

**REPUBLIC OF INDONESIA**  
**MINISTRY OF TRANSPORTATION**  
**DIRECTORATE GENERAL OF CIVIL AVIATION**

***Certificate of Approval***

**Number : 145D – 1003**

This certificate is issued to : **PT. SMART CAKRAWALA AVIATION**

Whose business address is : **Smartdeal Building 4<sup>th</sup> Floor, Jalan Cideng Timur,  
No. 16A, Petojo Utara, Gambir Jakarta Pusat,  
10130 – Indonesia.**

Upon finding that this organization complies in all respects with the requirements of the Civil Aviation Safety Regulations relating to the establishment of an approved organization, and empowered to operate as an :

**APPROVED MAINTENANCE ORGANIZATION**

With the following ratings : - **Limited Airframe;**  
- **Limited Powerplant;**  
- **Limited Propeller;**  
- **Limited Radio Equipment;**  
- **Limited Instrument;**  
- **Limited Accessories;**  
- **Limited Specialized Services;**  
- **Limited Nondestructive Inspection, Testing and Processing.**

This approval is not transferable and shall continue until expired, unless cancelled, suspended or revoked by the Director General; and any major change in the basic facilities, or in the location thereof, shall immediately be reported to the Director General.

Jakarta, 21 January 2023

**DIRECTOR GENERAL OF CIVIL AVIATION**



**M. KRISTI ENDAH MURNI**

**Expiry Date :  
12 December 2026**

*Amendment 1.*

*Superseded Certificate of Approval 145D-1003 date 28 December 2021*



**MINISTRY OF TRANSPORTATION  
DIRECTORATE GENERAL OF CIVIL AVIATION**

Office Complex, C3 St. Soekarno – Hatta International Airport, Tangerang, Banten 15126  
Telp. : (+6221) 225 66288, (+6221) 226 08887 Fax : (+6221) 225 66399  
website: hubud.dephub.go.id; e-mail: daao\_dgca@dephub.go.id

**OPERATIONS SPECIFICATIONS**

Name of Organization : **PT. SMART CAKRAWALA AVIATION**

Number of Approval : **145D – 1003**

Date of issuance : **14** February 2023

Amendment : **02**

**A001 – ISSUANCE AND APPLICABILITY**

a. These Operation Specifications (Opspec) are issued to:

Name of Organization : **PT. SMART CAKRAWALA AVIATION**

DBA : **-**

Mailing Address : Smartdeal Building 4<sup>th</sup> Floor,  
Jalan Cideng Timur No. 146A Petojo Utara, Gambir  
Jakarta Pusat, 10130 – Indonesia

Telephone : **(+62) 21 6305 210**

Facsimile : **(+62) 21 6324 873**

Facility Location : Hangar Smart Aviation, Bandar Udara Khusus Smart Semelangi  
Demang Akub, RT. 10 Semelangi Kecil, Singkawang Utara,  
Kalimantan Barat, Indonesia.

b. These Operations Specifications are issued as part of this AMO Certificate of Approval and are in effect as of the date approval is effective. This certificate and these Operation Specifications shall remain in force for such period as determined by the DGCA unless the certificate holder surrenders the certificate or the DGCA suspends or revokes it.

c. The certificate holder is authorized to use the business name described in this operation specification sub paragraph a.

On Behalf of Director General Of Civil Aviation

  
**M. MAULUDIN**  
Director of Airworthiness And Aircraft Operation





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Amendment : **02**

**A002 – RATINGS AND LIMITATIONS**

The Certificate Holder is authorized the following Ratings and/or Limitations:

**LIMITED RATINGS**

**1. AIRFRAME**

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Cessna Textron	C208 Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.
Airbus Helicopter	- EC130T2 - AS350 Series (H125) - AS355	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.
Bell Textron	Bell 412 Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.
Messerschmitt-Bolkow-Blohm (MBB)/Kawasaki Heavy Industries	BK117C2	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.

**2. POWERPLANTS**

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Pratt & Whitney	- PT6A-114, 114A and -140 - PT6T Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.
Safran Turbomeca	- Arriel 2 - Arrius 1 - Arriel 1	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.
Rolls Royce	Allison 250 Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability List as amended.

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**OPERATIONS SPECIFICATIONS**

Name of Organization : **PT. SMART CAKRAWALA AVIATION**

Date of issuance : **7 February 2023**

Number of Approval : **145D – 1003**

Amendment : **02**

**A002 – RATINGS AND LIMITATIONS (Con't)**

**3. LIMITED PROPELLER**

**Manufacturer**

**Make/Model**

**Limitations**

McCauley Propeller  
System

As listed in the current accepted  
capability list of PT. Smart  
Cakrawala Aviation

Limited Inspection, repair up to and test of  
radio in accordance with current  
manufacturer's technical data or other  
DGCA approved technical data.

Hartzell Propeller Inc.

As listed in the current accepted  
capability list of PT. Smart  
Cakrawala Aviation

Limited Inspection, repair up to and test of  
radio in accordance with current  
manufacturer's technical data or other  
DGCA approved technical data.

**4. RADIO EQUIPMENT**

**Manufacturer**

**Make/Model**

**Limitations**

As listed in the current  
accepted capability list of  
PT. Smart Cakrawala  
Aviation

As listed in the current accepted  
capability list of PT. Smart  
Cakrawala Aviation

Limited Inspection, repair up to and test of  
radio in accordance with current  
manufacturer's technical data or other  
DGCA approved technical data.

**5. INSTRUMENT**

**Manufacturer**

**Make/Model**

**Limitations**

As listed in the current  
accepted capability list of  
PT. Smart Cakrawala  
Aviation

As listed in the current accepted  
capability list of PT. Smart  
Cakrawala Aviation

Limited Inspection, repair up to and test of  
radio in accordance with current  
manufacturer's technical data or other  
DGCA approved technical data.

**6. ACCESSORIES**

**Manufacturer**

**Make/Model**

**Limitations**

As listed in the current  
accepted capability list of  
PT. Smart Cakrawala  
Aviation

As listed in the current accepted  
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Amendment : **02**

**A002 – RATINGS AND LIMITATIONS (Con't)**

**7. NON DESTRUCTIVE INSPECTION, TESTING AND PROCESSING**

<u>Method</u>	<u>Specification</u>	<u>Limitations</u>
Eddy Current Inspection	ASTM E 1004 as revised	All Non Destructive Inspection personnel will be qualified and certificated in accordance with NAS – 410 or EN4179 as revised, in addition, all work will be performed in accordance with manufacturer maintenance manual and other data accepted and approved by the DGCA.
Ultrasonic Inspection	ASTM E 587 & ASTM E 797 as revised	
Fluorescent Penetrant Inspection	ASTN E 1417, E 1209 & E 1210 as revised	
Magnetic Particle Inspection	ASTM E 1444 & E 709 as revised	

**8. SPECIALIZED SERVICES**

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Borescope Inspection	As accepted method by the current publication	All work shall be conducted in accordance accepted capability list no. SCA/TEK/3-002, as amended

**A003 – EXEMPTIONS**  
**-NONE-**

On Behalf of Director General Of Civil Aviation

  
**M. MAULUDIN**  
Director of Airworthiness And Aircraft Operation



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Amendment : **00**

**A005 – ADDITIONAL FIXED LOCATIONS**

This certificate holder is authorized to perform work at a place other than its primary fixed location as listed in paragraph A001 of these Operation Specifications.

No.	Location	AMO Manual Reference
1	Hangar Smart Aviation, Bandar Udara Dou Aturure, Jl. Trikora, Morgo, Kec. Nabire, Kabupaten Nabire, Papua, Indonesia	AMO Manual Chapter 3.1.4
2	Bengpus Penerbad, Jl. Kalibanteng Kulon, Semarang, Indonesia	AMO Manual Chapter 3.1.4
3	Workshop Smart Cakrawala Aviation, Komplek Pergudangan Aeropolis Cluster C kode unit WH.E.S 28 & WH.E.S 30, Selapajang Jaya, Neglasari, Tangerang, Banten, Indonesia	AMO Manual Chapter 3.1.4
4	Hangar Politeknik Penerbangan Indonesia, Jalan PLP Curug, Tangerang, Banten, Indonesia – 15820	AMO Manual Chapter 3.1.4

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**OPERATIONS SPECIFICATIONS**

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Date of issuance : **31 January 2023**  
Amendment : **00**

**A006 – WORK TO BE PERFORMED AT A PLACE OTHER THAN THE AMO'S FIXED LOCATION**

The certificate holder is authorized to perform work on recurring basis at location other than the fixed location, and the certificate holder may accomplish this by temporarily transporting material, equipment, and personnel to perform specific maintenance functions at other location in accordance with AMO Manual.

Work Authorized	AMO Manual Reference	Quality Control Manual Reference
Borescope	AMO & QCM Chapter 8.13	AMO & QCM Chapter 8
Hot Section Inspection	AMO & QCM Chapter 8.13	AMO & QCM Chapter 8.13

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Amendment : 00

**A007 – LINE MAINTENANCE AUTHORIZATION**

The Certificate Holder is authorized to perform line maintenance for operator under CASR Part 121 and 135 and for foreign air carriers or foreign persons operating an Indonesian registered aircraft operating under CASR part 129 as listed following table :

Name of Operator	Aircraft Make & Model	Location	Limitation
Smart Aviation	C208B Series	Operation Area	Line Maintenance including defect rectification limited to Line Replacement Unit (LRU) in accordance with Operator Maintenance Program.
	R66		
	EC130T2		
	Bell 412		

On Behalf of Director General Of Civil Aviation



**M. MAULUDIN**

Director of Airworthiness And Aircraft Operation