVLOS, v1.0.
<b>NOTE 4</b>	The RPAS shall be operated and maintained under RBAC No. E-94 and in accordance with Trinity F90+ Manual de Operação BVLOS, v1.0, dated Sep 2023, or later ANAC approved revision.
<b>NOTE 5</b>	The operation shall also be conducted in accordance with DECEA applicable regulations.

[Document issued by ANAC Letter nº 1128/2023/GTPR/GCPP/SAR-ANAC, SEI 9123852]

**MÁRIO IGAWA**

**Gerente de Certificação de Projeto Produto Aeronáutico  
(Manager, Aeronautical Product Design Certification)**

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