



## **DESIGN AUTHORIZATION DATA SHEET Nº ERPAS-6680981**

Authorization Holder:

### **SPEEDBIRD VEICULOS AEREOS NÃO TRIPULADOS S/A**

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ERPAS-6680891-03

Sheet 01

SPEEDBIRD

DLV-1 NEO

31 Oct 2023

This data sheet, which is part of Design Authorization Process No. 00066.005106/2021-78, 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. 03, Subpart E.

### **I - Model DLV-1 NEO, authorized in Jan 2022.**

<b>RPAS</b>	This is a Remotely Piloted Aircraft System (RPAS) that is comprised of a Remote Piloted Aircraft (RPA), a Remote Pilot Station (RPS) and Droneports.
<b>RPA</b>	Type: Multicopter, Hexacopter. Span: 1.512 mm (59,5 in). Height: 655 mm (21,4 in). Empty weight: 10,75 kg MTOW: 13,25 kg. Maximum payload weight: 2,5 kg Maximum operating altitude/height: 120 m (400 ft) AGL. Airspeed limits: V <sub>CRUISE</sub> : 50 km/h (18,35 KIAS). V <sub>MAX</sub> : 65 km/h (19,44 KIAS).
<b>C2 LINK (RPA)</b>	Speedbird DLV-1 NEO C2 System. Speedbird PN: 32313002 ANATEL Homologation Certificate: 07669-19-02618. SpeedBird PN: 32313007 ANATEL Homologation Certificate: 07669-19-02618.
<b>RPS</b>	Speedbird DLV-1 NEO Remote Pilot Station. Type: PC compatible running the software Cloud Control Station, Wi-Fi connection to 5GHz Router. Joystick Controller Logitech F310 - Speedbird PN 74000010 Flight planning & execution software: Cloud Control Station v2.3 or later approved version.
<b>C2 LINK (RPS)</b>	Speedbird PN: 32300001 ANATEL Homologation Certificate: 06949-17-04809.
<b>SUPPORT EQUIPMENT</b>	Speedbird Aruco Marker - PN 18520001 Reflector, Speedbird PN 38500009

**FLIGHT  
LIMITATIONS**

1. Visual Meteorological Conditions (VMC), airspace approved by DECEA Flight Authorization.
2. Beyond visual line of sight (BVLOS) up to **7.0 km (one-way) or 4.0km (roundtrip) (3,8 NM)** from Remote Pilot Station **or Local Staff**. Maximum range must respect limitations as per Manual de Operação RPAS SPD-DLV1NEO-OPS as a function of cruise altitude.
3. Wind resistance: up to **12 m/s (25 kts) gusts**.
4. **VLOS / EVLOS / BVLOS** Operation requires a lateral ground clearance of **30 m (180 ft)** from planned route to third parties and ground obstacles, **unless otherwise allowed by a valid waiver**.
5. **Planned drone pads must be at least 50 m (330 ft) away horizontally and 20m vertically from possible sources of electromagnetic interference (Radio / TV antennas, power lines, etc.)**.
6. Operation with any inoperative (or missing) instruments or equipment is prohibited.
7. Simultaneous operation of multiple RPA by a single remote pilot from a single remote pilot station is prohibited.
8. **In case of failure of one of the engines, with the aircraft stabilized in flight, the operation must be aborted, followed by an immediate procedure for a safe landing. There must be a procedure for recording and reporting the engine failures occurring in service.**

**SERIAL NUMBERS  
ELIGIBLE**

All serial numbers eligible for BVLOS authorization.

**AUTHORIZATION  
BASIS**

Brazilian Civil Aviation Special Regulation RBAC-E No. 94 Amdt 00, Subpart E, dated 3 May 2017.

**MANUAL**

Speedbird Manual de Operação No. RPAS SPD-DLV1NEO-OPS Rev. "4", dated Oct. 2022, or later.

**CHANGE RECORD**

Revision	Changes	Date
Rev. 00	Original Issue	20 January 2022
Rev. 01	Approval for night flights	16 August 2022
Rev. 02	Hardware and software updates and change of DADS format	17 March 2023
<b>Rev. 03</b>	<b>New propulsion system, hardware, and software updates</b>	<b>31 Oct 2023</b>

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This DADS é available at ANAC website:

<https://www.gov.br/anac/pt-br/assuntos/drones/projetos-autorizados>