

RA 5855 - Parts and Appliances (MRP Part 21 Subpart K)

Rationale

Only approved Parts and Appliances will be used on an Air System. The use of non-approved Parts and Appliances can lead to unforeseen consequences potentially jeopardizing Airworthiness. It is necessary to demonstrate the compliance of Parts and Appliances for use on an Air System with applicable Regulations and the Type Design criteria. This RA details the regulatory requirements relating to the approval of Parts and Appliances.

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Regulation 5855(1)

Compliance with Applicable Requirements (MRP Part 21.A.303)

5855(1) The Type Airworthiness Authority (TAA)¹ **shall** ensure compliance with applicable requirements for Parts and Appliances to be installed in an Air System.

Acceptable Means of Compliance 5855(1)

Compliance with Applicable Requirements (MRP Part 21.A.303)

1. The TAA **should** ensure the demonstration of compliance of Parts and Appliances to be installed in an Air System is made:
 - a. In conjunction with the Type Certification procedures^{2,3} for the Product in which it is to be installed, or
 - b. With an appropriate Certificate of Design approved under RA 5103⁴.
 - c. Where applicable, under the (European) Technical Standard Order ((E)TSO)⁵ authorization procedures⁶, or
 - d. In the case of Standard Parts⁷, in accordance with (iaw) officially recognized standards.

Guidance Material 5855(1)

Compliance with Applicable Requirements (MRP Part 21.A.303)

Officially recognized standards

2. In this context “officially recognized standards” means:
 - a. Those standards established or published by an official body, which are widely recognized as constituting good practice.
 - b. The standard used by the Design Approval holder of the certified equipment.

¹ Where the Air System is ►not UK MOD-Owned, Type Airworthiness (TAw) management◀ regulatory responsibility by either the TAA or Type Airworthiness Manager (TAM) needs to be agreed within the Sponsor’s approved model ►◀ ; refer to RA 1162 – Air Safety Governance Arrangements for Civilian Operated (Development) and (In-Service) Air Systems, or refer to RA 1163 – Air Safety Governance Arrangements for Special Case Flying Air Systems. Dependant on the agreed delegation of TAw responsibilities TAM may be read in place of TAA as appropriate throughout this RA.

² Refer to RA 5810 – Military Type Certificate (MRP Part 21 Subpart B).

³ Refer to RA 5820 – Changes in Type Design (MRP Part 21 Subpart D).

⁴ Refer to RA 5103 – Certificate of Design.

⁵ The (E)TSO abbreviation **should** be taken to mean a Technical Standard Order (TSO) from the US or a European TSO.

⁶ Refer to RA 5875 – (European) Technical Standard Order (MRP Part 21 Subpart O).

⁷ Refer to MAA02 – MAA Master Glossary.

**Regulation
5855(2)****Release of Newly Produced Parts and Appliances for Installation
(MRP Part 21.A.307)**

5855(2) The TAA **shall** ensure that a Part or Appliance, eligible for installation in an Air System operating in the Defence Air Environment is only authorized for installation when it has been assessed as being manufactured in conformity with approved design data, and it is:

- a. Accompanied by an authorized release certificate certifying that the item was manufactured in conformity to approved design data marked iaw RA 5885⁵; or
- b. A standard part.

**Acceptable
Means of
Compliance
5855(2)****Release of Newly Produced Parts and Appliances for Installation
(MRP Part 21.A.307)**

3. An Original Equipment Manufacturer Certificate of Compliance (CoC) or Authorized Release Certificate⁸ **should** be used as the release certificate identifying a newly produced Part or Appliance as serviceable.

**Guidance
Material
5855(2)****Release of Newly Produced Parts and Appliances for Installation
(MRP Part 21.A.307)**

4. Nil.

⁸ Refer to RA 4809 – Acceptance of Components (MRP 145.A.42).