



Part-145 Certifying Staff

Competence establishment and control





Innledning

- Forskriftshenvisningene brukt i presentasjonen er ikke direkte avskrift, og må ikke benyttes som referanse.

145.A.30 (e):

The organisation shall establish and control the competence of personnel involved in any maintenance.

AMC 145.A.30 (e):

- ◆ The referenced procedure requires amongst others that planners, mechanics, specialised services staff, supervisors and **certifying staff** are assessed for competence by 'on the job' evaluation and/or by examination relevant to their particular job role within the organisation
- ◆ Adequate initial and recurrent training should be provided and recorded
- ◆ Assessment should establish that:
 - Certifying staff are able to determine when the aircraft or aircraft component is ready to release to service and when it should not be released to service.

•145.A.35 (a)

- The organisation shall ensure that certifying staff have an adequate understanding of the relevant aircraft and/or components to be maintained, together with the associated organisation procedures. This must be accomplished before the issue or re-issue of the certification authorisation.
- “Certification authorisation” means the authorisation issued to certifying staff by the organisation and which specifies the fact that they may sign certificates of release to service within the limitations stated in such authorisation on behalf of the organisation.



•145.A.35 (b)

- The organisation may only issue a certification authorisation to certifying staff in relation to any type rating listed on the aircraft maintenance licence, subject to the licence remaining valid throughout the validity period of the authorisation, and the certifying staff remaining in compliance with Part-66.

•145.A.35 (c)

- ◆ **The organisation shall ensure that all certifying staff are involved in at least six months of actual relevant aircraft or component maintenance experience in any consecutive two year period.**
- ◆ **‘involved in actual relevant aircraft or component maintenance’ means that the person has worked in an aircraft or component maintenance environment and has either exercised the privileges of the certification authorisation and/or has actually carried out maintenance on at least some of the aircraft type systems specified in the particular certification authorisation.**

•145.A.35 (d)

- The organisation shall ensure that all certifying staff receive sufficient continuation training in each two year period to ensure that such staff have up-to-date knowledge of relevant
 - ◆ technology,
 - ◆ organisation procedures and
 - ◆ human factor issues

•145.A.35 (e)

- The organisation shall establish a program for continuation training for certifying staff, including a procedure to ensure compliance with relevant parts of Part-145 and Part-66.
- AMC 145.A.35(e)
 - ◆ The program for continuation training should list all certifying staff and when training will take place, the elements of such training and an indication that it was carried out reasonably on time as planned.

•145.A.35 (f)

- The organisation shall assess all certifying staff for their competence, qualification and capability to carry out their intended certifying duties prior to the issue or re-issue of a certification authorisation
- AMC.145.A.35 (f)
 - ◆ There are a number of ways in which such assessment may be carried out, and the procedures must be established to fit the organisation.
 - ◆ Points to be focused on:

AMC.145.A.35 (f)

- Assessment of capability "on the job"
 - ◆ Sufficient time to arrive at a conclusion
 - Not required to assess against the complete specter of duties
- Written confirmation of CRS privileges from another approved organisation shall be accepted. Confirmation shall be signed by the person responsible for running the quality system.

AMC.145.A.35 (f)

- Assessment of qualifications by collecting all documentation relating to the qualification
 - ◆ If needed, a confirmation check
- Comparison check for differences between product type on the qualification document, and the relevant product types
- Finally:
 - ◆ **determine the need for product type differences training**

•145.A.35 (g)

- **When Certifying Staff have fulfilled the following requirements:**
 - ◆ **relevant knowledge to technology and procedures**
 - **valid AML ,**
 - **continuation training,**
 - **assessed for qualification and capability**
 - **least six months of actual relevant maintenance experience in a two year period**
 - ◆ **.....the organisation shall issue a certification authorisation**

Continued validity of the certification authorisation is dependent upon continued compliance with the points above.



•145.A.35 (h)

- **The certification authorisation must be in a style that makes its scope clear to the certifying staff and any authorised person who may require to examine the authorisation.**
 - ◆ **Where codes are used to define scope, the organisation shall make a code translation readily available.**

•145.A.35 (i)

- **The person responsible for the quality system shall also remain responsible on behalf of the organisation for issuing certification authorisations to certifying staff.**
- **Such person may nominate other persons to actually issue or revoke the certification authorisations in accordance with a procedure as specified in the exposition**



Highlights:

- Initial training and assessment
- Certification Authorisation
- Continuation training
- Relevant experience



Initial training and assessment

- Initial human factors training
 - ◆ Ref. syllabus GM 145
- Initial organisational procedures (MOE etc.)
- Initial update to relevant technology
- Initial fuel tank safety training (if applicable)

- Assessment of above

Assessment of Certifying staff

Name of organisation
Part-145 Approval nr.

1. PERSONAL DETAILS

Social Security No	Name	CRS number
Actual authorisations		

2. COMPLIANCE CHECK AND ON THE JOB EVALUATION

Initial / Re-issue Renewal Extension

Requirements: All boxes have to be ticked "Yes" to issue, extend or renew authorisation

		Satisfactory
1	COMPLIANCE CHECK	
a	Gyldig kompetansebevis iht autorisasjon. (F. eks Part-66 AML)	<input type="checkbox"/> No <input type="checkbox"/> Yes
b	Godkjent 6 mnd. praksis iht organisasjonens prosedyrer.	<input type="checkbox"/> No <input type="checkbox"/> Yes
c	Opplæring i organisasjonsmessige forhold gjennomført*.	<input type="checkbox"/> No <input type="checkbox"/> Yes
d	"Continuation training" gjennomført **.	<input type="checkbox"/> No <input type="checkbox"/> Yes
e	Initial Human factors training gjennomført*.	<input type="checkbox"/> No <input type="checkbox"/> Yes
f	osv	<input type="checkbox"/> No <input type="checkbox"/> Yes
2	ON THE JOB EVALUATION	
a	Demonstrere korrekt bruk av organisasjonens tekniske manualer (Maintenance data)	<input type="checkbox"/> No <input type="checkbox"/> Yes
b	Demonstrere korrekt utfylling og behandling av organisasjonens vedlikeholdsdokumentasjon (Records)	<input type="checkbox"/> No <input type="checkbox"/> Yes
c	Demonstrere korrekt bruk av et utvalg av spesialverktøy / utstyr relevant for autorisasjonen	<input type="checkbox"/> No <input type="checkbox"/> Yes
d	Demonstrere kompetanse i taxing	<input type="checkbox"/> No <input type="checkbox"/> Yes
e	Demonstrere utførelsen av en relevant "task".	<input type="checkbox"/> No <input type="checkbox"/> Yes
f	Osv	

* Kun ved initial / re issue

** Kun ved renewal

Date and place	Name (Person nominated acc. procedure)	Signature
----------------	--	-----------

Certification Authorisation

- Responsibilities
 - ◆ Certifying Staff:
 - Not allowed to issue CRS unless in compliance with Part-66/ Part-145
 - ◆ Organisation:
 - To issue authorisation when privileges satisfied. (Assessment completed).
 - Revoke when not in compliance or misuse of CRS privileges

Certification Authorisation

- Responsibility - the person responsible for the quality system
- Style - that makes its scope clear to the certifying staff and any authorised person
 - ◆ Where codes are used to define scope, the organisation shall make a code translation readily available.
- Issue / re-issue
 - ◆ **relevant knowledge to technology and procedures**
 - **valid AML ,**
 - **continuation training,**
 - **assessed for competence, qualification and capability**
 - **at least six months of actual relevant maintenance experience in a two year period**
- Revoke when not in compliance with above or misuse of CRS privileges
 - ◆ Report to CAA-N if applicable



Continuation training

- Each two year period plan
 - ◆ Shall list all certifying staff
 - ◆ When training will take place
 - ◆ When carried out (as planned)
 - ◆ Elements of training
 - ◆ *Feedback to organisation*
- Documentation
 - ◆ Ref 145.A.35(j)



Continuation training elements

- Relevant technology
 - ◆ Relevant Quality findings
 - ◆ Modifications
 - ◆ New equipment
 - ◆ Fuel tank safety
 - ◆ etc



Continuation training elements

- Internal/ external procedures
 - ◆ Relevant Quality findings
 - ◆ MOE
 - ◆ AMP
 - ◆ MM/ SB/ AD's, AIC
 - ◆ etc.....



Continuation training elements

- Human Factors (not initial)
 - ◆ Relevant Quality findings
 - Issues from internal/ external incidents
 - Fail to follow procedures
 - etc



Relevant experience

- **The organisation shall ensure that all certifying staff are involved in at least six months of actual relevant aircraft maintenance experience in any consecutive two year period**
 - ◆ **either exercised the privileges of the certification authorisation and/or has actually carried out maintenance on at least some of the aircraft type systems specified in the particular certification authorisation.**

Which means:



Relevant experience

- **The organisation must in their procedures define:**
 - ◆ Aircraft type system differences
 - ◆ Necessary experience for each certification authorisations
- **Documentation!** (Ref 145.A.35(j))

