

WO → CRS → Records

Grundläggande

Presentatör

Johan Brunnberg Flygteknisk Inspektör
Sjö- och luftfartsavdelningen
Enheten för operatörer, fartyg och luftfartyg
Sektionen för teknisk operation

2026-05-27

Innehåll

- WO och CRS och Records
- ”Interntagg” (”gröntagg”)
- Maintenance records (145.A.55(a))
- Continuing airworthiness record (M.A.305/ML.A.305)

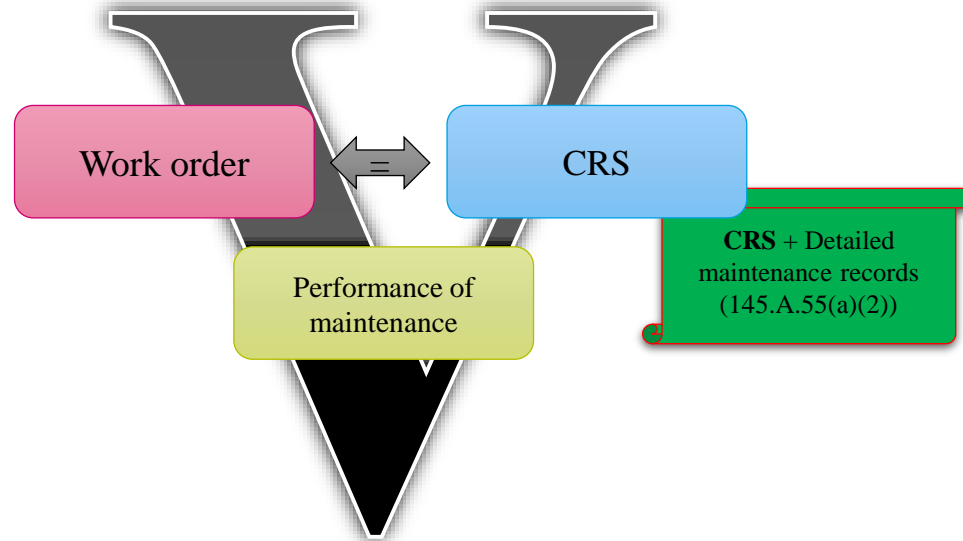
WO och CRS och Records

Beställare → Utförare → Uppföljning

Fått det som beställts?

145.A.50 Certification of maintenance

(d) A **certificate of release to service shall be issued** by appropriately authorised certifying staff on behalf of the organisation **after the maintenance that was ordered has been carried out on a component** whilst it was off the aircraft. The authorised release certificate “**EASA Form 1**” referred to in Appendix II of Annex I (Part-M) constitutes the component certificate of release to service except if otherwise specified in point M.A.502 of Annex I (Part-M) or ML.A.502 of Annex Vb (Part-ML), as applicable. When an organisation maintains a component for its own use, the EASA Form 1 may not be necessary if the organisation’s internal release procedures in its MOE so provides.



Clear work order – CRS – Records

145.A.65 Maintenance procedures

- (b) The maintenance procedures established under this point shall:
- (1) **ensure that a clear maintenance work order** or contract has been agreed between the organisation **and** the person or organisation that requests the maintenance, **to clearly establish the maintenance to be carried out** so that the aircraft and components may be released to service in accordance with point 145.A.50;



145.A.50 Certification of maintenance

- (a) A certificate of release to service **shall be issued** by appropriately authorised certifying staff on behalf of the organisation **when** that certifying staff has verified **that all the maintenance that was ordered** has been properly **carried out** by
- (d) A certificate of release to service **shall be issued** by appropriately authorised certifying staff on behalf of the organisation **after** the maintenance **that was ordered has been carried out** on a component whilst it was off the aircraft. The authorised release certificate “EASA Form 1” referred to in Appendix II of Annex I (Part-M) constitutes the component certificate of release to service except



145.A.55 Record-keeping

- (a) Maintenance records
 - (1) The organisation shall record the details of the maintenance work that is carried out within the scope of its approval. As a minimum, the organisation shall retain all the records that are necessary to prove that all the requirements have been met for the issue of the certificate of release to service, including, if any, subcontractor's release documents.
 - (2) The organisation shall provide a copy of each **certificate of release to service** to the operator or customer, together with copies of the **detailed maintenance records that are associated with the work carried out** and that are necessary to demonstrate compliance with point M.A.305 of Annex I (Part-M) or ML.A.305 of Annex Vb (Part-ML), as applicable.

M.A.305/ML.A.305

- Luftfartyg
- Komponent
 - Motor
 - Propeller
 - LLP
 - TCC

CAMO

CAME

2.8 Compliance monitoring

- 2.8.2 Monitoring of continuing airworthiness management activities
- 2.8.4 Monitoring that all maintenance is carried out by an appropriate maintenance organisation
- 2.8.5 Monitoring that all contracted maintenance is carried out in accordance with the contract, including subcontractors used by the maintenance contractor

CAMO.A.315 Continuing airworthiness management

(a) **The organisation shall ensure that all continuing airworthiness management** is carried out in accordance with Section A, **Subpart C** of Annex I (Part-M), or Section A **Subpart C** of Annex Vb (Part-ML), as applicable.

M.A.301 Continuing-airworthiness tasks

M.A.302 Aircraft maintenance programme

M.A.303 Airworthiness directives

M.A.304 Data for modifications and repairs

M.A.305 Aircraft continuing airworthiness record system

M.A.306 Aircraft technical log system

CAMO.A.315 Continuing airworthiness management

(b) **For every aircraft managed**, the organisation shall in particular:

- (3) **ensure** that data used for any modification and repairs complies with points M.A.304 or ML.A.304 as applicable;
- (6) **order** maintenance, **supervise** activities, and **coordinate** related decisions to **ensure** that **any maintenance is carried out properly** and is appropriately released **for the determination of aircraft airworthiness**.

Contract acc to:
Appendix IV to AMC1 CAMO.A.315(c)
2.4. Maintenance programme
2.7. Maintenance data (T.ex. AMP)
2.11. Life-limited parts and time-controlled components
2.22. Exchange of information

The organisation shall provide a copy of each certificate of release to service to the operator or customer, together with copies of the detailed maintenance records that are associated with the work carried out and that are necessary to demonstrate compliance with point M.A.305 of Annex I (Part-M) or ML.A.305 of Annex Vb (Part-ML), as applicable.

CRS + Detailed maintenance records (145.A.55(a)(2))

EASA Form 1 eller ekvivalent



Work order

145

145.A.42 Components

Perform Work order

145.A.50 Certification of maintenance

TRANSPORT
STYRELSEN

”Interntagg” (”gröntagg”)

...the EASA Form 1 may not be necessary if the organisation’s internal release procedures in its MOE so provides.

...an EASA Form 1 may not be necessary depending upon the organisation’s internal release procedures defined in the maintenance organisation exposition.

”Internal release procedures”

145.A.50 Certification of maintenance

Regulation (EU) 2021/1963

- (d) A certificate of release to service shall be issued by appropriately authorised certifying staff on behalf of the organisation after the maintenance that was ordered has been carried out on a component whilst it was off the aircraft. The authorised release certificate “EASA Form 1” referred to in Appendix II of Annex I (Part-M) constitutes the component certificate of release to service except if otherwise specified in point [M.A.502](#) of Annex I (Part-M) or [ML.A.502](#) of Annex Vb (Part-ML), as applicable. **When an organisation maintains a component for its own use, the EASA Form 1 may not be necessary if the organisation’s internal release procedures in its MOE so provides.**

AMC2 145.A.50(d) Certification of maintenance

ED Decision 2023/013/R

1. A component which has been maintained off the aircraft needs the issuance of a certificate of release to service for such maintenance and another certificate of release to service in regard to being installed properly on the aircraft when such action occurs.

When an organisation maintains a component for use by the same organisation, an [EASA Form 1](#) may not be necessary depending upon the organisation’s internal release procedures defined in the maintenance organisation exposition.

145.A.50 Certification of maintenance

EASA Form 1 – 145/CAO

- Är ett underhållsintyg.
- Ska uppfylla kraven enligt 145.A.50.



The image shows the EASA Form 1 - 145/CAO, titled 'EASA FORM 1 - 145/CAO'. It is a certification form for maintenance work. The form is divided into several sections: 1. Approving Competent Authority / Country, 2. AUTHORIZED RELEASE CERTIFICATE (EASA FORM 1), 3. Form Tracking Number, 4. Organisation Name and Address, 5. Work Order/Contract/Invoice, 6. Item, 7. Description, 8. Part No., 9. Qty., 10. Serial No., 11. Status/Work, 12. Remarks, 13a. Certifies that the items identified above were manufactured in conformity to: (a) approved design data and are in condition for safe operation; (b) non-approved design data specified in block 12, 13b. Authorised Signature, 13c. Approval/Authorisation Number, 14a. Date, 14b. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with the applicable regulatory requirements in respect to that work the items are considered ready for service, 14c. Authorised Signature, 14d. Date, 13d. Name, 13e. Date (dd mmm yyyy), 14e. Name, 14f. Date. At the bottom, there is a section for 'USER/INSTALLER RESPONSIBILITIES' which states: 'This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority essential that the user/installer ensures that he/her airworthiness authority accepts items from the airworthiness authority specified in the Statements in blocks 13a and 13b do not constitute installation certification. In all cases aircraft maintenance records must contain an entry in accordance with the national regulations by the user/installer before the aircraft may be flown.' The form number 'EASA Form 1 - 145/CAO issue 3' is printed at the bottom left.

CRS + Detailed
maintenance records
(145.A.55(a)(2))

”Interntagg”

- Ett alternativ **inom** organisationen.
- Är ett underhållsintyg.
- Ska uppfylla kraven enligt 145.A.50.
- Dvs motsvarande uppgifter som en EASA Form 1.

”Interntagg”
med CRS

CRS + Detailed
maintenance records
(145.A.55(a)(2))

Maintenance records

145.A.55(a)

CRS + Maintenance Records

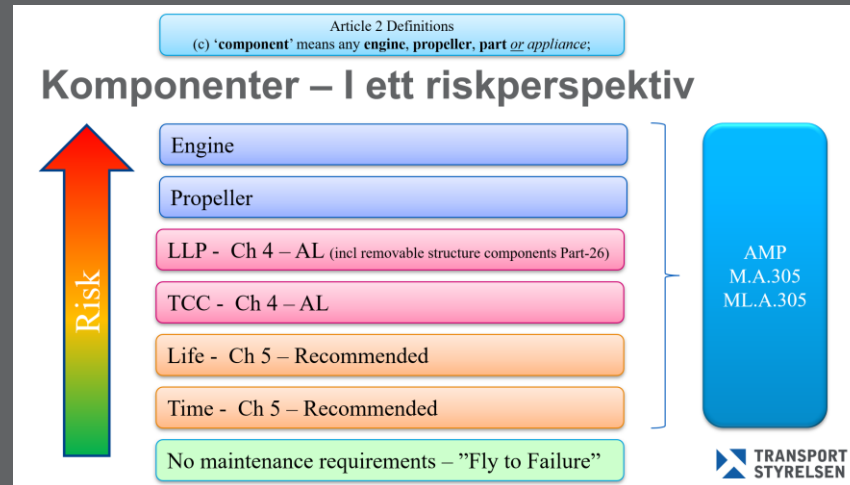
145.A.55 Record-keeping

Regulation (EU) 2021/1963

- (a) Maintenance records
 - (1) The organisation shall record the details of the maintenance work that is carried out within the scope of its approval. As a minimum, the organisation shall retain all the records that are necessary to prove that all the requirements have been met for the issue of the certificate of release to service, including, if any, subcontractor's release documents.
 - (2) The organisation shall provide a copy of each certificate of release to service to the operator or customer, together with copies of the detailed maintenance records that are associated with the work carried out and that are necessary to demonstrate compliance with point [M.A.305](#) of Annex I (Part-M) or [ML.A.305](#) of Annex Vb (Part-ML), as applicable.

Continuing airworthiness record system

M.A.305/ML.A.305



GM M.A.305 Aircraft continuing airworthiness record system

ED Decision 2022/011/R

(a) The **aircraft continuing airworthiness records** are **the means to assess the airworthiness status** of a **product** and its **components**. An aircraft continuing airworthiness record system **includes the processes to keep and manage** those records and should be proportionate to the subject aircraft. Aircraft continuing airworthiness records should **provide the owner/CAO/CAMO of an aircraft with the information needed**:

- (1) **to demonstrate that the aircraft is in compliance with the applicable airworthiness requirements**; and
- (2) **to schedule all future maintenance** as required by the aircraft maintenance programme based, if any, on the last accomplishment of the specific maintenance as recorded in the aircraft continuing airworthiness records.

Varför behövs dokumentation för luftfartyget inklusive komponenter?

Summaring

- WO och CRS och Records
- "Interntagg" ("gröntagg")
- Maintenance records (145.A.55(a))
- Continuing airworthiness record (M.A.305/ML.A.305)

WO → CRS → Records

Grundläggande