

Guidance on Preparation of JCAB Supplement for a Flight Manual in English

November 29, 2018

Frist Issue (KOKU-KU-KI-969)

December 13, 2019

Amended (KOKU-KU-KI-1118)

Airworthiness Division
Aviation Safety and Security Department
Japan Civil Aviation Bureau
Ministry of Land, Infrastructure, Transport and Tourism

(translated on April 23, 2021)

November 29, 2018 First Issue (KOKU-KU-KI-969)

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JCAB Circular

Director, Airworthiness Division,
Aviation Safety and Security Department,
Civil Aviation Bureau,
Ministry of Land, Infrastructure, Transport and Tourism

Title: Guidance on Preparation of JCAB Supplement for a Flight Manual in English

A Flight Manual for imported aircraft which the administration personnel has decided to prepare in English shall basically be composed of the Flight Manual (including Supplemental Flight Manual, Appendix, etc.; hereinafter the same) approved by the State of Design of said aircraft and the Supplemental Flight Manual for satisfying the requirements for Flight Manuals in Japan (hereinafter referred to as the "JCAB Supplement").

This Guidance shows an attached sample to assist with the preparation of the JCAB Supplement. The sample shows a case where the holder of the type certificate is the administration personnel.

In the sample, *boxed descriptions in italic* are supplementary explanations. The outline of a manual can be completed by replacing **shadowed parts** with the details of the relevant aircraft.

The sample is not the criteria to be complied with. Items and formats may be flexible only if they meet the purport of Attachment I-2 "Guidelines on Preparation and Administration of Flight Manual" of Circular No.1-001 titled "General Policy and Procedures for Certification / Inspection." An applicant should directly refer to said Circular for details to prepare the JCAB Supplement appropriately in accordance with the category and type, etc. of the aircraft, and should be inspected by Airworthiness Engineers.

Supplementary Provisions

1. This Circular shall be enforced on November 29, 2018.

Supplementary Provisions (December 13, 2019)

1. This Circular shall be enforced on December 13, 2019.

For questions and comments about this Circular, please contact the following.

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(Sample)
ABC Aircraft Company
Aircraft Flight Manual
Supplement No. J1
JCAB Supplement
for Model XXXXX

Effectivity: S/N XXXXX thru YYYYY

Original Issue: mmm dd, yyyy

This supplement is applicable to the following flight manual:

Doc. No.: XXX-XXXX-XXX

Enter the number of the applicable Basic Flight Manual.

Aircraft S/N : _____

Registration No.: JA _____

Doc. No.: XXX-XXXX-YYY

On the cover page, it is recommended to create columns in which to enter the serial number, nationality and registration marks of the relevant aircraft and also enter the document number of the JCAB Supplement.

On the page following the cover page, the latest copy of approval of the Flight Manual issued for the JCAB

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RECORD OF REVISIONS

Revision No.	Approved date	Page(s)	Revision Description
-	mmm dd, yyyy	all	Initial Release
1	mmm dd, yyyy	1, 2, 3, 18	Updated Appendix A

LIST OF EFFECTIVE PAGES

page	Approved date	page	Approved date
1 (Approval for Flight Manual)	mmm dd, yyyy	SECTION 2B_ADVISORY PROCEDURES	
2 (Record of Revisions)	mmm dd, yyyy (out of scope for approval)	13	mmm dd, yyyy
(Blank)	(Blank)	SECTION 3_NORMAL PROCEDURES	
3 (Lisr of Effective pages)	mmm dd, yyyy (out of scope for approval)	13	mmm dd, yyyy
4 (Contents)	mmm dd, yyyy (out of scope for approval)	(Blank)	(Blank)
SECTION 0_INTRODUCTION		SECTION 4_PERFORMANCE	
5	mmm dd, yyyy	14	mmm dd, yyyy
6	mmm dd, yyyy	15	mmm dd, yyyy
(Blank)	(Blank)	16	mmm dd, yyyy
SECTION 1_LIMITATIONS		(Blank)	(Blank)
7	mmm dd, yyyy	(Blank)	(Blank)
8	mmm dd, yyyy	SECTION 5_WEIGHT AND BALANCE	
9	mmm dd, yyyy	17	mmm dd, yyyy (out of scope for approval)
10	mmm dd, yyyy	Appendix A	
11	mmm dd, yyyy	18	mmm dd, yyyy
12	mmm dd, yyyy	Appendix B	
(Blank)	(Blank)	19 – 21	mmm dd, yyyy (out of scope for approval)
SECTION 2_EMERGENCY PROCEDURES		Appendix C	
13	mmm dd, yyyy	22	mmm dd, yyyy (out of scope for approval)
SECTION 2A_ABNORMAL PROCEDURES		Appendix D	
13	mmm dd, yyyy	23	mmm dd, yyyy (out of scope for approval)

The list of effective pages should contain information on all pages except for the cover page. Approval of the Flight Manual, contents by chapter, text pages, etc. must be clearly indicated. The date of approval of each page should be entered, and in the column of "Approved date" for pages not requiring approval, revision dates should be entered together with the statement "not applicable" or "out of scope for approval." Chapters should be in line with those in the Flight Manual approved by the authority of the State of Design.

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NOTE The basic Flight Manual shall be applied, except for matters revised or supplemented by this Supplemental Flight Manual.

SECTION 0 – INTRODUCTION (General description of aircraft)

Applicable Coverage

This Flight Manual supplements apply for the Japanese Registered Airplanes which has the Japanese Type Certificate in accordance with Civil Aeronautics Act 12.

Model	Basic Flight Manual
XXXXX (ABC 式 XXXXX 型) (S/N XXXXX thru YYYYY)	Doc. No.: XXXX-XXX-XXXX

Table-1. Applicable Coverage

TC Holder & Aircraft Manufacturer

The ABC Aircraft Company

1-2-3 Kasumigaseki, Tokyo, Japan

(Refer to the JCAB TCDS No. XX for details.)

Name of aircraft designer/manufacturer

If the designer/ manufacturer is a company, the company's name shall be entered. However, if the name of the designer/ manufacturer or the company is indicated on the cover page, etc., the name may be omitted here.

Kind and Class of Aircraft

Kind: Aeroplane

Class: Multi-Engine Turbine Land

Airworthiness Category

Airplane Normal

Type and Number of Engine, Propeller (If installed)

Make/Manufacturer: Pratt & Whitney Canada

Model: PW XXXX engines

Number: Two (2)

Type of Propeller: -----

Dimensions

Length: _____ m

Width: _____ m

Height: _____ m

Refer to the Pilot's Operating Manual for Model XXXXX, Doc. No. _____ for details.

Weight and Center of Gravity

Maximum certified weight and center of gravity range:

Refer to the JCAB-TCDS No. XX and Flight Manual for Model XXXXX, Doc. No. _____ for details.

Fuel tanks / Oil tank Capacity

MAX Oil Level (FULL line): X.XX quarts (F-Sta XXX.X)
(X.XX quarts Usable, X.XX quarts Unusable)

Refer to the JCAB-TCDS No. XX for details.

JCAB Approved Flight Manual List

Refer to Appendix A, "JCAB Approved Flight Manual List for Model XXXXX."

The administration personnel is to prepare a List of (Basic and Supplement) Flight Manuals approved by Japanese authority and enter it in the JCAB Supplement. This List requires approval of the authority.

This List is different from the Table of Supplemental Flight Manuals (Form I-2-5) for the purpose of clarifying Supplemental Flight Manuals applied to each of the aircraft prescribed in 3-2(1) of Attachment I-2 of Circular No.1-001.

SECTION 1 - LIMITATIONS

General

The limitations are the same as those in the basic FAA Approved Flight Manual except:

Japanese Placards

Japanese placards which are listed in Doc. No. _____ must be installed.

Regarding placards stated in the Limitation section of (Basic and Supplement) Flight Manuals, markings, etc. to be indicated in Japanese should be described in accordance with Circular No. I-008 titled "Markings which shall be indicated in Japanese for Emergency Exit, Safety Equipment, etc." Markings, etc. to be indicated in Japanese should be listed in the JCAB Supplement, or a document compiling those markings, etc. (a document that can be provided to aircraft users) should be cited.

OCCUPANTS LIMITS

Maximum Occupancy:

- Single Pilot, 1 Pilot and 1 Passenger (cockpit), 5 Passengers (cabin when equipped with optional side-facing seat or optional belted lavatory seat)
- Two Pilots, 1 Pilot and 1 Copilot, 5 Passengers (cabin when equipped with optional side-facing seat or optional belted lavatory seat)

NOTE The lavatory seat is not certified for use during takeoff and landing without the optional belted lavatory seat.

Refer to Flight Manual for Model XXXXX, Doc. No. _____ for details.

OCCUPANTS LIMITS (For Transport Airplane)

- The total number of occupants carried, including crew and passengers, allowed is determined by the door type and slide/raft configuration on the airplane. The maximum number of occupants carried shall not exceed 381 with the appropriate door type and slide/raft configuration, and shall not exceed the number for which seating accommodation approved for takeoff and landing is provided.
- Cabin Layout:

Refer to Weight and Balance Control and Loading Manual, Doc. No. _____.

Strength of Floors

Refer to Doc. No. _____.

Approved maximum passengers, number of seats or seat arrangement drawing (only drawing number is acceptable) for the transport T category aircraft, and approved number of occupant for the aircraft category other than transport shall be entered as limitation for occupancy. However, if identical description to the above is available in the other document which provides necessary matters to calculate the weight and center of gravity of the aircraft, quotation from this document shall be acceptable. If there exists restriction for location occupied, it shall be added here.

OPERATING LIMITATIONS

This airplane may be operated in the following kinds of operations when appropriate equipment is installed.

NOTE Refer to the Appendix B, "JUDGEMENT TABLE FOR OPERATING METHOD LIMITATION."

- Flight under instrument flight rules (Flight under instruction of air traffic control all times)
- Instrument flight (Flight in the instrument meteorological condition)
- Flight under instrumental navigation (Flight over cloud or over water beyond the distance and time specified in Article 66 of the Regulations under visual meteorological condition)
- Visual flight other than flight under instrumental navigation
- Night operations
- Day operations
- Flight under icing meteorological condition (as approved in type certification)
- High altitude operations (above 3,000meters of altitude)

This does not fall necessarily in line with the "type of Operation" established by the authority of the State of Design. Allowable items which are specified as a result of judgment from attaching table of operating method limitation for judgment in the following operating methods shall be established as "Operating method limitation." But, the forgoing remarks shall be added that "Following operating methods are eligible when an appropriate instruments and equipment required by the airworthiness and operating requirements are installed on this aircraft." If attaching table of operating method limitation for judgment is attached, inapplicable matters shall be deleted or crossed out. Approval should be obtained for the results of the deletion or crossing out but the table itself does not require approval of the authority.

- *Operations under instrument flight rules (Operation under instruction of air traffic control at all times)*
- *Operations with instrument flight (Operation in instrument meteorological conditions)*
- *Operations with instrument navigation (Operation over cloud or over water beyond the distance and time specified in Article 66 of the Regulations under visual meteorological conditions)*
- *Operations of visual flight other than flight with instrument navigation*
- *Night operations*
- *Day operations*
- *Operation in icing meteorological conditions (as approved in type certification)*
- *High altitude operations (above 3,000 meters of altitude)*

Placards regarding the Operating method limitation which comply with the airworthiness certification standard applicable to the aircraft (Airworthiness Inspection Manual, etc.) shall be prepared and mounted to said aircraft. (It should be noted that requirements differ by the airworthiness category.) Placards shall be prepared in Japanese or English (or in both).

However, as operating methods of imported aircraft are not necessarily the same as those of Japanese aircraft, allowable operating methods based on the judgment table should be indicated on placards. The contents in the parentheses as shown above may be omitted on placards.

OPERATIONAL CAPABILITIES

NOTE The following capabilities do not constitute operational approval. The operator must be authorized by the JCAB to conduct these operations.

When equipment installed on aircraft meets the requirements for aircraft equipment respectively prescribed for operational approval although it is not required for type certification, the following Circulars require entry of such fact in the Flight Manual. When entering such fact in the Flight Manual, the administration personnel (solely holders of type certificate in Japan) should explain that the equipment satisfies prescribed requirements and obtain approval for that entry from a responsible Airworthiness Engineer. Procedures for obtaining operational approval need to be taken separately because a Flight Manual does not serve as operational approval.

Category I Operations

The installed equipment for Category I Operations complies with the equipment requirements described in the Appendix 2 of the JCAB Circular No.5-001, "Criteria for approval of Category I operations and Evaluation guideline of Category I operations."

Category II Operations

The installed equipment for Category II Operations complies with the equipment requirements described in the Appendix 2 of the JCAB Circular No.5-002, "Criteria for approval of Category II operations and Evaluation guideline of Category II operations."

RVSM Operation

The installed equipment for RVSM Operation complies with the equipment requirements described in the JCAB Circular No.5-004, "Criteria for approval of RVSM operations and Evaluation guideline of RVSM operations."

GPS (Operational Implementation Standards using GPS for the Instrumental Flight Method)

The installed GPS complies with the equipment requirements described in the JCAB Circular No.5-005, "Operational Implementation Standards using GPS for the Instrumental Flight Method", Chapter 3-1, 4-1, and 5-1.

- The installed **Garmin G3000TM system** is compliant with AC 20-138D.

- The **GDU1400W** is compliant with TSO-C115c and TSO-C146c.
- The **GIA64E** is compliant with TSO-C145d Class 3.

(1) Limitations

No Change

(2) Emergency Procedures

No Change

(3) Normal Procedures

No Change

GPS (Operational Implementation Standards using GPS for the VFR)

The installed GPS is limited to VFR. Also, the following placards (Japanese or English) must be installed in a position that the pilot can see it well. (Refer to Circular No.5-006.)

The installed GPS may be used only under the visual flight rules.

CPDLC (Controller-Pilot Data Link Communications)

The installed CPDLC system complies with to the equipment requirements described in the JCAB Circular No.5-009, "Implementation Approval Criteria using CPDLC", Chapter 3.

- The installed CPDLC system is compliant with CS ACNS.B.DLS (Data Link Services).
- The **GDR66** is compliant with TSO-C160.

(1) Limitations

No Change

(2) Emergency Procedures

No Change

(3) Normal Procedures

No Change

Category III Operations

The installed equipment for Category III Operations complies with the equipment requirements described in the Appendix 2 of the JCAB Circular No.5-013, "Criteria for approval of Category III operations and Evaluation guideline of Category II operations."

ADS-B (Automatic Dependent Surveillance-Broadcast)

The installed ADS-B OUT complies with the equipment requirements described in the JCAB Circular No.5-019, "Implementation Approval Criteria using ADS-B OUT", Chapter 3.

- The installed ADS-B OUT system is compliant with 14 CFR 91.225 and 91.227, CS ACNS.D.ADSB (1090 MHz Extended Squitter ADS-B Out), and CS ACNS.D.ELS/EHS (Mode S Elementary/Enhanced Surveillance).
- The standard GTX 33D-ES is compliant with TSO-C166a.
- The optional GTX 3000 is compliant with TSO-C166b.

Night Vision Imaging System Operations

Regarding above operations, coordinate with related departments of the JCAB.

Human External Cargo Operations

Regarding above operations, coordinate with related departments of the JCAB.

Operational requirements may have not been specified in Japan at a similar level as by the authority of the State of Design at the time of approval for a Flight Manual. In such a case, the statement "Regarding above operations, coordinate with related departments of the JCAB" should be added in the JCAB Supplement to clarify actions to be taken, without altering the descriptions in the Flight Manual. The above is a major example.

MMEL/MEL

Instructions for "MMEL / MEL" in this flight manual can be followed only when the Minimum Equipment List (MEL) is specified in the Operation Manual and/or Maintenance Manual created by domestic aircarrier and is approved by the Minister of Land, Infrastructure, Transport and Tourism.

This is because it is not permitted to apply MMEL/MEL for private aircraft.

White Strobe Lights for rotorcrafts (If installed)

The flashing of the white strobe light may interfere with the pilot's view and may cause dazzle to other aircraft. In the following cases, the switch of the white strobe light device must be turned off.

- 1) Taxiing, hovering near other aircraft
- 2) When flying through a haze or a cloud
- 3) During takeoff and landing at night

Also, the following placards (Japanese or English) must be installed in a position that the pilot can see it well. (Refer to Circular No.1-026.)

Turn off white strobe lights in the following cases:

- *When taxiing or hovering near other aircraft*

When white strobe lights are additionally installed on rotorcraft, Circular No.1-026 requires the preparation of necessary placards (as the markings are to be informed only among trained aircrew, they may be prepared in English) and the entry of other necessary matters. If the Flight Manual does not contain placards and the entry of necessary matters as required in Circular No.1-026, they should be added in the JCAB Supplement in reference to the examples above, or a Supplementary Flight Manual should be prepared separately and approval should be obtained therefor.

SECTION 2 - EMERGENCY PROCEDURES

No Change

SECTION 2A - ABNORMAL PROCEDURES

No Change

SECTION 2B - ADVISORY PROCEDURES

No Change

SECTION 3 - NORMAL PROCEDURES

No Change

SECTION 4 - PERFORMANCE

NOISE LEVELS

This aircraft complies with the requirements of Civil Aeronautics Regulations, Annex 2, "Aircraft Noise Standard" and ICAO Annex 16, Volume I, Appendix 2, Amendment 7, Aircraft Noise, Chapter 4 (effective March 21, 2002).

This Noise Document is made pursuant to Annex 16, Volume I, Attachment G to the Convention on International Civil Aviation (hereinafter referred to as "ICAO Format") and approved as a part of the Aircraft Flight Manual.

In Japan, Compliance to the Noise Requirement is certified as a part of Airworthiness Certification. Noise Certificate is not issued and Noise Characteristics are described in Aircraft Flight Manual. Therefore, Japan determined to incorporate this Noise Document into the Aircraft Flight Manual.

Accordingly, Item 18 "Statement of Compliance", Item 19 "Date of Issuance" and Item 20 "Signature", which are parts of "ICAO Format" but not appropriate for inclusion in the Aircraft Flight Manual, are deleted.

In respect of the Aircraft Flight Manual which is published and managed by Aircraft Type, it may be a case that Item 4 "Nationality and Registration Marks" and Item 6 "Aircraft Serial Number" are blank.

Matters regarding aircraft noise and engine emissions may be included in the descriptions of "Performance of aircraft."

For aircraft engaged in international operation (or if preferred even for aircraft not engaged in international operation), matters regarding aircraft noise should be described in accordance with the following standard format specified by the ICAO.

1. State of Registry: Japan		3. Document Number: (if necessary) XXX-XXXX-ZZZ		
2. Noise Document				
4. Nationality and registration marks: (if necessary) JA0000		5. Manufacturer and manufacturer's designation of aircraft: ABC Aircraft Company, Model XXXXX		6. Aircraft serial numbers:
7. Engine: Pratt & Whitney Canada, PW XXXX			8. Propeller: * NA	
9. Maximum take-off mass: 4,800 kg (10,000 lbs)		10. Maximum landing mass: * 4,800 kg (10,000 lbs)		11. Noise certification standard: Chapter 4
12. Additional modifications incorporated for the purpose of compliance with the applicable noise certification Standards: None				
13. Lateral/full-power Noise level: * XX.X EPNdB	14. Approach noise level: * XX.X EPNdB	15. Flyover noise level: * XX.X EPNdB	16. Overflight noise level: * NA	17. Take-off noise level: * NA
Remarks:				

*: These boxes may be omitted depending on noise certification standard.

Table-2. NOISE LEVELS (ICAO Format)

ENGINE EMISSIONS

Fuel Venting

This aircraft complies with the requirements of Civil Aeronautics Regulations, Annex 3, Chapter 1.

NOTE The Fuel Venting has been demonstrated under the ICAO Annex 16, Volume II, Third Edition, Part II, Chapter 2.

Exhaust Emissions

This aircraft complies with the requirements of Civil Aeronautics Regulations, Annex 3, Chapter 2.

(1) SMOKE

MODE	SMOKE NUMBER [Unit : Dimensionless]	LIMIT [Unit : Dimensionless]
TAXI / IDLE	XX.XX	XX.XX
TAKE OFF	XX.XX	XX.XX
CLIMB OUT	XX.XX	XX.XX
APPROACH	XX.XX	XX.XX

The certified numbers shown are based on X.XX kN (yyyy lbs) maximum thrust from the Pratt & Whitney Canada PW XXXX engines.

NOTE The Smoke Number has been demonstrated under the ICAO Annex 16, Volume II, Third Edition, Part II, Chapter 2, Section 2.2.2.

(2) HYDROCARBONS, CARBON MONOXIDE, AND OXIDES OF NITROGEN

Not applicable due to X.XX kN (yyyy lbs) rated thrust on aircraft engine.

(3) PARTICULATE MATTER

Not applicable due to X.XX kN (yyyy lbs) rated thrust on aircraft engine.

Carbon Dioxide Emissions

Not applicable due to 4,800 kg (10,000 lbs) maximum take-off mass.

SECTION 5 - WEIGHT AND BLANCE

No change

Appendix A

“JCAB Approved Flight Manual List for Model XXXXX”

Flight Manual (Basic) and Flight Manual Supplement(s) approved by JCAB are as below.

Flight Manual Doc. No.	Flight Manual Title	Certifying Authority approved date and Current Revision	JCAB approved date
XXX-XXXX-XXX	Flight Manual (Basic)	mmm dd, yyyy Issue 1, Rev.10	mmm dd, yyyy
XXX-XXXX-001	FMS No.01 Garmin G3000TM	mmm dd, yyyy Issue 1, Rev.1	mmm dd, yyyy
XXX-XXXX-002	FMS No.02 VIP Cabin Layout	mmm dd, yyyy Original, Rev.3	mmm dd, yyyy
XXX-XXXX-003	(Intentionally Blank)	-----	-----
XXX-XXXX-004	FMS No.04 Cabin Entertainments	mmm dd, yyyy Issue 2, Rev.2	mmm dd, yyyy
XXX-XXXX-YYY	FMS No.J1 JCAB Supplement	-----	mmm dd, yyyy

Table-3. JCAB Approved Flight Manual (Basic and Supplements)

A list of the Flight Manual, etc. (including Supplemental Flight Manual, Appendix, etc.) approved by the JCAB for said type of aircraft and the JCAB Supplement should be entered. The list should contain document numbers, titles, dates of approval by the State of Design and revision number, and dates of approval by the JCAB of respective Flight Manuals. The list requires an approval of the authority. The above shows examples.

An aircraft user should confirm that the Flight Manual, JCAB Supplement, etc. delivered by the administration personnel have been approved by the JCAB, based on the abovementioned list, and apply (install) them to the relevant aircraft.

Appendix B

JUDGEMENT TABLE FOR OPERATING METHOD LIMITATION (REQUIRED EQUIPMENTS, ETC. ON EACH OPERATING METHOD)

Equipments, etc.	Minimum quantity	Operating method							
		A	B	C	D	E	F	G	H
Gyroscopic attitude indicator	1 (Note 2)	○	○						
Gyroscopic directional indicator	1	○	○						
Gyroscopic turn indicator	1 (Note 3)	○	○						
Slip indicator	1	○	○						
Precision altimeter	1 (Note 2)	○	○						Note 8 ○
Rate of climb indicator	1	○	○						
Airspeed indicator with anti-icing device	1 (Note 2)	○	○						
Ambient air temperature indicator	1	○	○	○					
Clock with second indication	1	○	○	○					
Airborne DME	1 (Note 4)	○	○	○					
Direction finder, VOR receiver Airborne TACAN receiver	1 (Note 2)	Note 5 ○	Note 6 ○	Note 6 ○					
Navigation lights						○			
Anti-collision lights						Note 7 ○			
Anti-icing device								○	
Oxygen supply system (Note 1)									○

In addition to the equipments, etc. listed above, it shall be necessary to obey the requirements for equipment specified in the Civil Aeronautics Regulations, etc.

Table- Table-1 JUDGEMENT TABLE FOR OPERATING METHOD LIMITATION

Category of Operating Methods

- A Flight under instrument flight rules (Flight under instruction of air traffic control all times)
- B Instrument flight (Flight in the instrument meteorological condition)
- C Flight under instrumental navigation (Flight over cloud or over water beyond the distance and time specified in Article 66 of the Regulations under visual meteorological condition)
- D Visual flight other than flight under instrumental navigation
- E Night operations
- F Day operations
- G Flight under icing meteorological condition (as approved in type certification)
- H High altitude operations (above 3,000 meters of altitude)

(Note 1) Oxygen supply system with following capacity

- (1) Aircraft without cabin pressurization system
 - (a) When flight is conducted at altitude between 3,000 and 4,000 meters, necessary oxygen quantity shall be as much as for all occupants to use for the flight time equal to flight time related to the said flight minus 30 minutes.
 - (b) When flight is conducted at altitude beyond 4,000 meters, necessary oxygen quantity shall be as much as for all occupants to use for flight time related to the said flight.
- (2) Aircraft with cabin pressurization system
As long as flight is conducted at altitude beyond 3,000 meters, necessary oxygen quantity shall be as much as for all occupants to use for flight time which takes from maximum planned altitude related to the flight to altitude of 3,000 meter. (If flight must be continued at altitude beyond 4,000 meters for safe flight, necessary oxygen quantity shall be total amount of above quantity added as much as for all occupants to use for flight time of the flight continued beyond 4,000 meters.)

(Note 2) Minimum quantity on aircraft for air transport use, of which maximum takeoff gross weight is more than 5,700 kg shall be two.

(Note 3) Aircraft equipped with gyroscopic attitude indicator which is able to indicate every attitude of aircraft may not be equipped.

(Note 4) Aircraft other than the aircraft for air transport use, of which maximum takeoff gross weight is more than 5,700 kg (limited to the aircraft which must be equipped with VOR receiver) may not be equipped.

Table-4 JUDGEMENT TABLE FOR OPERATING METHOD LIMITATION (Continued)

- (Note 5) Either of direction finder, VOR receiver, onboard TACAN equipment will receive radio signals which are dependent on air route related to the flight from NDB, VOR or TACAN stations which exist compose air route. However, direction finder can be substituted with GNSS receiver.
- (Note 6) Either of direction finder, VOR receiver, onboard TACAN receiver be able to receive radio signals all through the flight from NDB, VOR or TACAN stations. However, direction finder can be substituted with GNSS receiver.
- (Note 7) Aircraft of which maximum takeoff weight is equal and more than 5,700 kg, and aircraft of which maximum takeoff gross weight is less than 5,700 kg and obtains initial airworthiness certification after January 17, 2003 must be equipped.
- (Note 8) Required for the flight at altitude of 16,000 ft or more under the Notice of the Director-General of Civil Aviation Bureau, KUUKOU No.551 dated December 9 of 1971, "Specification of Altimeters."

Table-4 JUDGEMENT TABLE FOR OPERATING METHOD LIMITATION (Continued)

Appendix C

“Table of TCD Insertion Status” (Template)

様式 I-2-8 (Form I-2-8)

TCD 挿み込み状況表
Table of TCD Insertion Status

TCD番号 TCD number	挿み込み日 Date of insertion	担当者 Personnel in charge	除去日 Date of deletion	担当者 Personnel in charge	備考 Remarks (除去の根拠等) Reason of deletion, etc.

Appendix D

“Table of Supplemental Flight Manual” (Template)

This table aims to clarify Supplemental Flight Manuals actually applied to each aircraft.

Qualified maintenance technicians of the aircraft or certifying staff of the approved organization should select and confirm Supplemental Flight Manuals applicable to said aircraft from among all Supplemental Flight Manuals delivered by the administration personnel (or publicized on websites), enter the document numbers, titles, dates of installation of those applicable Supplemental Flight Manuals in this table and affix a confirmation seal.

様式 I-2-5 (Form I-2-5)

			☆☆☆☆式〇〇〇〇型 (Name of manufacturer) (Name of type)
追加飛行規程一覧表 Table of Supplemental Flight Manual JA◇◇◇◇ Registration mark			
番号 No.	表 Title	装着年月日 Date of installation	確認印 Signature