

Introduction to the OSD regulatory framework

EASA OSD Workshop – 21 October 2015

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Presentation summary

- ◆ History and background
- ◆ OSD vs OEB - Is it worth the effort?
- ◆ The regulatory framework
- ◆ OSD Certification Specifications
- ◆ OSD implementation timeline
- ◆ Process for type certified aircraft
- ◆ The EASA OSD Team



History and Background

JOEB



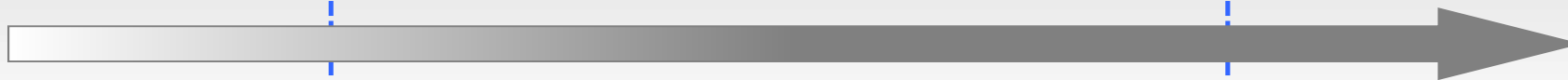
JOEB > EOEB



OSD



Evolution of the OPS/FCL evaluation into the OSD





OSD vs OEB

OSD



- ◆ Based on Basic Regulation and Part 21
- ◆ Required for the OEMs
- ◆ Mandatory for the end user
- ◆ Scope includes 5 (+1) OSD Constituents



OSD vs OEB - the effort and the challenge

- ◆ Deeper involvement of EASA TC holders in the development and approval of OSD
- ◆ Links created within Training and OPS requirements
- ◆ Streamlining of the OSD in the certification/validation processes
- ◆ Need to establish a certification basis
- ◆ Need for DOAs to integrate the OSD process
- ◆ Data owned and maintained by the TC holder
- ◆ Inclusion in bilateral agreements with EASA Partners

Is it worth it?



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A person wearing a blue helmet, sunglasses, and a black climbing suit is standing on a rocky, snow-covered mountain peak. A yellow rope is visible, extending from the person down the slope. The background shows a vast, snowy mountain range under a clear blue sky.

**“success
is dependent on
effort.”**

Sophocles



Success = OSD

“Data that is considered necessary for the safe operation of an aircraft!”





OSD Regulatory Framework – Part-21

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 – Part-21

21.A.62 – Availability of operational suitability data

The holder of the type-certificate or restricted type-certificate shall make available:

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



OSD Certification Specifications

CSs already published

- ◆ **CS MMEL** (Annex to ED Decision 2014/004/R)
- ◆ **CS-GEN-MMEL** (Annex to ED Decision 2014/005/R)
- ◆ **CS-CCD** (Annex to ED Decision 2014/006/R)
- ◆ **CS-FCD** (Annex to ED Decision 2014/008/R)
- ◆ **CS-SIMD** (Annex to ED Decision 2014/033/R)

CSs still in progress

- ◆ **CS-MCSD** (RMT.0106, NPA 1st quarter 2016 – interim period to be covered through CM-MCSD-001)



OSD Regulatory Framework - Overall

Initial Airworthiness (Part-21)

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

Continuing Airworthiness (Part 66, Part 147)

Commission
Regulation
(EU) No
1321/2014

Aircrew Regulation

Commission
Regulation
1178/2011
“Part-FCL”

AMC & GM
to Part-FCL
and to Part-
ORA

Air operations (Part-ARO, -ORO, Part-CAT, -SPA)

Commission
Regulation
965/2012

AMC & GM
to Part-ORO



OSD implementation timeline

Commission Regulation (EU) 69/2014



OSD
Implementation

18 Jun
2014

Deadline for
OSD approval
(and extension
of DOA scope)

19 Dec
2016


17 Feb
2014

OEMs to
propose M vs
NM elements


18 Dec
2015 or EIS

Applicability for
STC and
changes

for EASA OSD Workshop - 21 Oct 2015
grandfathering



OSD Process for type certified in production A/C

EASA OWNED



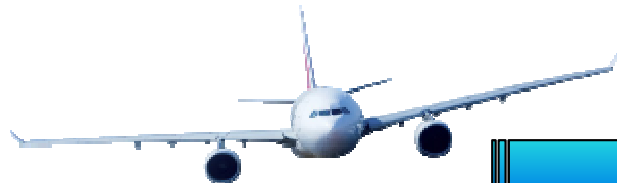
Grandfathering



TCH OWNED



"Catch-up" process



The OSD Team



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OSD: Bridging certification and operations.

Thank you!

