

Technical Arrangement for Design and Production

between

**The Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism
Japan (JCAB)**

and

**Civil Aviation Authority of the United Kingdom of Great Britain and Northern Ireland
(CAA)**

The Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan and the Civil Aviation Authority of the United Kingdom of Great Britain and Northern Ireland (UK) (hereinafter referred to individually as “Authority” and collectively as “the Authorities”),

Considering that the Working Arrangement (hereinafter referred to as the “WA”) for the promotion of aviation safety between the Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism of Japan and the Civil Aviation Authority of the United Kingdom of Great Britain and Northern Ireland, signed on 25 July 2024, provides for Technical Arrangements to be developed in the area of airworthiness and environmental approval of civil aeronautical products;

Considering that each Authority has determined that the standards used by and the system of the other Authority for airworthiness and environmental certification, approval or acceptance of the Civil Aeronautical Products, covered by this Technical Arrangement (hereinafter referred to as “this Arrangement”), are sufficiently compatible to its own to make this Arrangement practicable; and

Considering that in the interest of promoting aviation safety and preservation of the environment, each Authority will cooperate to reduce, to the minimum, the economic burden imposed on the Authorities and the aviation industries and operators by avoiding redundant technical evaluations, tests and inspections;

Have reached the following recognition:

1. GENERAL

1.1 Purpose

- (a) This Arrangement sets out the Authorities’ procedures for implementing the airworthiness and environmental approvals, with regard to aircraft noise and aircraft engine emission standards and testing procedures of Civil Aeronautical Products under the provisions of the WA.
- (b) The objective of this Arrangement, in accordance with the WA, is to outline the matters under which the Authorities accept each other's airworthiness and environmental approvals of Civil Aeronautical Products, and environmental testing, thereby removing duplicative technical inspections, evaluations and testing.

1.2 Basis

This Arrangement is made pursuant to Article 4 of the WA.

The Authorities have knowledge of each other's standards and systems relating to the airworthiness and environmental approvals of Civil Aeronautical Products and environmental testing by virtue of their respective participation in the Agreement on Civil Aviation Safety between Japan and the EU. As a result JCAB and the CAA have established a level of confidence in such standards and systems and have decided such standards and systems are sufficiently compatible to make this Arrangement practicable.

1.3 Definitions

For the purposes of this Arrangement, the following definitions apply:

- (a) "Additional Technical Conditions" means the terms notified by the Importing Authority for the acceptance of the type design of a Civil Aeronautical Product, or for the acceptance of a Civil Aeronautical Product, to account for differences between the Authorities in:
 - (i) Adopted or adapted airworthiness and environmental standards;
 - (ii) Special conditions relating to novel or unusual features of the product design which are not covered by the adopted or adapted airworthiness and environmental standards;
 - (iii) Exemptions or equivalent safety findings from the airworthiness and environmental standards; and
 - (iv) Mandatory airworthiness action taken to correct unsafe conditions.
- (b) "Airworthiness Criteria" means the criteria governing the design, performance, materials, workmanship, and manufacture of Civil Aeronautical Products as prescribed by the Importing Authority to enable it to find that the design, manufacture, and condition of these products comply with the laws, regulations, standards, and requirements of the Importing Authority concerning airworthiness.
- (c) "Civil Aeronautical Product" or "product" means any civil aircraft, aircraft engine, or aircraft propeller; or sub-assembly, appliance, part, or component installed or to be installed thereon.
- (d) "Design-related Operational Requirements" means operational requirements affecting either the design features of the product or data on the design relating to the operations of the product that make it eligible for a particular kind of operation.
- (e) "Environmental Criteria" means the criteria governing the design, performance, materials, workmanship, and manufacture of Civil Aeronautical Products as prescribed by the Importing Authority, to enable it to find that the design, manufacture, and condition of these products comply with the laws, regulations, standards, and

requirements of the Importing Authority concerning noise and emissions.

- (f) "Exporting Authority" means the aviation authority of the State exporting a type design, a modification thereof, or a product under the matters of this Arrangement.
- (g) "Importing Authority" means the aviation authority of the State importing a type design, a modification thereof, or a product under the matters of this Arrangement.
- (h) "Product Airworthiness and Environmental Approval" means the airworthiness certification, approval, or acceptance, as appropriate, by or on behalf of an authority for a particular Civil Aeronautical Product to permit operation or use of the product under the laws, regulations, standards and requirements of that issuing Authority.
- (i) "Type Design" means the description of all the characteristics of a product, including its design, manufacture, limitations, and continued airworthiness instructions which determine its airworthiness and environmental characteristics.
- (j) "Type Design Approval" means the certification, approval, or acceptance of the type design of a product, by or on behalf of an Authority. This includes any supplemental type certification.

2. SCOPE OF COVERAGE

This Arrangement applies to:

- (a) The acceptance by the Importing Authority of the Type Design Approval, including changes to the type design, and the findings of compliance made by the Exporting Authority with the Importing Authority's Design-related Operational Requirements, for Civil Aeronautical Products for which the Exporting Authority is the Authority responsible for the type design in the exporting State;
- (b) The acceptance by the Importing Authority of the airworthiness and environmental certification, approval or acceptance of Civil Aeronautical Products for which either Authority is the authority responsible for the type design or the authority of the State of manufacture, including both new and used products which were designed or manufactured partially or wholly in third countries;
- (c) Cooperation and assistance on the continuing airworthiness of in-service products;
- (d) Technical cooperation and assistance, including the exchange of information, towards maintaining sufficiently equivalent airworthiness and environmental standards and certification systems between the Authorities;

- (e) Cooperation in providing technical evaluation assistance to the other Authority; and
- (f) Organisations that have a Type Design Approval from either JCAB or the CAA.

3. PROCEDURES

3.1 General

Each Authority will develop procedures for granting airworthiness and environmental certification to imported Civil Aeronautical Products whose design or, where applicable, manufacture is under the responsibility of the other Authority so as to give maximum practicable credit for technical evaluations, tests results, inspections, quality assurance system monitoring, conformity statements, marks of conformity and certificates accepted or issued by the Exporting Authority in granting its own domestic certification for such Civil Aeronautical Products.

3.2 Type Design Approval

- (a) If the Exporting Authority certifies to the Importing Authority that the type design of a Civil Aeronautical Product, including the Design-related Operational Requirements in line with paragraph (e) below or a change to a Civil Aeronautical Product Type Design previously approved by the Importing Authority, complies with Airworthiness and Environmental Criteria prescribed by the Importing Authority, the Importing Authority, in finding compliance with its own laws, regulations, standards and requirements for granting Type Design Approval, may give the same validity to the technical evaluations, determinations, tests and inspections made by the Exporting Authority as if it had made them itself.
- (b) The Importing Authority will prescribe the Airworthiness and Environmental Criteria for the Type Design Approval of a particular Civil Aeronautical Product, in terms of the laws, regulations, standards, requirements and certification system applied by the Exporting Authority in granting its own Type Design Approval together with the Additional Technical Conditions identified by the Importing Authority.
- (c) To this end, the Importing Authority may:
 - (i) become familiar with the Civil Aeronautical Product to be imported and with the laws, regulations, standards, requirements and certification system applied by the Exporting Authority;
 - (ii) identify the Additional Technical Conditions which it finds necessary to ensure that

the Civil Aeronautical Product meets the airworthiness standards equivalent to that which would have been required for a similar product designed or manufactured in the Importing State at the time the application was received for the approval of the product Type Design by the Exporting Authority;

- (iii) identify the Additional Technical Conditions which it finds necessary to ensure that the Civil Aeronautical Product meets the environmental standards with respective legislation of Importing State; and
 - (iv) perform such additional analysis and testing as judged necessary.
- (d) The Airworthiness and Environmental Criteria specified by the Importing Authority for its Type Design Approval of a Civil Aeronautical Product will be communicated to the Exporting Authority as soon as practicable after becoming familiar with the design of the product.
- (e) The Importing Authority, on request from the Exporting Authority, will advise the latter of its current Design-related Operational Requirements.

3.3 Changes to the Approved Type Design

- (a) The Exporting Authority will notify the Importing Authority of changes in the approved Type Design that have an appreciable effect on the airworthiness of the Civil Aeronautical Product¹, or which have an impact on any Additional Technical Conditions prescribed by the Importing Authority, that the Importing Authority has certified, approved or accepted under this Arrangement.
- (b) Following the review of the changes, the Importing Authority will notify the Exporting Authority of its acceptance, modification or non-acceptance of these changes.

3.4 Acceptance of Product Airworthiness and Environmental Approval

- (a) If the Exporting Authority, or a person designated in line with the regulations of the Exporting Authority, certifies to the Importing Authority that a Civil Aeronautical Product, for which a Type Design Approval has been issued or is in the process of being issued by the Importing Authority, conforms in construction to a Type Design definition notified by the Importing Authority and is in a condition for safe operation, the Importing Authority will give the same validity to the technical evaluations, determinations, tests and inspections made in line with the laws, regulations standards and requirements of the Exporting Authority, as if it had made them itself on the date of the certification by the

¹ Appreciable effect on the mass, balance, structural strength, reliability, operational characteristics, noise, fuel venting, exhaust emission, operational suitability data or other characteristics affecting the airworthiness of the product.

Exporting Authority.

- (b) Additional inspections may be made or specified by the Importing Authority, as it deems necessary, at the time of its airworthiness and environmental certification, approval or acceptance of a Civil Aeronautical Product.
- (c) The airworthiness release document for appliances and parts granted by the CAA or a CAA-approved organisation will be provided in the format of CAA Form 1.
- (d) The airworthiness release document for appliances and parts granted by the JCAB or a JCAB-approved organisation, will be provided in the format of Certificate of Conformity for Export (JCAB circular Form 1-014-4), or JCAB Form 18, as applicable.
- (e) The Authorities will consult with each other on a case-by-case basis if it is considered desirable to issue any exemptions from the requirements of paragraphs 3.4(a) and 3.4(b).

3.5 Production Overview

- (a) An Authority will, on behalf of the other Authority:
 - (i) Monitor the quality assurance system for the production of Civil Aeronautical Products, accepted by the Authorities, to evaluate the need for improvement, to initiate corrective action and/or to assure conformance to the approved Type Design.
 - (ii) Certify conformity of parts and assemblies produced.
- (b) Each Authority will make available to the other Authority all data, drawings, reports, norms, specifications, instructions, guidelines, policies, and other information necessary to perform the activities referred to in paragraph 3.5(a).
- (c) By mutual understanding, an Authority may participate, with the other Authority, on production control and engineering activities as necessary, and participate periodically in audits on the quality assurance system of the other Authority. Any production approval holder will provide either Authority with unimpeded access to any of its facilities.
- (d) The Authorities will notify each other in the event that they become aware of any significant production non-conformity that may have a significant effect on the airworthiness of a Civil Aeronautical Product to which this Arrangement applies.

4. MUTUAL COOPERATION AND TECHNICAL ASSISTANCE

4.1 Continuing Airworthiness

- (a) Each Authority will provide full support in analysing airworthiness aspects of accidents and incidents occurring on Civil Aeronautical Products to which this Arrangement applies and which would raise questions concerning the airworthiness of such products.
- (b) The Exporting Authority will, in respect of Civil Aeronautical Products designed or manufactured in its State, specify any appropriate action it deems necessary to correct any unsafe condition that may be discovered after such product is placed in service, including any actions in respect of components designed and/or manufactured by a supplier under contract to a prime contractor².
- (c) The Exporting Authority will, in respect of Civil Aeronautical Products designed or manufactured in its State, assist the Importing Authority in determining any action considered to be necessary by the Importing Authority for maintaining the continuing airworthiness of such product.
- (d) Each Authority will keep the other Authority informed of all mandatory airworthiness modifications, special inspections, special operating limitations or other actions which it deems necessary for maintaining the continuing airworthiness of relevant products designed or manufactured in either States and that have been imported or exported under this Arrangement, or prior to the date when the cooperation under this Arrangement commences.

4.2 Technical Assistance and Cooperation

- (a) At the request of the Importing Authority, the Exporting Authority will, in respect of Civil Aeronautical Products designed or manufactured in its State, assist the Importing Authority in determining whether the design of major changes or repairs made under the control of the Importing Authority comply with the airworthiness and environmental standards under which such product was originally approved by the Exporting Authority.
- (b) Each Authority will make available to the other Authority all its relevant airworthiness and environmental laws, regulations, standards and requirements, and its system for airworthiness and environmental certification or approval.
- (c) Each Authority will, to the maximum extent practicable: ensure that the other Authority is notified of proposed significant revisions to its standards and system for airworthiness and environmental certification or approval that may affect the matters of this Arrangement; offer the other Authority an opportunity to comment; and give due consideration to the comments made by other Authority on the proposed revisions.

² To note: the CAA commonly carries out this task as part of its day-to-day activities through the publication of CAP747 which can be found: <http://publicapps.caa.co.uk/CAP747>.

- (d) By mutual understanding and upon request, each Authority will, as practicable, provide technical evaluation and assistance to the other Authority.
- (e) The Authorities may carry out joint Type Design Approval projects in respect of products covered by this Arrangement when it is in the interest of the Authorities.

5. CONFIDENTIALITY

In line with their respective legislation, the Authorities will not generally disclose to the public any information received from each other under this Arrangement which constitutes trade secrets, confidential information, or information that relates to an ongoing investigation and will take all reasonable precautions necessary to protect information received under this Arrangement from unapproved disclosure.

6. PREVAILING INTERPRETATION

In the case of conflicting interpretations of the Airworthiness or Environmental Criteria or Design-related Operational Requirements prescribed by the Importing Authority pertaining to the certification, approval, or acceptance of Civil Aeronautical Products under this Arrangement, the interpretation of the Importing Authority will prevail.

7. ROLES FOR EACH AUTHORITY

7.1 Responsible persons

The designated offices and persons for the technical coordination and implementation of this Arrangement are:

- (i) For the JCAB: Airworthiness Standards and International Affairs Office
- (ii) For the CAA: The Bilateral Safety Arrangements (BASA) Team

7.2 Regular Review

The representatives for the designated offices will meet at least, in principle, once a year, or as otherwise arranged, to evaluate the effective implementation of this Arrangement.

7.3 Language

Unless they jointly decide otherwise in writing, the Authorities will prepare and submit all correspondence and documentation under this Arrangement in the English language.

8. INTERPRETATION

- (a) Either Authority may request consultations with the other Authority on any matter related to this Arrangement.
- (b) The Authorities will make all reasonable efforts to resolve any dispute regarding the interpretation of this Arrangement through consultations with each other.

9. OPERATIONAL DATE AND DURATION

This Arrangement will come into operation on the date of the last signature of the representatives of the Authorities. It will remain in operation until it is terminated by either Authority. An Authority may terminate this Arrangement at any time upon 60 days written notification to the other Authority.

10. CONTACTS

Each Authority's contact points regarding matters dealing with this Arrangement are as follows:

For the JCAB

Airworthiness Standards and International Affairs Office
Airworthiness Division
Aviation Safety and Security Department
Japan Civil Aviation Bureau
Ministry of Land, Infrastructure, Transport and Tourism
2-1-3 Kasumigaseki
Chiyoda-ku
Tokyo
100-8918
Japan

Internet Webpage: <https://www.mlit.go.jp/en/koku/index.html>

Email for coordination and implementation of this arrangement:

hqt-cab-basa-airworthiness@gxb.mlit.go.jp

Email for Design Approvals: hqt-cab-gij-kka@gxb.mlit.go.jp

Email for TCD (Airworthiness Directives issued by the JCAB):

hqt-ad_jcab@gxb.mlit.go.jp

For the CAA

Bilateral Safety Arrangements (BASA) Team

Civil Aviation Authority
Aviation House
Beehive Ring Road
Crawley
West Sussex
RH6 0YR
United Kingdom

Internet Webpage: www.caa.co.uk

Email for coordination and implementation of this arrangement:

BilateralSafetyArrangements@caa.co.uk

Email for Design Approvals: apply@caa.co.uk

Email for Airworthiness Directives: adunit@caa.co.uk

11. INTERIM MEASURE

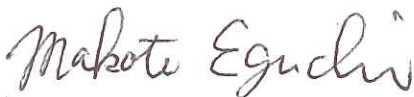
Approvals and certificates for organisations and Civil Aeronautical Products issued by the JCAB and the CAA prior to the operation of this Arrangement which are covered by this Arrangement and which continue to be in place after it has come into operation will be deemed to have been issued in line with this Arrangement.

12. COST RECOVERY

The activities performed under this Arrangement will not impose additional costs for the Authorities other than those defined by law or necessary to cover the cost of the activities performed.

Signed in duplicate in the English language.

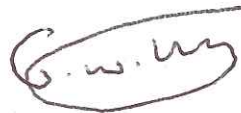
For the JCAB



Mr. EGUCHI Makoto
Director, Airworthiness Standards and
International Affairs Office
Airworthiness Division

Date: 25.7.2024

For the CAA



Mr. Garry Lathey
Head of Design and Certification
Chief Engineer

Date: 25-07-2024