

REPUBLIC OF INDONESIA
MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION

Certificate of Approval

Number : 145F -1109

This certificate is issued to : **Asia Digital Engineering Sdn, Bhd (ADE)**

Whose business address is : **REDQ, Jalan Pekeliling 5, Lapangan Terbang
Antarabangsa Kuala Lumpur (KLIA2) 64000 KLIA Selangor
Darul Ehsan MALAYSIA**

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 Airframes;
 - Limited Powerplants;
 - Limited Radio Equipment;
 - Limited Instrument;
 - Limited Accessories;
 - Limited Emergency Equipment;
 - Limited Landing Gear System;
 - Limited Non Destructive Test

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, 15 February 2023

DIRECTOR GENERAL OF CIVIL AVIATION



M KRISTI ENDAH MURNI

Expiry Date :
1 March 2028



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

Office Complex Soekarno-Hatta International Airport, C3 St., Tangerang, Banten- Indonesia

Telp.: (+6221) 225 66288, (+6221) 256 08887 Fax. : (+6221) 225 66399

Website : hubud.dephub.go.id; e-mail: daao_dgca@dephub.go.id

OPERATION SPECIFICATIONS

Name of Organization: ASIA DIGITAL ENGINEERING

Number of Approval : 145F – 1109

Date of issuance : 10 October 2024

Amendment : 1

A001 – ISSUANCE AND APPLICABILITY

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

Name of Organization : Asia Digital Engineering Sdn, Bhd

DBA : Asia Digital Engineering [ADE]

Mailing Address : RedQ, Jalan Pekeliling 5, Lapangan Terbang Antarabangsa
Kuala Lumpur [KLIA 2] 64000 KLIA Selangor Darul Ehsan
Malaysia

Telephone : +603 8660 4333

Facsimile : +603 8660 7777

Facility Location : 1. ADE Hangar A, Jalan KLIA S7, 64000
Lapangan Terbang Antarabangsa Kuala Lumpur (KLIA)
Selangor Darul Ehsan, Malaysia
2. AIROD Aerospace Technology – Hangar Facility
Hangar 75, Jalan Lapangan Terbang Subang, 47200
Subang, Selangor, Malaysia
3. Senai Hangar Facility, Hangar 3 and 4,
Senai Airport Aviation Park, Senai International
Airport Johor Bahru, Johor
4. Workshop Redchain
Redchain Kejuruteraan dan logistic
Jalan KLIA S3, Southern Support Zone, KLIA 64000
Sepang, Selangor, Malaysia

b. These Operation 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 subparagraph a.

On Behalf of Director General of Civil Aviation



M MAULUDIN

Director of Airworthiness And Aircraft Operations



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Amendment : 2

A002 – RATINGS AND LIMITATIONS

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

LIMITED RATINGS

1. AIRFRAME

Manufacturer

Make/Model

Limitations

Airbus

A320-200 series

Inspection, Maintenance, Repair and Alteration in accordance with the Asia Digital Engineering Sdn, Bhd capability document No. ADE/CLINDO/M/01 as amended.

A330-300 series

Inspection, Maintenance, Repair and Alteration in accordance with the Asia Digital Engineering Sdn, Bhd capability document No. ADE/CLINDO/M/01 as amended

2. POWERPLANT

Manufacturer

Make/Model

Limitations

CFM International

CFM 56 series

On Wings Maintenance in accordance with Asia Digital Engineering capability list document No. ADE/CLINDO/M/01 as amended

CFM LEAP 1A

Engine storage excluding engine preservation in accordance with Asia Digital Engineering capability list document No. ADE/CLINDO/M/01 as amended

International Aero Engine

V2500-A5

On Wings Maintenance in accordance with Asia Digital Engineering capability list document No. ADE/CLINDO/M/01 as amended

Rolls Royce

TRENT 700

On Wings Maintenance in accordance with Asia Digital Engineering capability list document No. ADE/CLINDO/M/01 as amended

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A002 – RATINGS AND LIMITATIONS (Cont'd)

LIMITED RATINGS

3. RADIO EQUIPMENT

Manufacturer

As listed in accepted
capability list document
No. ADE/CLINDO/M/01
as revised

Make/Model

As listed in accepted
capability list document
No. ADE/CLINDO/M/01
as amended

Limitations

Limited inspection , repair and testing as listed
in accepted capability list document No.
ADE/CLINDO/M/01 as amended

4. INSTRUMENT

Manufacturer

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Make/Model

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Limitations

Limited inspection , repair and testing as listed
in accepted capability list document No.
ADE/CLINDO/M/01 as amended

5. ACCESSORIES

Manufacturer

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Make/Model

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Limitations

Limited inspection , repair and testing as
listed in accepted capability list document No.
ADE/CLINDO/M/01 as amended.

6. EMERGENCY EQUIPMENT

Manufacturer

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Make/Model

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Limitations

Limited inspection, testing, repair and
overhaul as listed in accepted capability list
document No. ADE/CLINDO/M/01 as
amended.

7. LANDING GEAR COMPONENTS

Manufacturer

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Make/Model

As listed in accepted
capability list document No.
ADE/CLINDO/M/01 as
revised

Limitations

Limited inspection , repair and testing as
listed in accepted capability list document No.
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A002 – RATINGS AND LIMITATIONS (Cont'd)

LIMITED RATINGS

8. NONDESTRUCTIVE, INSPECTION, TESTING and PROCESSING

Type	Reference	Limitations
Fluorescent Penetrant Inspection (FPI)	ASTM E 1417M and AMS 2644 as revised	Limited to non-destructive inspection, testing and processing in according with the current manufacturer's technical data or other DGCA approved technical data.
Magnetic Particle Inspection (MPI)	ASTM E 1444M as revised	Limited to non-destructive inspection, testing and processing in according with the current manufacturer's technical data or other DGCA approved technical data.
Eddy Current Testing (ECT)	BS EN 15015549:2019 as revised	Limited to non-destructive inspection, testing and processing in according with the current manufacturer's technical data or other DGCA approved technical data.
Ultrasonic Testing (UT)	BS EN 15016810:2014 as revised	Limited to non-destructive inspection, testing and processing in according with the current manufacturer's technical data or other DGCA approved technical data.
Thermography	Airbus Non-Destructive Testing Manual as revised	Limited to non-destructive inspection, testing and processing in according with the current manufacturer's technical data or other DGCA approved technical data.

On Behalf of Director General of Civil Aviation


M MAULUDIN
Director of Airworthiness And Aircraft Operations



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Date of issuance : 13 July 2026
Amendment : 01

A003 – EXEMPTIONS

-- None --

A004 – DESIGNATED PERSONS

List of Designated person as contact persons:

No	Name	Job Title	Phone number & email address
1.	Mahesh Kumar A/L Jaya Kumar	Accountable Manager [CEO]	maheshkumarjayakumar@airasia.com +60169466494
2.	Zulkiffli Abdul Rahman	Head of Quality Assurance	zulkiffliarahman@airasia.com +60172990583
3.	Salleh Bin Mohamed	Head of Part 145	sallehmohamed@airasia.com +60192093773

On Behalf of Director General of Civil Aviation



SOKHIB AL ROKHMAN

Director of Airworthiness and Aircraft Operation



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

The certificate holder is authorized to perform work subject to paragraph A002 of this Opspec on special circumstances or on an emergency basis at a 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 company policy manual

Work Authorized	Quality Control Manual Reference
Non Destructive Test	MOE Part 1.9.6 Maintenance Instruction. MOE Chapter 1.4.19 Certifying Staff MOE Chapter 2. 5 Calibration Tools.
Borescope Inspection	

A007 – LINE MAINTENANCE AUTHORIZATION

The certificate holder is authorized to perform line maintenance for operator as listed following state

Name of Operator	Aircraf Make & Model	Location	Limitation
Indonesia Air Asia	A 320-200 series	KUL	Maintenance up to and including A Check
		PEN, LGK, BKI, KCH, JHB	Maintenance up to and including weekly check

On Behalf of Director General of Civil Aviation


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