

UKCAA TSO Workshop Presentation

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D&C Specialists & UKCAA TSO Focals
September 2023

Together we will



Do the
right thing



Never stop
learning



Build collaborative
relationships



Respect
everyone

Content

- UKCAA introduction, including Design & Certification Structure
- UKCAA issuance of UKTSOA's & ADOA Oversight
- UK version of CS-ETSO Amendment 17 update
- UK Part 21 update
- International arrangements for UKTSOA's



UKCAA Introduction

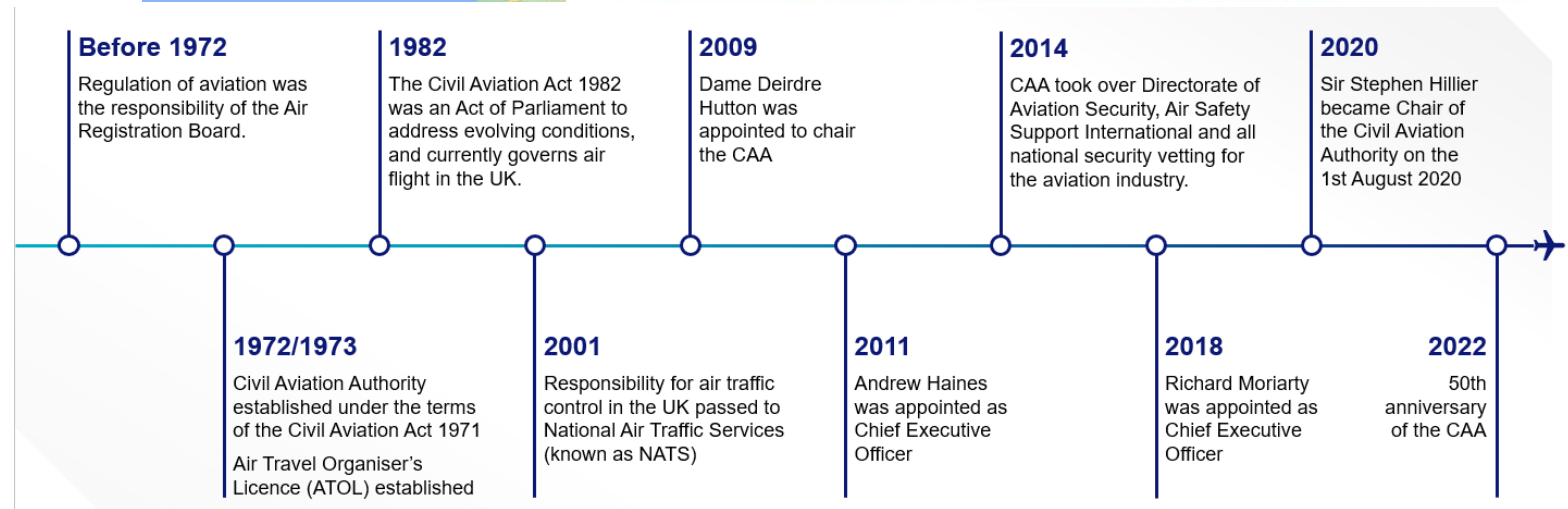
We are a public corporation, established by Parliament in 1972 as an independent specialist aviation regulator. The UK Government requires that our costs are met entirely from charges to those we provide a service to or regulate.

The duties of the CAA are set out in the Civil Aviation Act 1982, as amended.

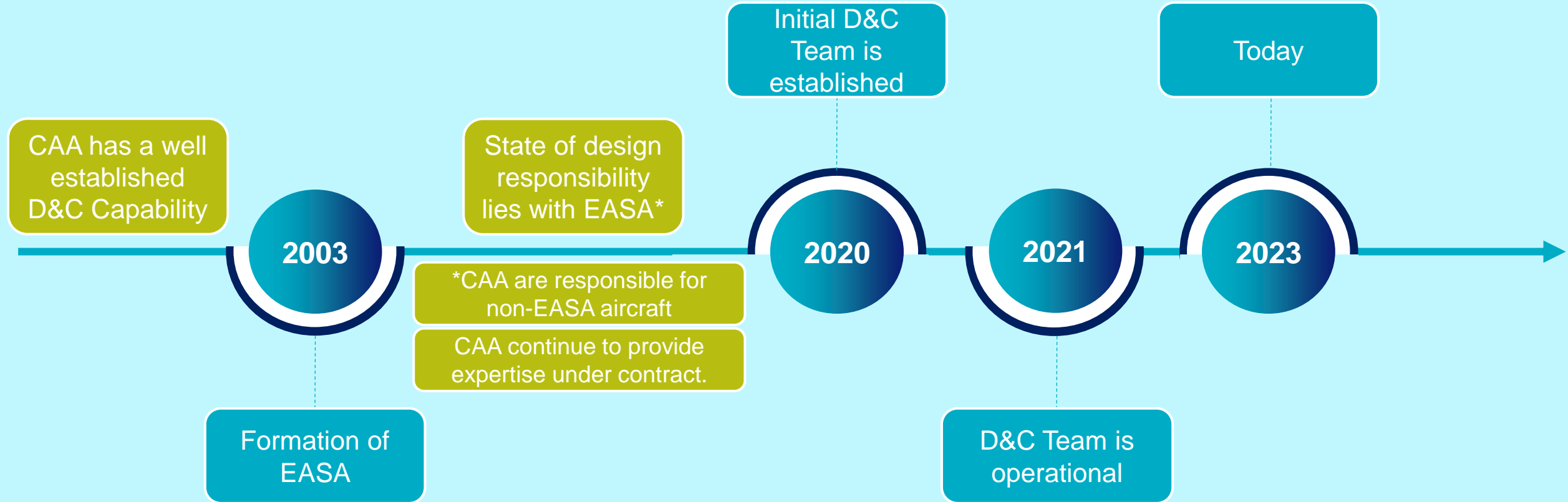
The CAA regulates aviation within the legislative framework as set by the government and overseen by the Department for Transport.

UK CAA remit:

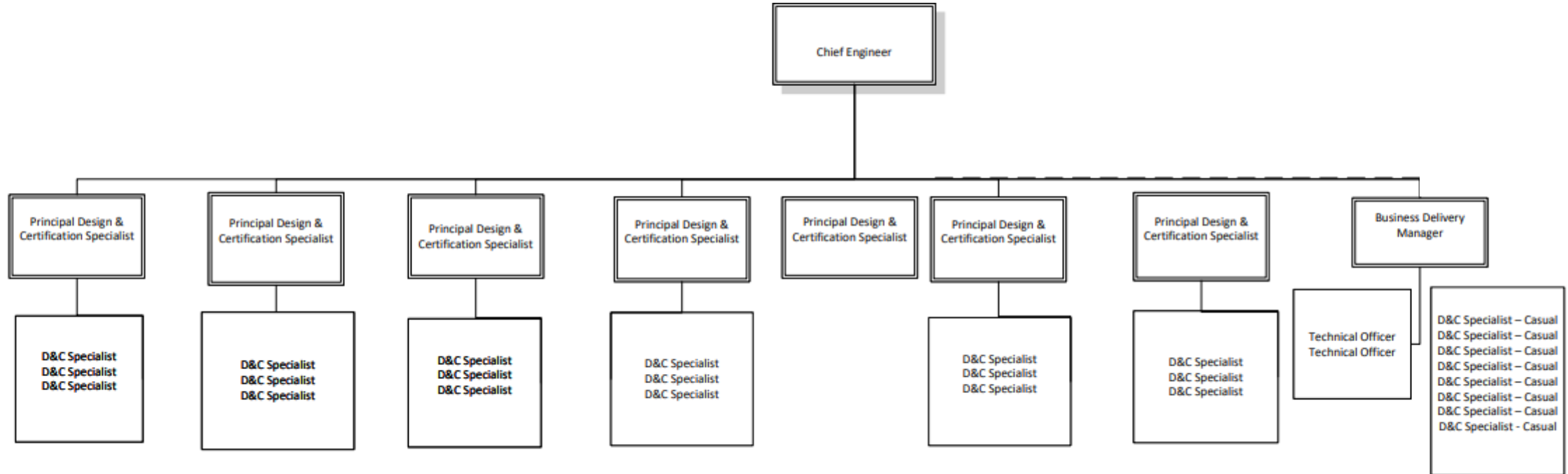
- **Certification of aircraft & equipment**
- Registration of aircraft
- Safety of air navigation and aircraft (including airworthiness)
- Health of persons on board aircraft
- Licensing of air crews and aerodromes
- We run the ATOL holiday financial protection scheme.
- We economically regulate some airports and certain aspects of air traffic control.



UKCAA Design & Certification History



Design & Certification Organisation Structure



D&C Principal Specialists: 7
D&C Specialists: 18 (full time), 8 (part time)
Support Function: 3

We are continuing to recruit...

Design & Certification Key Responsibilities

Continued Airworthiness

Keeping existing products safe

Design Organisation Oversight

Ensuring organisations are performing

Certification

Approval of designs from UK Organisations

Validation

Supporting UK Organisations getting overseas approvals
Approval of overseas designs for use in the UK



ADOA's & Equipment Approvals

ADOA

- Equipment Approvals/Simple STCs
- ~35 Organisations
- Oversight performed (2/3 year cycle)



UKTSOA's

- Issuance of UKTSOA against UKCAA version of CS-ETSO
- 28 UKTSOA's issued
- 12 UKTSOA's revised with changes

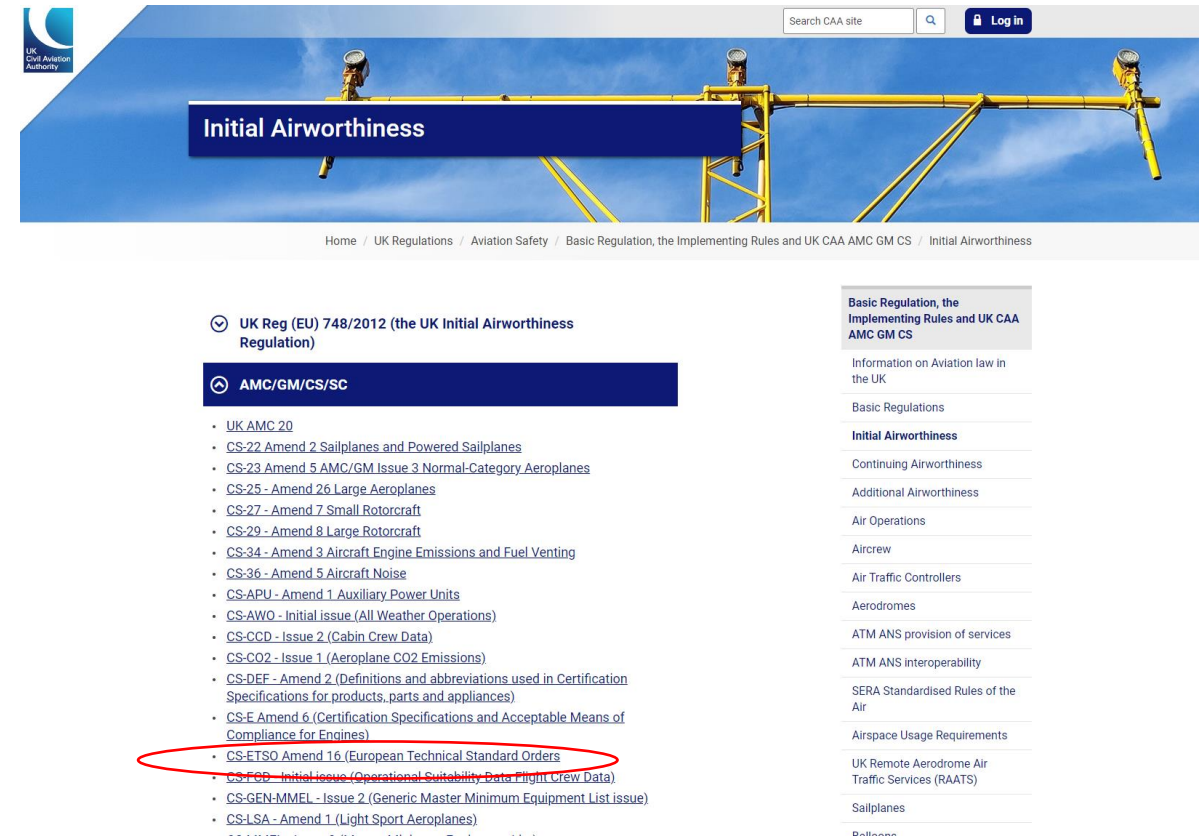


<https://www.caa.co.uk/commercial-industry/aircraft/airworthiness/type-certificate-and-type-approval-data-sheets/part-21/uk-technical-standard-order-authorisations/>



CS-ETSO Updates

- Internal policy mandate approved to introduce UKCAA version of CS-ETSO amendment 17.
- Technical content will be identical to that of EASA CS-ETSO amendment 17, i.e. 5 new & 12 amended TSO's
- Next steps; 'fast track' public consultation, disposition of comments and introduction of updated certification specification on UKCAA website. Note: the consultation was live at the time of the presentation creation.



UK Civil Aviation Authority

Search CAA site

Log In

Initial Airworthiness

Home / UK Regulations / Aviation Safety / Basic Regulation, the Implementing Rules and UK CAA AMC GM CS / Initial Airworthiness

UK Reg (EU) 748/2012 (the UK Initial Airworthiness Regulation)

AMC/GM/CS/SC

- UK AMC 20
- CS-22 Amend 2 Sailplanes and Powered Sailplanes
- CS-23 Amend 5 AMC/GM Issue 3 Normal-Category Aeroplanes
- CS-25 - Amend 26 Large Aeroplanes
- CS-27 - Amend 7 Small Rotorcraft
- CS-29 - Amend 8 Large Rotorcraft
- CS-34 - Amend 3 Aircraft Engine Emissions and Fuel Venting
- CS-36 - Amend 5 Aircraft Noise
- CS-APU - Amend 1 Auxiliary Power Units
- CS-AWO - Initial issue (All Weather Operations)
- CS-CCD - Issue 2 (Cabin Crew Data)
- CS-CO2 - Issue 1 (Aeroplane CO2 Emissions)
- CS-DEF - Amend 2 (Definitions and abbreviations used in Certification Specifications for products, parts and appliances)
- CS-E Amend 6 (Certification Specifications and Acceptable Means of Compliance for Engines)
- **CS-ETSO Amend 16 (European Technical Standard Orders)**
- CS-FCB - Initial issue (Operational Suitability Data Flight Crew Data)
- CS-GEN-MMEL - Issue 2 (Generic Master Minimum Equipment List issue)
- CS-LSA - Amend 1 (Light Sport Aeroplanes)

Basic Regulation, the Implementing Rules and UK CAA AMC GM CS

Information on Aviation law in the UK

Basic Regulations

Initial Airworthiness

Continuing Airworthiness

Additional Airworthiness

Air Operations

Aircrew

Air Traffic Controllers

Aerodromes

ATM ANS provision of services

ATM ANS interoperability

SERA Standardised Rules of the Air

Airspace Usage Requirements

UK Remote Aerodrome Air Traffic Services (RAATS)

Sailplanes

Ballons

<https://www.caa.co.uk/uk-regulations/aviation-safety/basic-regulation-the-implementing-rules-and-uk-caa-amc-gm-cs/initial-airworthiness/>



Part 21 Updates

Changes to Part 21 – Immediate adoption (01 July 2023) and New/Changes (from 01 July 2024)

Skywise SW2023/133 introducing changes to the following DOA relevant sections of Part 21:

- 21.A.5 Record Keeping (**NEW** from 01 July 2024)
- 21.A.6 Manuals (**NEW** from 01 July 2024)
- 21.A.7 ICA (**NEW** from 01 July 2024)
- 21.A.8 Access and investigation (**NEW** from 01 July 2024)
- 21.A.44 Obligations of the holder (**Changes** from 01 July 2024)
- 21.A.47 Transferability (**Changes** from 01 July 2024)
- 21.A.65 Continuing Structural Integrity for Aircraft Structures (**Immediate adoption** 01 July 2023)
- 21.A.90C Stand-alone changes to ICA (**NEW** from 01 July 2024)
- 21.A.109 Obligations and UKPA marking (**Changes** from 01 July 2024)
- 21.A.211 Duration and continued validity (**Changes** from 01 July 2024)
- 21.A.239 Design Management System (DMS) (**Changes** from 01 July 2024)
- 21.A.245 Resources (**Changes** from 01 July 2024)
- 21.A.247 Changes in design assurance system (**Changes** from 01 July 2024)
- 21.A.258 Findings and Observations (**Changes** from 01 July 2024)
- 21.A.259 Duration and continued validity (**Changes** from 01 July 2024)
- 21.A.263 Privileges (**Changes** from 01 July 2024)
- 21.A.619 Duration and Continued Validity (**Changes** from 01 July 2024)
- Several applicable Part 21.B sections amended

The Aviation Safety (Amendment) Regs 2023

The Aviation Safety (Amendment) Regulations 2023 ([SI 2023 No. 588](#)) was laid before Parliament on 30 May, which amends:

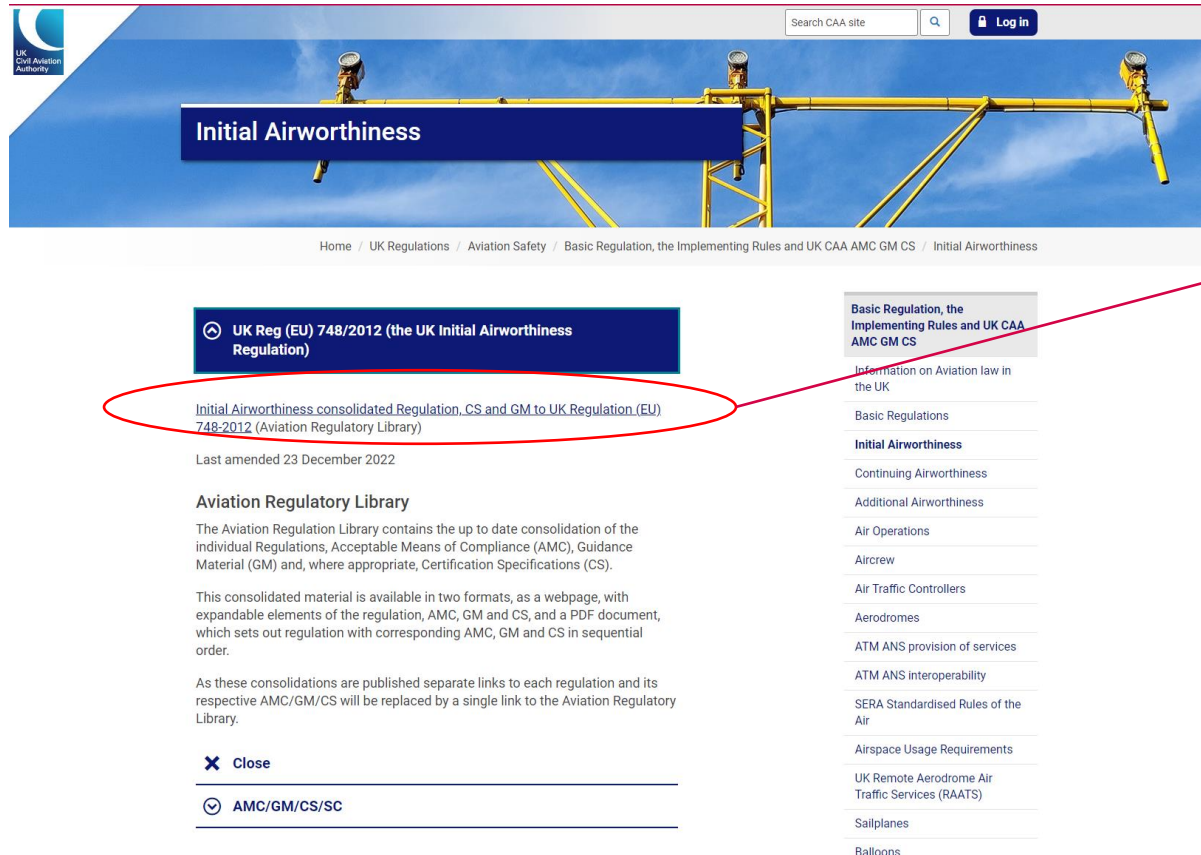
- UK Regulation (EU) 748/2012 (Initial Airworthiness)
- UK Regulation (EU) 1321/2014 (Continuing Airworthiness)
- UK Regulation (EU) 2018/395 (Balloons)
- UK Regulation (EU) 2018/1976 (Sailplanes)

A table setting out the various dates upon which the amendments made by this SI will come into force and can be found at [Details of retained EU law amended by The Aviation Safety \(Amendment\) Regulations 2023](#).

Updated consolidated versions of the Regulations, incorporating the amendments, will be published on the [CAA website](#) as soon as they are available.

SW2023/133

Part 21 Updates



Initial Airworthiness

Home / UK Regulations / Aviation Safety / Basic Regulation, the Implementing Rules and UK CAA AMC GM CS / Initial Airworthiness

UK Reg (EU) 748/2012 (the UK Initial Airworthiness Regulation)

Initial Airworthiness consolidated Regulation, CS and GM to UK Regulation (EU) 748/2012 (Aviation Regulatory Library)

Last amended 23 December 2022

Aviation Regulatory Library

The Aviation Regulation Library contains the up to date consolidation of the individual Regulations, Acceptable Means of Compliance (AMC), Guidance Material (GM) and, where appropriate, Certification Specifications (CS).

This consolidated material is available in two formats, as a webpage, with expandable elements of the regulation, AMC, GM and CS, and a PDF document, which sets out regulation with corresponding AMC, GM and CS in sequential order.

As these consolidations are published separate links to each regulation and its respective AMC/GM/CS will be replaced by a single link to the Aviation Regulatory Library.

X Close

AMC/GM/CS/SC

Basic Regulation, the Implementing Rules and UK CAA AMC GM CS

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Balloons



Initial Airworthiness Regulation

UK Regulation (EU) 748/2012

Text in this font colour shows changes that have been published but are not yet in force, as well as strike-through text where material is due to be deleted. Once the change comes into force, the text will be updated to show the most up to date consolidation.

<https://www.caa.co.uk/uk-regulations/aviation-safety/basic-regulation-the-implementing-rules-and-uk-caa-amc-gm-cs/initial-airworthiness/>

International arrangements for TSO's



Reciprocal acceptance of TSO's



Reciprocal acceptance of TSO's



Reciprocal acceptance of TSO's



UKCAA acceptance of ETSOA's
EASA validation of UKTSOA's
(full technical or streamline)

Thank you for your attention

UKTSO related questions to: certification.airworthiness@caa.co.uk

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