## Declaration of Design and Performance – template

Through the update of Part 21, ref EU 897/2019, the content requirements for the DDP have evolved. The AMC 21.A.608 has not yet been updated to reflect this (but will be done at next opportunity), therefore this template has been created as additional guidance material. Main differences with the current AMC 21.A.608 are highlighted blue.

*Note 1: If certain sections in the DDP are not applicable for the subject ETSO article, please state N/A accordingly (but keep the section numbering).*

*Note 2: The DDP template foresees the possibility that ETSOA Applicant/Holder is different from the Manufacturer. If this is not the case, the section 1 may be simplified and state just the single entity.*

**Declaration of Design and Performance**

DDP No. ....................

ISSUE No. ..................

Date: ……

1. Name and address of ETSOA Applicant/Holder

Name and address of the Manufacturer, if different from ETSO applicant/holder

1. Description and identification of article including:

Article designation:

Model/Type No:………………..

Part number(s)No: …………………………..
(including eventual provision for minor changes, modification standard if any)

*Note: when several articles are composing the approved part, the part number of each article should be listed. In particular, for articles embedding software for which the configuration is not set by the hosting hardware part-number, the software loadable part number(s) should be identified. A compatibility matrix or equivalent information should be provided showing the authorized configurations.*

*When the part number is including open brackets, the DDP should also list the individual approved part numbers covered by the open brackets. The DDP should address the performance of these individual part numbers.*

1. List of ETSO function and non-ETSO functions (when present)

Identification of the article functions, make clear distinction between the ETSO functions and the Non-ETSO functions.

1. Specification reference, i.e. ETSO standard and applicable CS-ETSO amendment, to the article ETSOA Applicant/Holder and/or if applicable to the aircraft manufacturer design specification.

ETSO-…..

1. Master drawing reference: …
*Note: optionally add article marking drawing reference, if not already specified in the Certification Programme.*
2. The rated performance of the article directly or by reference to other documents.

Equipment type, class, …

Weight and overall dimensions

Limits of accuracy of measuring instruments

1. A statement of the assumed failure condition classification used as a design input (see CS-ETSO subpart A)
2. A statement of the software level(s) used (or ‘None’ if not applicable), along with the applicable development assurance standards and/or other means of compliance with their version.

(Note: For Software levels and applicable standard, refer to CS-ETSO subpart A)

For those articles containing software, and as required per the Software standard, references to:

* Plan for Software Aspects of Certification
* Software Configuration Index
* Software Accomplishment Summary
1. For Airborne electronic Hardware a statement of design assurance level for complex hardware used or ‘None’ if not applicable along with the applicable development assurance standards and/or other means of compliance with their version.
 (Note: for design assurance levels, refer to CS-ETSO subpart A)
For those articles containing Complex Electronic Hardware, as required by the Airborne Electronic Hardware standard, references to:
* Plan for Hardware Aspects of Certification
* Hardware Configuration Index
* Hardware Accomplishment Summary
1. Any other known limitations (including open problem reports for SW and AEH) which may limit the application on the aircraft e.g., restrictions in mounting attitude or non-compliance to the article specification, installation limitation.

*Note 1: When there isn’t any limitation to the ETSO article, it is still worth having a section to mention it (i.e. None).*

*Note 2: For software and Airborne Electronic Hardware the Open Problem Reports description should follow the applicable guidelines (as introduced in ED-94C DP #9).*

1. Deviations from ETSO standard(s) (if applicable)

*Note 1: Deviations which have already been published should be referenced with their publication number (such as Deviation ETSO-Cxxx#yy published in ETSO.DevP.zz)*

*Note 2: When there isn’t any deviation to the ETSO standard, it is still worth having a section to mention it (i.e. None).*

1. A statement of the level of compliance of the article to the ability to withstand various environmental conditions; in the form of an Environmental Qualification Form.

With a reference to Environmental Qualification Test Plan and Report(s) (refer to EUROCAE ED–14/RTCA document DO–160)

1. For radio transmitters the transmitting frequency band, maximum trans­mitting power, and emission designator (ETSI or FCC).
2. Approvals held for the article

(i.e. foreign TSO authorizations, initial approval, other non-airworthiness certification approval).

1. Reference to the certification programme for the article
with identification of the deviations from the certification programme.
2. Reference to ETSO compliance reports (compliance matrix, test plans/-reports, other qualification reports).
3. Reference to the safety documents (Failure Mode Effect Analysis, SEU analysis, SSA) relevant to the article
4. Service and Instruction, Installation, Maintenance and Operation Manuals reference number (CMM, IM, OM).
5. It is hereby declared that:
6. the article(s) described in this document has been designed in compliance with Part 21, Subpart O [ref 21.A.605(a)2];
7. in accordance with the certification programme, the article(s) complies with the reference applicable ETSO-standard(s) *[ref 21.A.605(a)3]*:
* *without limitations/with* *the limitations listed in section 9,*
* *without deviations/with* *the deviations listed in section 10,*
* *the non-ETSO functions listed in section 11 do not interfere with the ETSO functions;*
1. no feature or characteristic (including non-ETSO functions) has been identified that may make the article unsafe for the uses for which certification is requested [ref 21.A.606(d)].

This declaration is made under the authority of

…………………………………………………………………………………… (name of ETSOA Applicant/Holder)

(Name of ETSOA Applicant/Holder) cannot accept responsibility for equipment used outside the limiting conditions stated above without their agreement.

Date: ………….Signed…………………………………..(Authorised representative of ETSOA Applicant/Holder; APDOA reference number)