

ATM/ANS Equipment certificate, attestation basis, Part Number

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**ATM/ANS Equipment
Conformity Assessment
Workshop**

23rd&24th June 2025



Scope

- EASA ATM/ANS Equipment Certificate
- Certification basis / attestation basis
 - Newly introduced taxonomy for Detailed Specifications
 - Deviations
 - Incomplete Function
- Part number & anticipated minor change

Starting from EASA ATM/ANS Equipment Certificate

Certificate
reference nb



ATM/ANS EQUIPMENT CERTIFICATE

EASA.ATMEQ.CER.100XXXXX

This Certificate is issued by EASA, acting in accordance with Regulation (EU) 2018/1139, subject to the conditions specified below, to

DPO NAME
approved as DPO.XXX

STREET NUMBER
POSTAL CODE CITY

Certification
basis

(EU) 2023/1768 and Detailed Specification
DS-GE.CER/DEC issue 1, CER.AFDP.1, CER.VCOM.1

Approved DPO
references

Taxonomy of
DS function.
NEW!

Equipment
Designation
Model name +
Part Number

Specific
conditions for
compliance

Remarks:
XXX

Deviations:
XXX

Limitations:
XXX

Approved Deviations
to DS /AMC to DS

Reference of
Declaration of Design
Performance (DDP)*

DDP No. J98061AA, REVISION 02, or Subsequent Revisions(*)

Subsequent Revisions released following approved DPO change management procedures.

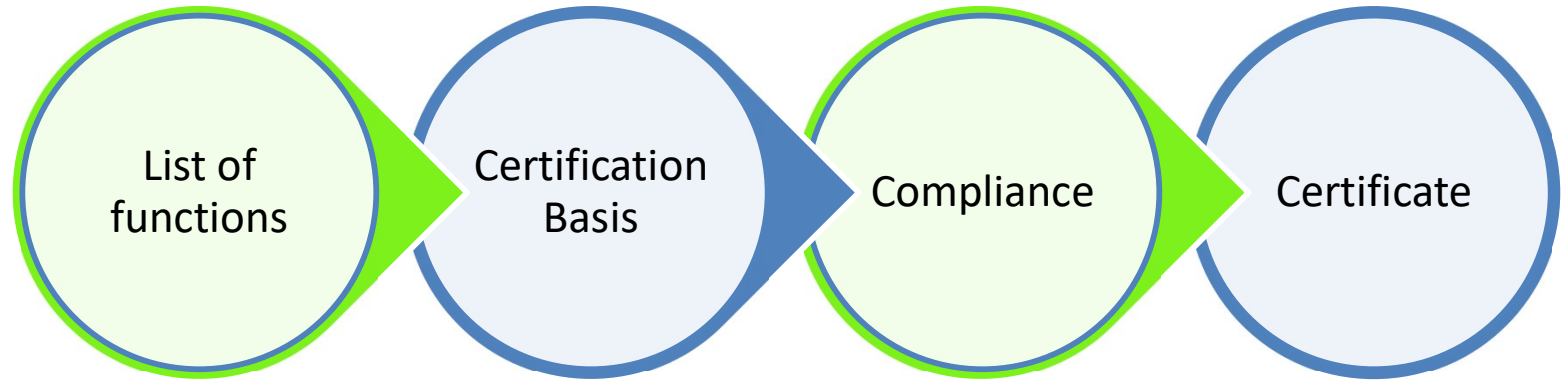
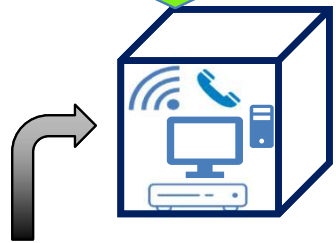
See Continuation Sheet(s)

* Final DPO document attesting the compliance to the regulations and DS

From equipment definition to Certificate

Equipment

Model Name
Part Number*

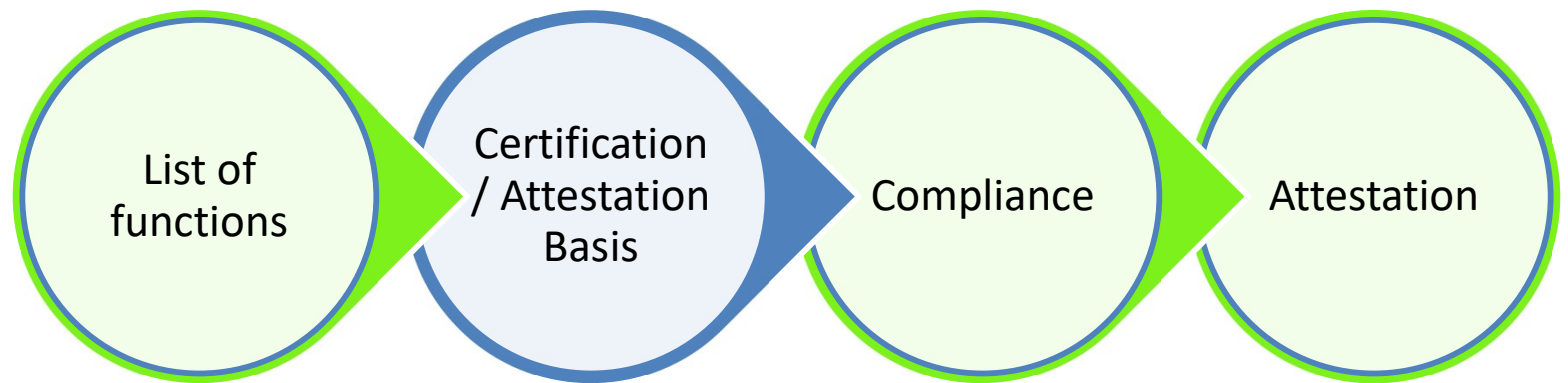


→ Per (EU)2023/1768&1769 regulations, *PN → DPO may anticipate provision for minor changes

In more generic terms > From equipment definition to **Attestation**

Equipment

Model Name
Part Number



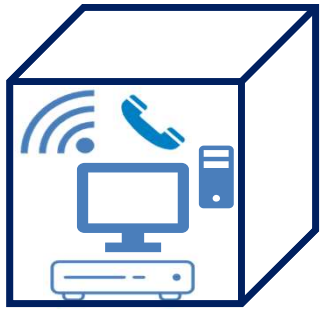
 **DPOA***

* DPO approval required for articles 4 & 5 of (EU)2023/1768

Certification basis / Attestation basis



Certification basis



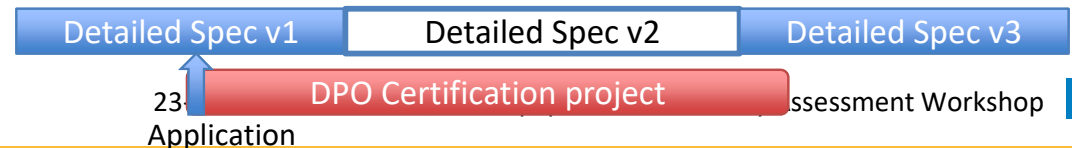
→ (EU)2023/1768 Art. 4 eqt → requires EASA Certificate

- Equipment described with a list of embedded functions
- Certification basis =

→ **all DS sections that are applicable to the listed functions + General sections**

→ Use the revision/issue of Detailed Specifications that is applicable **at time of application!**

- when Detailed Specifications is updated during project life time, on voluntary basis, the DPO holder may elect to apply newer revisions of the DS.



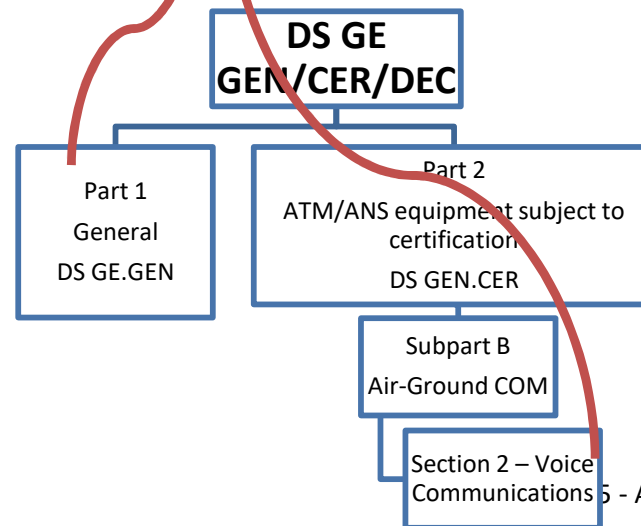
Certification basis



→ *Example for Voice communications system*

→ **Certification basis**

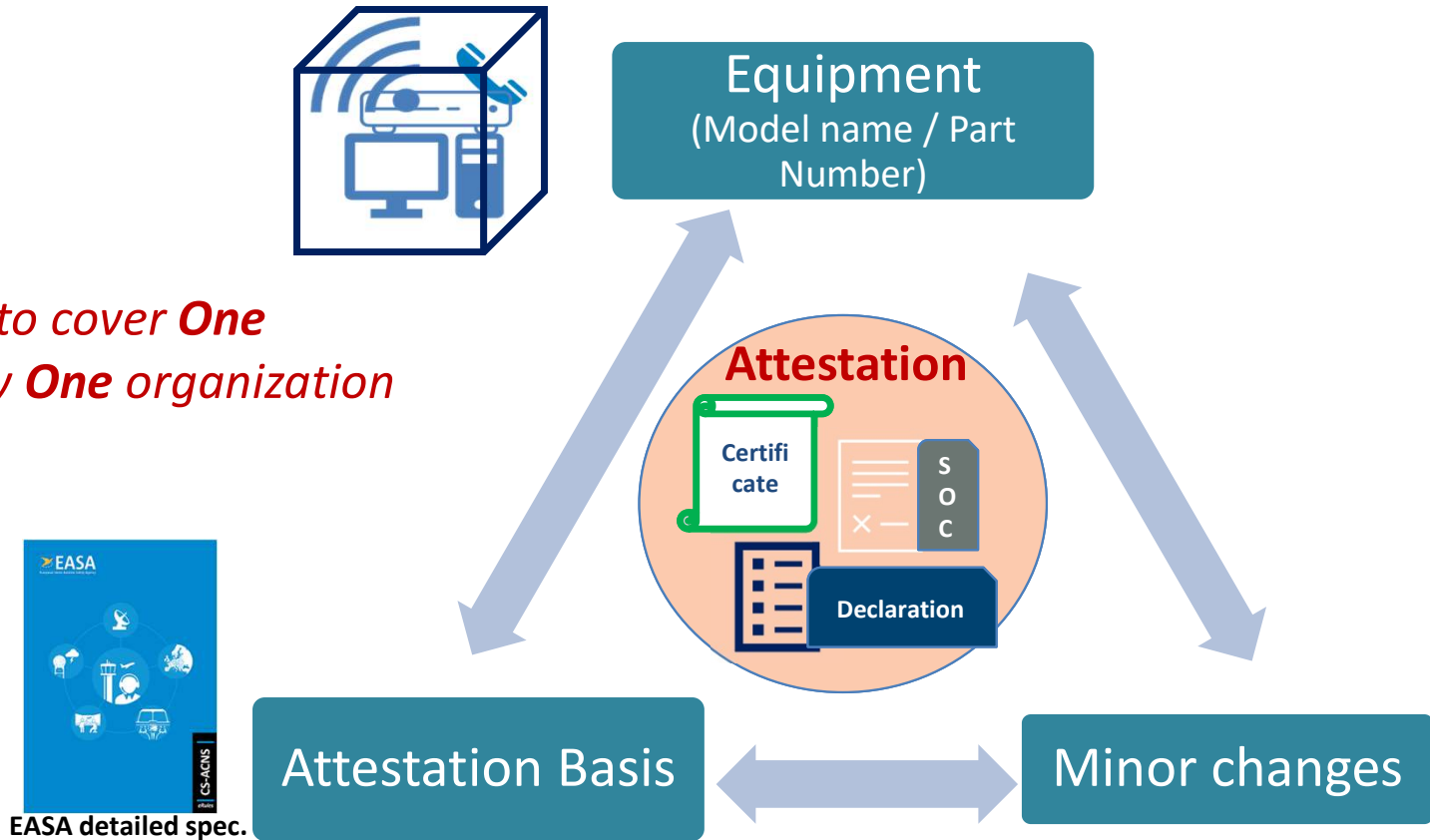
❖ Go to DS



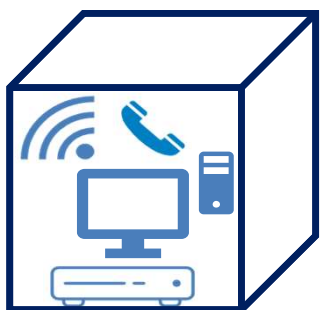
Using the [taxonomy](#) recently published →
CERDEC.GEN.1 + CER.VCOM.1

Concept into conformity attestation framework

One attestation to cover **One** equipment PN by **One** organization (DPO or ANSP)



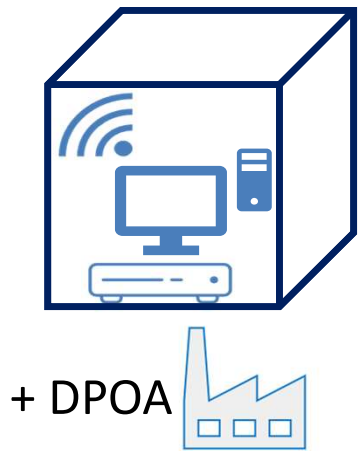
Certification basis in case of multiple functions



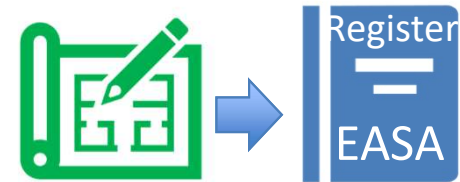
- (EU)2023/1768 Art. 4 eqt → requires EASA Certificate
- Equipment described with a list of embedded functions
- Certification basis = all DS sections that are applicable to the listed functions + General sections
- **If DEC or SoC functions inside (as well)** → need to identify them in certification (attestation) basis section of the DPO certification program and DPO final declaration document
- No need for additional Declaration / SoC : only one single attestation for the equipment identified with Model name and PN
 - EASA Certificate covers the full set of functions and will reflect the CER/DEC/SoC functions
 - EASA level of involvement will be commensurate to the type of functions.



Attestation basis in DDC context

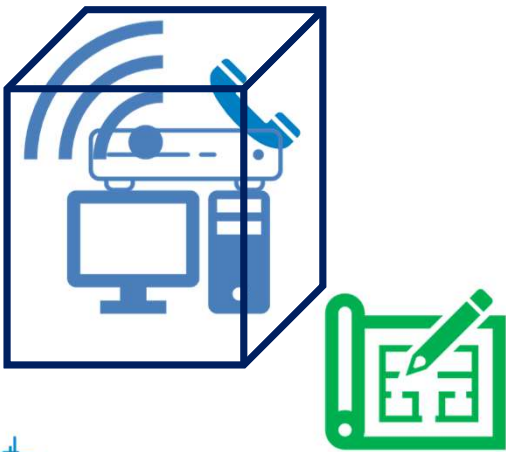


- (EU)2023/1768 Art. 5 eqt → requires an “EASA registered” Declaration of Design Compliance (DDC)
- Equipment described with a list of Embedded functions
- Attestation basis within the Declaration
= all DS sections that are applicable to the listed functions + General sections – **at date of DDC submission**
 - *If SoC functions inside (as well) → need to identify them in attestation basis of the Declaration of Design Compliance*
 - *EASA registration of the declaration of DEC equipment covers all the equipment functions.*
 - *No need for extra SoC by the DPO: : only one attestation for One equipment PN!*



Attestation basis in SoC context

- (EU)2023/1768 Art. 6 eqt → requires a SoC
 - Need to state the list of embedded functions
 - ensures it does NOT contain CER/DEC functions
 - Attestation basis = all DS sections that are applicable to the listed functions + General sections - at date of SoC release.
 - Attestation issued by ANSP or by 'delegated' DPOs,
 - *One attestation to cover the equipment PN by one organization*
 - *Each ANSP issues its SoC for that Model/PN.*
 - *If issued by DPO : only 1 SOC can be issued for the same Model/PN.*



Deviations to applicable Detailed Specifications – Art 4.

ATM/ANS.EQMT.CERT.015 Application for an ATM/ANS equipment certificate

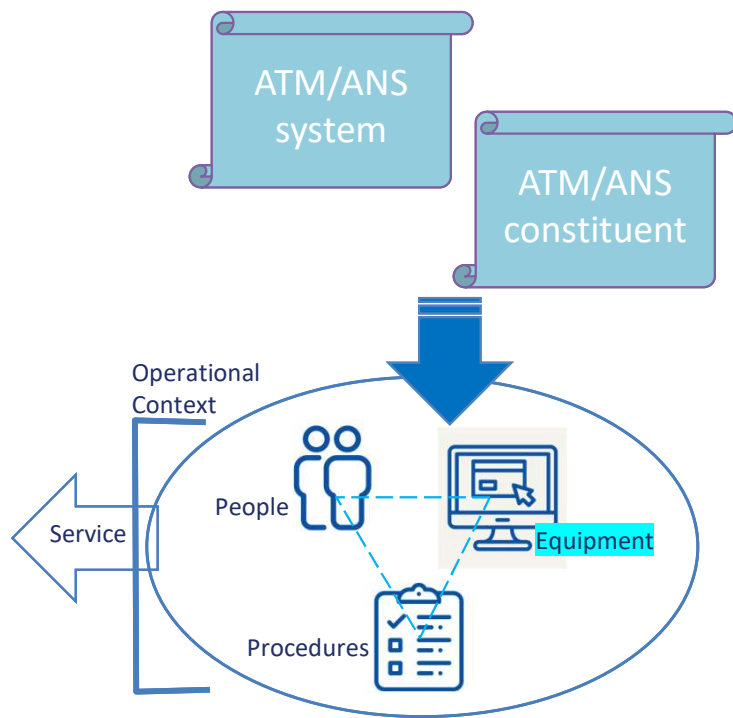
- (2) a certification programme for the demonstration of compliance in accordance with point [ATM/ANS.EQMT.CERT.025](#), consisting of the following:
 - (i) a detailed description of the design, including all the configurations to be certified;
 - (ii) the proposed equipment characteristics and limitations;
 - (iii) the intended use of the ATM/ANS equipment;
 - (iv) a proposal for the initial certification basis, including applicable detailed certification specifications, proposed special conditions, proposed equivalent safety findings, as well as a proposed means of compliance and **proposed deviations**, as applicable, prepared in accordance with the requirements and options set out in point [ATM/ANS.EQMT.AR.B.001](#);

➤ *Deviations to applicable Detailed Specifications are amending the applicable Certification basis - subject to EASA approval.*

Equipment providing “Incomplete function”



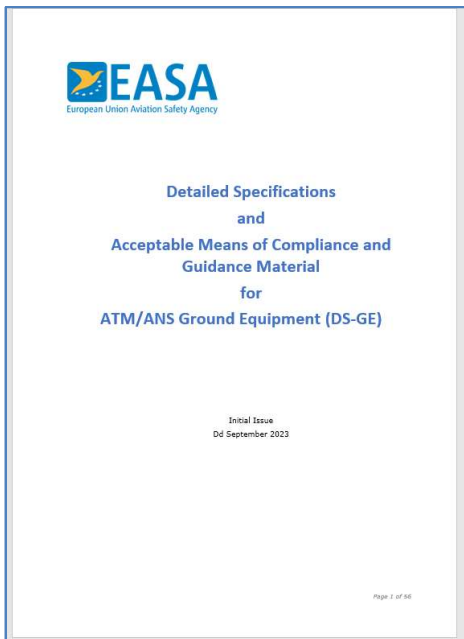
ATM/ANS equipment in (EU)2023/1768



- ATM/ANS equipment ‘perimeter’ is **not prescribed**: may refer to a single constituent, or aggregation of constituents (i.e. system), hardware and/or software component(s)
- functional system is common to both Regulations (EU) 2023/1768 & 2017/373 (same definition)
- ATM/ANS equipment is the “equipment component” of the functional system of ATM/ANS providers

Note: “ATM/ANS system” should not be confused with “functional system”

Detailed Specifications “identify” ATM/ANS equipment by aggregation of functions



- Detailed Specifications cover equipment that performs a function(or set of functions)
- DSs is addressed to all constituents of equipment that are necessary to perform the function(s)
 - Complete: equipment contains all electronic Hardware and Software necessary to perform the functions as specified
 - Incomplete: equipment is only part of the function and need other constituent to complete the function.
- EASA attestation framework enables notion of “Incomplete function”, but requires
 - clarity and meaningfulness in the perimeter covered for each attestation : e.g. only SW function (to be installed in a defined HW platform)
 - DPO to approach EASA to assess acceptance of the ‘incomplete’ perimeter

EASA implementation of Conformity Attestation Framework (CAF)

- allows attestation of constituent, introducing the notion of incomplete function,
- + → with clear 'restricted scope/incompleteness' defined, associated limitations

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approved as DPO.XXX

STREET NUMBER
POSTAL CODE CITY
COUNTRY

In accordance with Commission Delegated Regulation (EU) 2023/1758 and Detailed Specification DS-GE.CER/DEC Issue 1, CER-XXXX, CER-XXXX, for

MODEL NAME (e.g. EUROPEFDP v1.2)
PART NUMBER (e.g. B12345A[x][y][z])

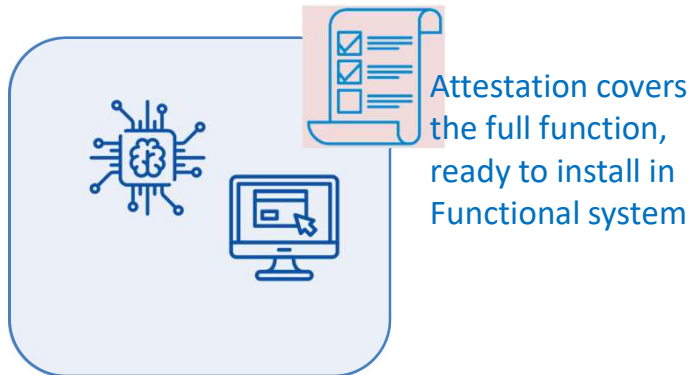
DDP No. J98061AA, REVISION 02, or Subsequent Revisions(*)

Remarks:
XXX

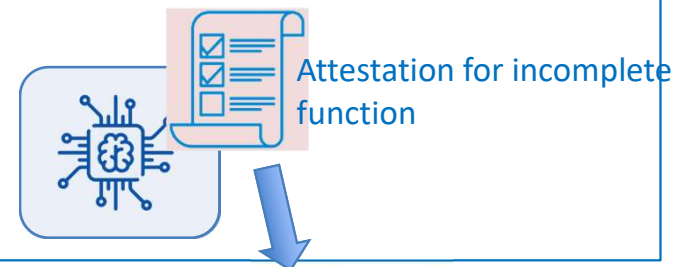
Deviations:
XXX

Limitations:
XXX

➤ Complete function



➤ Incomplete function



Certificate & Part number & Cert./Attest. basis



Certificate identify the Equipment designation



The image shows a sample EASA ATM/ANS Equipment Certificate. It features the EASA logo at the top left. The title is 'ATM/ANS EQUIPMENT CERTIFICATE'. Below it is the certificate number 'EASA.ATMEQ.CER.100XXXXX'. A paragraph states: 'This Certificate is issued by EASA, acting in accordance with Regulation (EU) 2018/1139, subject to the conditions specified below, to'. The recipient is identified as 'DPO NAME approved as DPO.XXX'. Address fields include 'STREET NUMBER', 'POSTAL CODE CITY', and 'COUNTRY'. The certificate is issued 'in accordance with Commission Delegated Regulation (EU) 2023/1768 and Detailed Specification DS-GE.CER/DEC issue 1, CER.AFDP.1, CER.VCOM.1... for'. The equipment is identified by 'MODEL NAME (e.g. EUROPEFDP v1.2)' and 'PART NUMBER (e.g. B12345A[x][y][zz])'. It is approved under 'DDP No. J98061AA, REVISION 02, or Subsequent Revisions(*)'. There are sections for 'Remarks:', 'Deviations:', and 'Limitations:', each followed by 'XXX'. A footnote states: '(*) Subsequent Revisions released following approved DPO change management procedures.' At the bottom, it says 'See Continuation Sheet(s)'.

EASA
European Union Aviation Safety Agency

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in accordance with Commission Delegated Regulation (EU) 2023/1768 and Detailed Specification DS-GE.CER/DEC issue 1, CER.AFDP.1, CER.VCOM.1... for

MODEL NAME (e.g. EUROPEFDP v1.2)
PART NUMBER (e.g. B12345A[x][y][zz])

DDP No. J98061AA, REVISION 02, or Subsequent Revisions(*)

Remarks:
XXX

Deviations:
XXX

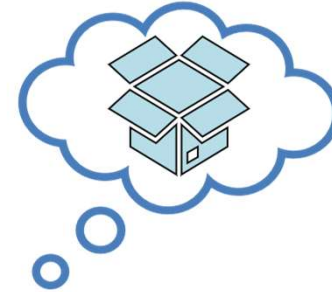
Limitations:
XXX

(*) Subsequent Revisions released following approved DPO change management procedures.

See Continuation Sheet(s)

Equipment
Designation
Model name +
Part Number

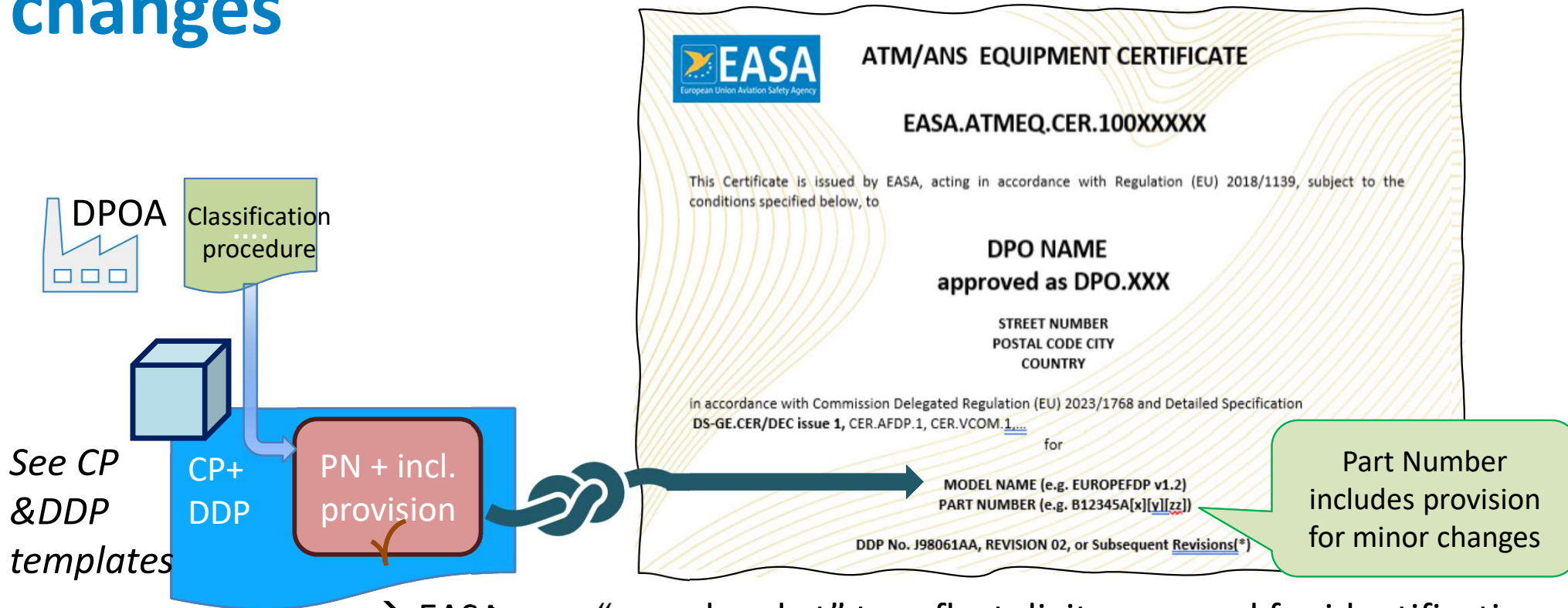
When anticipation of Design changes for Art. 4 equipment (CER):



When

1. DPO has a system in place to classify minor/major in its scope of work.
2. If DPO anticipates for minor changes in its part numbering scheme presented in the Certification Program and reach EASA agreement
 - **Certificate identifies the Part Number with provision for minor changes**
 - *One certificate covers the 'initial' equipment and its 'future minor changes', provided they are duly minor.*
 - DDP will be referenced , including 'subsequent' revision

Initial Certification – if anticipating for minor changes



→ EASA uses “open bracket” to reflect digits reserved for identification of **minor** changes ! **PART NUMBER e.g. B12345A(x)(y)(zz)**

Cert. basis & Design change for Art.4 Equipmt

- Minor change → Use of same cert basis than original (no upgrade)
 - Major change : need to apply for new certificate → take newest cert. basis in latest applicable DS
-
- If DPO wishes to change the certification basis → this is classified Major (i.e. this is considered 'significant enough to perform reinvestigation')

Thank You

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Your safety is our mission.

An Agency of the European Union 

List of acronyms

AMC	Acceptable Means of Compliance
ANS	Air Navigation Service
ANSP	Air Navigation Service Provider
ATM	Air Traffic Management
CER/CERT	Certification
CP	Certification programme
DDC	Declaration of Design Compliance
DDP	Declaration of Design Performance
DPO	Design or Production Organisation
DPOA	Design or Production Organisation Approval
DEC	Declaration

DS	Detailed Specifications
EASA	European Union Aviation Safety Agency
EU	European Union
EQMT	Equipment
GM	Guidance Material
PCM	Project Certification Manager
PN	Part Number
SEPIAC	Shared Electronic Platform for Initial Airworthiness Certification
SoC	Statement of Compliance
Q&A	Questions and answers

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 **EASAWorkshop01:-)**

Thank you

Any question?

Or scan



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