



EASA
European Aviation Safety Agency

Operational Suitability Data for Cabin Crew- Cabin Crew Data (CCD)

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Luana Herescu-Cabin Crew Expert

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CC Operational Evaluations - from OEB to OSD

History = OEB CC

- Commission Regulation (EC) No 859/2008 (EU-OPS)

(OEB relevant provisions regarding operation on more than one type or variant and training recommendations)



- Commission Regulation (EU) No 290/2012 - Air Crew, Annex V - Part CC
- Commission Regulation (EU) No 965/2012 - Air Operations, Annex III - Part ORO, Subpart CC



Present/Future = CC OSD

- Regulation (EU) 748/2012 – Annex I [**"Part 21"**] – has been amended to approve operational suitability data as part of the certification process (Regulation (EU) 69/2014)
- Part 21, Subpart B: Type-certificates and restricted type-certificates
- 21A.15 (d) 4 = Cabin Crew Operational Suitability Data(OSD-CCD)



Part-21, Subpart B Type-Certificates and Restricted Type-Certificates

21.A.15

...

(d) An application for a type-certificate or restricted type-certificate for an aircraft shall include, or be supplemented after the initial application to include the application for approval of operational suitability data, consisting of, as applicable:

1. the minimum syllabus of pilot type rating training, including determination of type rating;
2. the definition of scope of the aircraft validation source data to support the objective qualification of simulator(s) associated to the pilot type rating training, or provisional data to support their interim qualification;
3. the minimum syllabus of maintenance certifying staff type rating training, including determination of type rating;
4. **determination of type or variant for cabin crew and type specific data for cabin crew;**
5. the master minimum equipment list; and
6. other type-related operational suitability elements.



OSD Regulatory Framework - Overall

Part-21

Regulation (EU)
748/2012 as
amended by
Commission
Regulation (EU)
69/2014

Aircrew Regulations

Commission
Regulation
1178/2011 (amended
by Commission
Regulation 290/2012)

Annex V- Part -CC

Air Operations Regulations

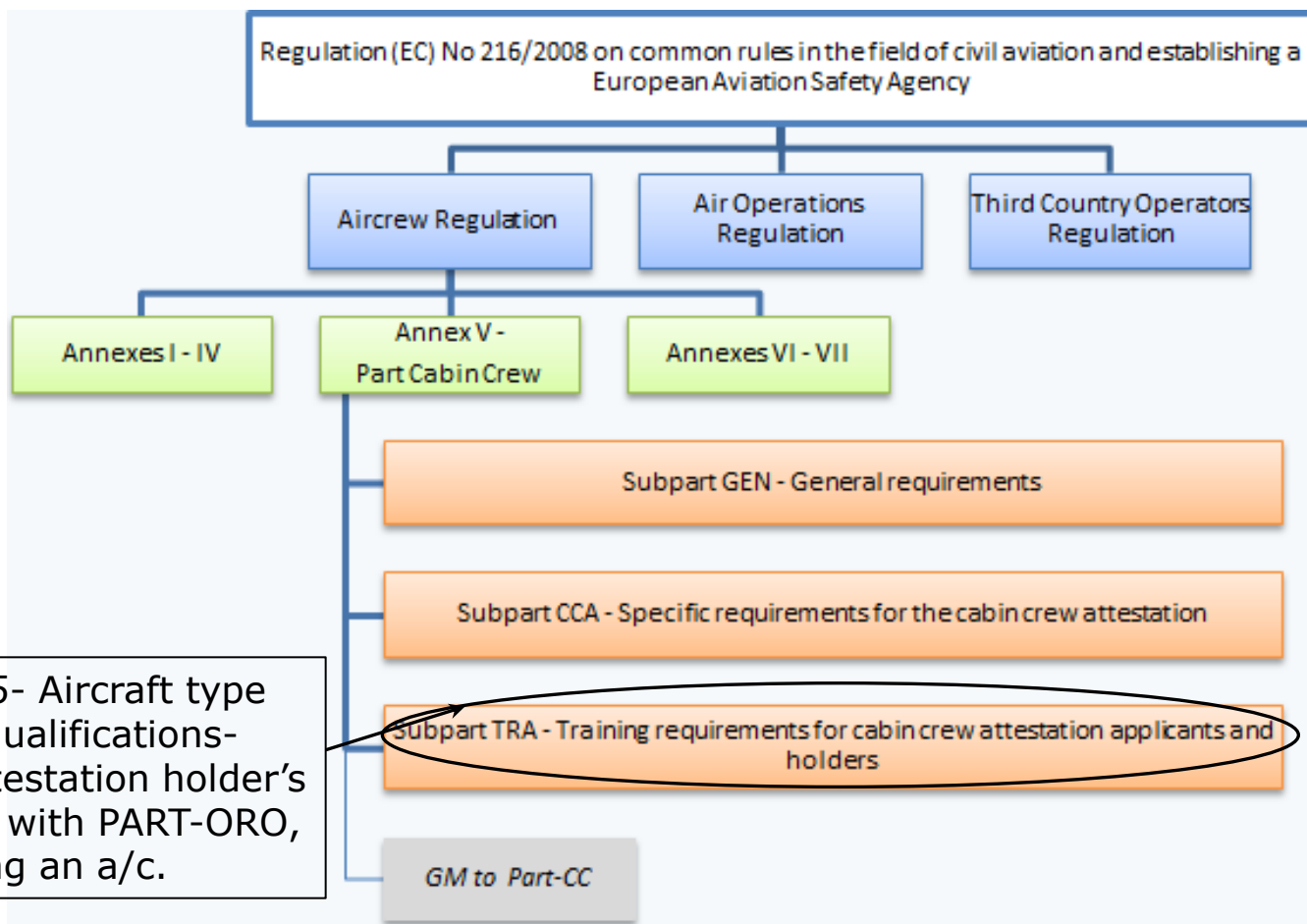
Commission
Regulation 965/2012

Annex III-Part-ORO



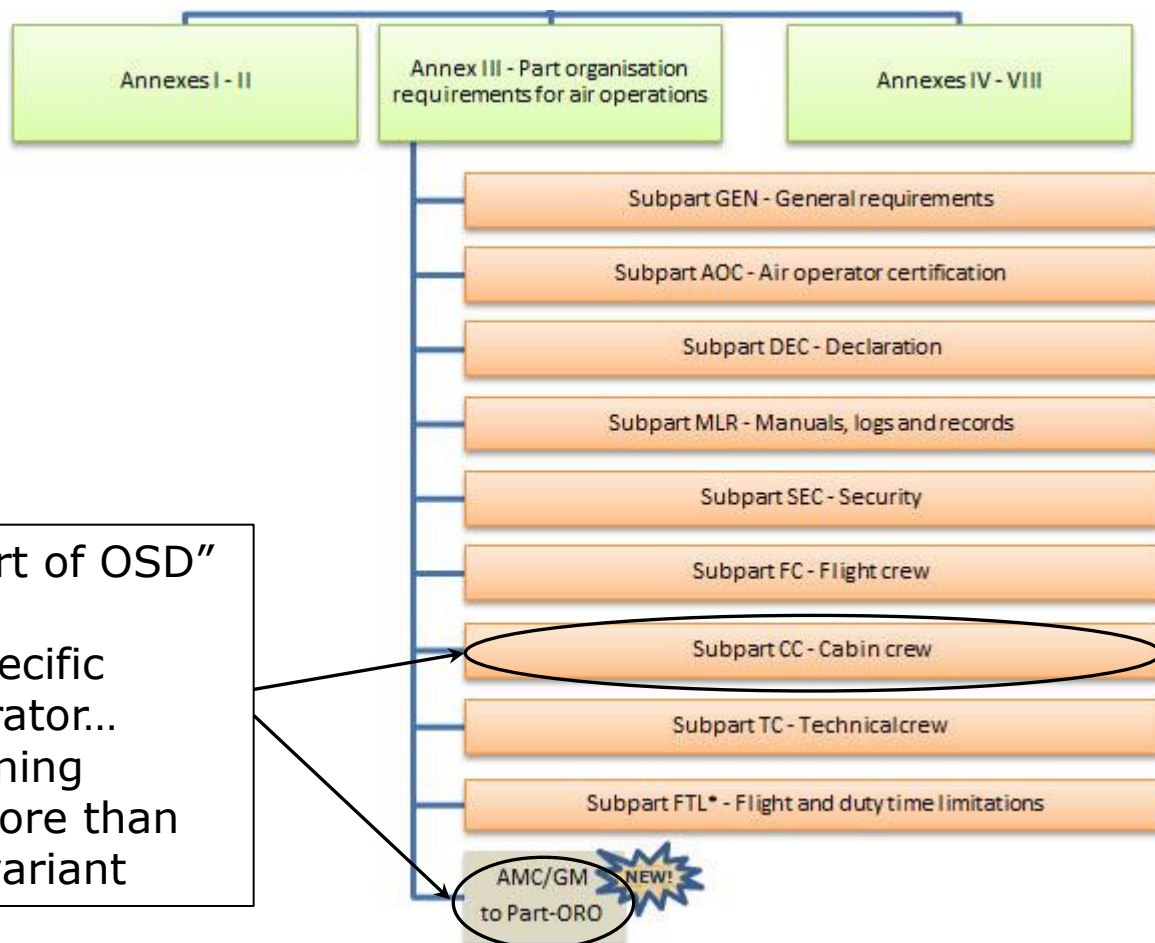
CC OSD Regulatory Framework - Aircrew

Aircrew: Part-CC – Cabin Crew





Air Operations: Part-ORO – Subpart CC (Cabin Crew)



Reference to “mandatory part of OSD”

ORO.CC.125 aircraft type specific training and operator...

ORO.CC.130 differences training

ORO.CC.250 operation on more than one a/c type or variant



21A.15(d) 4 compliance is detailed by CS-CCD

CS CCD.050 Scope

These Certification Specifications for Cabin Crew Data (CS-CCD) establish the specifications for the applicant for a type certificate, change approval or supplemental type certificate to develop and provide:

- (a) data for the determination process of a new type or variant for cabin crew; and
- (b) type specific data for cabin crew.

CS CCD.100 Applicability

These Certification Specifications are applicable to:

- (a) aircraft with a maximum passenger seating configuration capacity of more than 19 seats; and
- (b) aircraft with a passenger seating capacity of 19 seats or less required to carry cabin crew; and
- (c) any other aircraft with a maximum passenger seating configuration capacity of 19 seats or less if voluntarily elected by the applicant to facilitate operations with cabin crew.



Cabin Crew Operational Suitability Data consist of mandatory and non-mandatory elements for the user

➤ **Mandatory elements**

- Required by EU regulation 965/2012
- Must be included in training

➤ **Non-mandatory elements**

- Additional technical data
- Reference information for Operators Manual



CS-CCD BOOK 1

Appendix 1 to CS CCD.310 Type specific data content

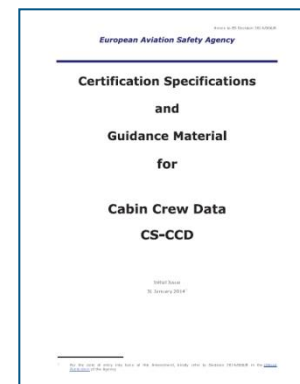
Type specific data content

The type specific data for cabin crew include the following, as relevant to the candidate aircraft:

Aircraft description

General

- (a) type of aircraft – narrow/wide-bodied; single/multi passenger deck;
- (b) range of operation and maximum operating altitude;
- (c) principal dimensions (length; height; width; wing span);
- (d) main characteristics (engines; landing gear; fuel tanks; flight controls; speed; maximum take-off weight);
- (e) engine danger area;





Cabin Crew Data – Mandatory and Non-mandatory elements

- **Mandatory elements** to be provided by the manufacturer
 - ✓ Determination of type or variant by assessing at least the following type specific elements, and the associated type specific data
 - aircraft configuration (e.g. narrow/wide - bodied; number of passenger decks);
 - doors/exits (e.g. number, types and location; assisting evacuation means);
 - aircraft systems (e.g. system operation; location; reset, etc);
 - normal and emergency operation of the relevant type specific elements.
- **Non-mandatory elements** by the manufacturer
 - ✓ additional data to support type training and differences training (e.g. portable safety & emergency equipment where installed, passenger seats, info from the 25.803 evacuation demonstration test, etc.)



Cabin Crew Operational Suitability - Availability and Deliverables

➤ **Availability:**

Cabin Crew Operational Suitability Data are:

- held by the TC/STC holder;
- approved by EASA;
- held and managed by the manufacturer;
- referenced in the Type Certificate Data Sheet (TCDS);
- made available upon request to Authorities, Approved Training Organisations, Operators and other users who have a need for the data.

➤ **Deliverables:**

- CS CCD. 400 – Cabin Aspects of Special Emphasis (CASE) - as a stand-alone document if necessary at the time of the Initial TC, or, included in the Type Specific Data of the respective new type or variant;
- CS CCD. 310 – Type Specific Data for the new type or variant;
- CS CCD. 215 – Aircraft Difference Table(ADT) for variant.



➤ **EASA Operational Evaluations for Cabin Crew use the Part-21 process for aircraft certification**

- The certification basis for Operational Suitability Data Cabin Crew consists of the CS-CCD, unless the Agency accepts other means; and
of any special conditions as described in Part-21
- Certification Review Items (CRI) are raised to address specific items – replacing (J)OEB Operational Review Items (ORI) / Issue Papers (IP)
- OSD evaluations are performed by a certification panel, monitored by the Product Certification Manager (PCM/PM)



CC OSD - TCH Implementation Compliance

Operational Suitability Data requirements are dependant on TC application/issue date, and on aircraft delivery to an EU operator

- TC issued before 17 Feb 2014
or
- TC application before 17 Feb 2014 & TC issued after 17 Feb 2014
and
- intending to deliver a new aircraft to an EU operator on or after 17 Feb 2014:
 - ✈ OSD required no later than 18 Dec 2015 or before the aircraft is operated by an EU operator, whichever is the latest
- Existing (J)OEB Reports constitute the Operational Suitability Data Cabin Crew
 - ✈ (J)OEB Reports will be transposed into OSD Cabin Crew Data



Cabin Crew Operational Suitability Data mandatory elements to be included in type training and differences training

- Training Organizations (under AOC) must include mandatory training elements
 - in all courses seeking approval after 17 Feb 2014
 - in all courses approved before 18 Feb 2014:
not later than 17 Feb 2016 or within two years after the operational suitability data was approved, whichever is the latest
- Operators shall ensure that cabin crew member training includes any mandatory OSD CC data
 - before starting operation of new aircraft having approved OSD CC data
 - not later than 18 Dec 2017 or two years after the approval of any OSD CC data (whichever is the latest) for cabin crew members assigned for duty on aircraft already in operation



Changes to CC OSD

COMMISSION REGULATION (EU) No 69/2014 of 27 January 2014 amending Regulation (EU) No 748/2012.....

Article 2

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

Points 16-34 and point 43 of the Annex shall apply to applicants for the approval of a change to a type- certificate as well as applicants for a supplemental type-certificate **from 19 December 2016.**

(33) in point 21.A.120, the title is replaced by the following:

21.A.120A Instructions for continued airworthiness’;

.....

(34) the following point 21.A.120B is added to Subpart E:

‘21.A.120B Availability of operational suitability data

In the case of a change affecting the operational suitability data, the holder of the supplemental type-certificate shall make available:

- (a) at least one set of changes to the operational suitability data prepared in accordance with the applicable operational suitability certification basis, to all known EU operators of the changed aircraft, before the operational suitability data must be used by a training organisation or an EU operator; and
- (b) any further change to the affected operational suitability data, to all known EU operators of the changed aircraft; and
- (c) on request, the relevant parts of the changes in points (a) and (b) above, to:
 - 1. the competent authority responsible for verifying conformity with one or more elements of the affected operational suitability data; and
 - 2. any person required to comply with one or more elements of this set of operational suitability data.’



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End

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