

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Air Agency Certificate

Number V48Y426B

This certificate is issued to

VIETNAM AIRLINES ENGINEERING COMPANY LTD.
D/B/A VAECO

whose business address is
NOI BAI INTERNATIONAL AIRPORT,
NOI BAI COMMUNE
HANOI, VIETNAM

*upon finding that its organization complies in all respects
with the requirements of the Federal Aviation Regulations
relating to the establishment of an Air Agency, and is
empowered to operate an approved* REPAIR STATION

with the following ratings:

LIMITED - ENGINE
LIMITED - AIRFRAME
LIMITED - ACCESSORIES
LIMITED - NON-DESTRUCTIVE INSPECTION, TESTING & PROCESSING

*This certificate, unless canceled, suspended, or revoked,
shall continue in effect* UNTIL OCTOBER 31, 2026

Date issued:

ORIGINAL:
DECEMBER 31, 2010

By direction of the Administrator

ALTON K
CLARK

Digitally signed by ALTON K CLARK
Date: 2025.09.17 15:18:33 -0700

ALTON K. CLARK, MANAGER
LOS ANGELES INT'L FIELD OFFICE

This Certificate is not Transferable, AND ANY MAJOR CHANGE IN THE BASIC FACILITIES, OR IN THE LOCATION THEREOF,
SHALL BE IMMEDIATELY REPORTED TO THE APPROPRIATE REGIONAL OFFICE OF THE FEDERAL AVIATION ADMINISTRATION

~~Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both~~

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Operations Specifications

A001. Issuance and Applicability

HQ Control: 05/10/2024

HQ Revision: 05g

a. These operations specifications are issued to VIETNAM AIRLINES ENGINEERING COMPANY LTD, a Repair Station located outside the United States, pursuant to 14 CFR Part 145, § 145.53(a). The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:
Noi Bai International Airport
Noi Bai Commune

Hanoi
Viet Nam

Mailing Address:
Noi Bai International Airport
Noi Bai Commune

Hanoi
100000
Viet Nam

b. The holder of these operations specifications is the holder of certificate number V48Y426B and shall hereafter be referred to as the "certificate holder".

c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the expiration date on the issued certificate for a repair station that is located outside the United States unless previously surrendered, suspended, or revoked.

d. The repair station specified on these operation specifications does not perform maintenance and/or an alteration of aircraft and/or aeronautical products under a Bilateral Aviation Safety Agreement (BASA).

e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

VAECO

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Operations Specifications

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Sandoval, Jesse, Principal Avionics
Inspector (FS58)
[1] SUPPORT INFO: CH requested and address update.
[2] EFFECTIVE DATE: 9/11/2025,
[3] AMENDMENT #: 11
DATE: 2025.09.11 15:54:08 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in blue ink, appearing to read "Tien Dung Ha".

Tien Dung Ha, Director, Safety - Quality
Department

Date

15 SEP 2025

A002 . Definitions and Abbreviations

HQ Control: 12/14/2017

HQ Revision: 05d

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA	The Bilateral Aviation Safety Agreement (BASA) is an executive agreement concluded between the United States and a foreign country for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.
Certificate Holder	In these operations specifications, the term "certificate holder" means the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this certificate.
CAAS	Civil Aviation Authority of Singapore
CFR	Code of Federal Regulations
Class Rating	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
EASA	European Aviation Safety Agency
EASA Accountable Manager	The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by the EASA full-member Authority.
EU	European Union
Exemption	An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.
FOCA	Federal Office of Civil Aviation
FAA Accountable Manager	A person designated by the certificated repair station who is responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the primary contact with the FAA.

Geographic Authorization	Authorization provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station's main facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not warrant permanently staffing and equipping the station for its accomplishment.
Limited Rating	A rating issued to repair stations for the performance of maintenance on particular makes and models of airframes, powerplants, propellers, radios, instruments, accessories, and/or parts.
Limited Ratings - Specialized Services	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
Line Maintenance	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
MAG	The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.
Maintenance	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
U.S./EU Aviation Safety Agreement, Annex 2, Maintenance	Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.
MIP	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).
MOE	A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.

**Preventive
Maintenance**

As defined in 14 CFR part 1 and part 43 appendix A,
subparagraph (c).

QCM

Quality Control Manual

**Repair Station located
in the United States**

A FAA certificated repair station located in the United States.

**Repair Station located
outside the United
States**

A FAA certificated repair station located outside of the United States.

RSM

Repair Station Manual

-
1. Issued by the Federal Aviation Administration.
 2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Jesus R Gonzales, Principal Maintenance Inspector (FS58)
[1] EFFECTIVE DATE: 9/27/2021, [2] AMENDMENT #: 3
DATE: 2021.09.27 14:55:30 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in blue ink, appearing to read "Tien Dung Ha".

01 OCT 2021

Tien Dung Ha, Director, Quality Assurance Department Date

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Operations Specifications

A003. Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision: 01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

None authorized

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Airframe	Boeing	B777-200, B777-200ER	Limited to maintenance, preventive maintenance, alterations and inspections up to and including checks to be performed at every 24,000 Flight Hours or 6,000 days or 32,000 Cycles or equivalent.
Airframe	Boeing	B737-700/800	Limited to the performance of line maintenance type inspections/checks, servicing, and repairs.
Airframe	Boeing	B-787-9/10	Limited to maintenance, preventive maintenance, alterations and inspections up to and including checks to be performed at every 12,000 Flight Hours or 5,000 Cycles or 24 Months or equivalent.
Airframe	Airbus	A320 and A321 Series	None
Airframe	Airbus	A-350-900	None
Airframe	Airbus	A330-200, A330-300	Limited to maintenance, preventive maintenance, alterations and inspections up to and including checks to be performed at every 35,000 Flight Hours or 13,200 Cycles or 6 Years or equivalent.

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Operations Specifications

Rating	Manufacturer	Make/Model	Limitations
Engines	CFM International	CFM56 Series	Limited to the following maintenance, preventative maintenance or alterations on engines installed and/or removed from the aircraft. <ol style="list-style-type: none"> 1. Removal and installation of accessories from an engine. 2. Opening and closing of access panels, doors, cowling and nacelles as needed to gain access to the engine, controls or accessories. 3. Maintenance (excluding major repairs, alterations and overhaul) of engine accessories or component parts needed for engine operation, which may be removed from the engine and then reinstalled following maintenance.
Engines	International Aero Engines	V2500 Series	Limited to the following maintenance, preventative maintenance or alterations on engines installed and/or removed from the aircraft. <ol style="list-style-type: none"> 1. Removal and installation of accessories from an engine. 2. Opening and closing of access panels, doors, cowling and nacelles as needed to gain access to the engine, controls or accessories. 3. Maintenance (excluding major repairs, alterations and overhaul) of engine accessories or component parts needed for engine operation, which may be removed from the engine and then reinstalled following maintenance.
Engines	General Electric	GE90-94B, GE90-90B	Limited to the following maintenance, preventative maintenance or alterations on engines installed and/or removed from the aircraft. <ol style="list-style-type: none"> 1. Removal and installation of accessories from an engine. 2. Opening and closing of access panels, doors, cowling and nacelles as needed to gain access to the engine, controls or accessories. 3. Maintenance (excluding major repairs, alterations and overhaul) of engine accessories or component parts needed for engine operation, which may be removed from the engine and then reinstalled following maintenance.
Engines	General Electric	GENx-1B	Limited to the following maintenance, preventative maintenance or alterations on engines installed and/or removed from the aircraft. <ol style="list-style-type: none"> 1. Removal and installation of accessories from an engine. 2. Opening and closing of access panels, doors, cowling and nacelles as needed to gain access to the engine, controls or accessories. 3. Maintenance (excluding major repairs, alterations and overhaul) of engine accessories or component parts needed for engine operation, which may be removed from the engine and then reinstalled following maintenance.

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Operations Specifications

Rating	Manufacturer Make/Model		Limitations
Engines	Pratt & Whitney	PW4168, PW4168A, PW4170, PW4084D, PW4090, PW1100 series	Limited to the following maintenance, preventative maintenance or alterations on engines installed and/or removed from the aircraft. 1. Removal and installation of accessories from an engine. 2. Opening and closing of access panels, doors, cowling and nacelles as needed to gain access to the engine, controls or accessories. 3. Maintenance (excluding major repairs, alterations and overhaul) of engine accessories or component parts needed for engine operation, which may be removed from the engine and then reinstalled following maintenance.
Engines	Rolls Royce	Trent XWB	Limited to the following maintenance, preventative maintenance or alterations on engines installed and/or removed from the aircraft. 1. Removal and installation of accessories from an engine. 2. Opening and closing of access panels, doors, cowling and nacelles as needed to gain access to the engine, controls or accessories. 3. Maintenance (excluding major repairs, alterations and overhaul) of engine accessories or component parts needed for engine operation, which may be removed from the engine and then reinstalled following maintenance.
Accessories	From the Capability List, as amended.	From the Capability List, as amended.	Limited to maintenance as detailed in the approved Capability List, as amended.
Nondestructive Inspection, Testing, and Processing		Eddy Current	In accordance with AMS 2658, current manufacturer's maintenance manuals, NDT manuals as revised, or other data accepted/approved by the FAA. All Nondestructive Testing personnel qualifications and certification shall be in accordance with NAS 410 or equivalent.
Nondestructive Inspection, Testing, and Processing		Liquid Penetrant Inspection	In accordance with ASTM E1417, current manufacturer's maintenance manuals, NDT manuals as revised, or other data accepted/approved by the FAA. All Nondestructive Testing personnel qualifications and certification shall be in accordance with NAS 410 or equivalent.

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Operations Specifications

Rating	Manufacturer	Make/Model	Limitations
Nondestructive Inspection, Testing, and Processing		Magnetic Particle Inspection	In accordance with ASTM E1444, current manufacturer's maintenance manuals, NDT manuals as revised, or other data accepted/approved by the FAA. All Nondestructive Testing personnel qualifications and certification shall be in accordance with NAS 410 or equivalent.
Nondestructive Inspection, Testing, and Processing		Ultrasonic Inspection	In accordance with ASTM E317, current manufacturer's maintenance manuals, NDT manuals as revised, or other data accepted/approved by the FAA. All Nondestructive Testing personnel qualifications and certification shall be in accordance with NAS 410 or equivalent.

Limited Ratings - Specialized Services

Rating	Specifications	Limitations
None Authorized		

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Operations Specifications

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Sandoval, Jesse, Principal Avionics
Inspector (FS58)

[1] SUPPORT INFO: CH requested a change of rating
09/08/2025

[2] EFFECTIVE DATE: 9/8/2025,

[3] AMENDMENT #: 15

DATE: 2025.09.08 11:28:03 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

 10th Sept. 2025

Tien Dung Ha, Director, Safety - Quality
Department

Date

A004 . Summary of Special Authorizations and Limitations

HQ Control: 09/23/1998

HQ Revision: 010

a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

	Reference Paragraphs
Use an acceptable electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100

b. The certificate holder is *not authorized and shall not:*

	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	A060
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Perform safety-sensitive functions requiring a drug and alcohol testing program under 14 CFR part 120	A449
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
Perform line maintenance for cert. holders conducting operations under Parts 121 and 135 and for foreign carriers/persons operating non-U.S.-registered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station.	D107

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Adam N Pike, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: A001 Template change. Nonmandatory revision to Part 145
OpSpec A001 removes the "Delegated Authorities" data field and dropdown list,
which was previously located in the A001 template below subparagraph e, due to
having no regulatory requirement in Part 145. Revised by AFS-300 Aircraft
Maintenance Division. See Notice N8900.696 for further information.
[2] EFFECTIVE DATE: 6/17/2024, [3] AMENDMENT #: 2
DATE: 2024.06.17 18:01:44 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in blue ink, appearing to read "Tien Dung Ha".

19th Jun. 2024

Tien Dung Ha, Director, Quality Assurance Department Date

U.S. Department
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Operations Specifications

A007. Designated Persons

HQ Control: 09/08/2021

HQ Revision: 03a

a. The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 – Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized	Email Address
FAA Accountable Manager, 145 / CEO	HOAI, TRAN QUOC	A,D	hoaitranquoc@vietnamairlines.com
Quality Manager / Quality Manager	Le Viet, Thanh	A,D	thanhlv.vaeco@vietnamairlines.com

b. The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (InFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 – Designated to Receive InFO Messages

Name	Email Address	Telephone No.	Type of Information to Receive
Tran Quoc Hoai	hoaitranquoc@vietnamairlines.com	(84) 912069900	ALL
Le Viet Thanh	thanhlv.vaeco@vietnamairlines.com	(84) 986117095	ALL

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Operations Specifications

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Phillips, Stephen, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: Change in Quality Manager
[2] EFFECTIVE DATE: 10/29/2025,
[3] AMENDMENT #: 11
DATE: 2025.10.29 09:56:36 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

TRAN QUOC HOAI

TRAN QUOC HOAI, CEO

29 Oct 2025

Date

**A025 . Electronic/Digital Recordkeeping System,
Electronic/Digital Signature, and Electronic Media**

HQ Control: 04/03/2017

HQ Revision: 00b

a. The certificate holder is authorized to use an acceptable electronic/digital recordkeeping system, described and/or referenced in this paragraph (if none, enter N/A.)

RSQCM Chapter 14, Record keeping System, section 14.1 thru 14.5.6

b. The certificate holder is authorized the use of the following electronic/digital signature procedures (if none, enter "N/A").

N/A

c. The certificate holder is authorized to use electronic media for the repair station and quality control manuals, if acceptable (if none, enter "N/A").

In accordance with VAECO RSQCM Chapter 1. Distribution of RSQCM on the VAECO intranet system is acceptable.

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Viet Q Tran, Principal Maintenance Inspector (FS58)
[1] SUPPORT INFO: A025(a) approved
[2] EFFECTIVE DATE: 7/25/2019, [3] AMENDMENT #: 3
DATE: 2019.07.25 16:39:18 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Handwritten signature of Tien Dung Ha in blue ink.

26th Jul. 2019

Tien Dung Ha, Director, Quality Assurance Department Date

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Part D

	HQ CONTROL DATE	EFFECTIVE DATE	AMENDMENT NUMBER
100 Work to be Performed at a Place Other Than the Repair Station's Fixed Location(s)	05/20/2024	06/17/2024	1

D100 . Work to be Performed at a Place Other Than the Repair Station's Fixed Location(s) HQ Control: 05/20/2024
HQ Revision: 05a

a. The certificate holder is authorized to perform work on a recurring basis at a location other than its fixed location(s) listed in Operations Specification A001, Issuance and Applicability, and, if issued, A101, Additional Fixed Locations, provided it has the facilities, material, equipment, and technical personnel to perform the work authorized in Table 1 below:

Table 1 - Work Authorized

Work Authorized	Repair Station Manual References	Quality Control Manual References
As indicated in Ops Spec A003.	Chapter 11	N/A

b. Work Authorized. The work authorized in Table 1 above could be the repair station's entire rating(s) or portions thereof.

c. Repair Station Manual (RSM). Table 1 must list the section(s) in the RSM and, if applicable, the Quality Control Manual (QCM) that contain the procedures that govern how the repair station will perform work on a recurring basis at a place other than the repair station's fixed location(s).

d. Continuous Operations. Issuance of this operations specification does not authorize continuous operations at a location away from the repair station's fixed location(s) listed in operations specification A001 and, if issued, A101.

1. Issued by the Federal Aviation Administration.

2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Adam N Pike, Principal Maintenance Inspector (FS58)

[1] SUPPORT INFO: D100 Nonmandatory revision to OpSpec D100, Work to be Performed at a Place Other Than the Repair Station's Fixed Location(s), to update the content and language to be consistent with the current guidance. This revision also removes the references to line stations and EASA in subparagraph c. See N 8900.698 for more information. Revised by AFS-340.

[2] EFFECTIVE DATE: 6/17/2024, [3] AMENDMENT #: 1
DATE: 2024.06.17 18:00:29 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

19th Jun. 2024

Tien Dung Ha, Director, Quality Assurance Department Date