

CS-STAN og Form 123

Hva, hvorfor og hvordan...

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NORGES
LUFTSPORTFORBUND

CS-STAN

**Certification Specifications
for
Standard Changes
and
Standard Repairs**



**NORGES
LUFTSPORTFORBUND**

EASA 31/03/2017 CS-STAN Decision II

C-STAN: Standard Changes and Standard Repairs

- Aircraft changes and repairs made easy
- Simple approach for changes and repairs not requiring additional design approval by Design Organisations or EASA, with privileges to independent mechanics to incorporate changes or repairs, and release the aircraft
- Brukes ved reparasjoner eller endringer som ikke er i konflikt med typesertifikat
- Ha opphavsdokument ved innmontering av instrument / komponent (form one / faktura)
- **!! CS STAN benyttes for ikke komplekse fly og kun for fly i klassene ELA 1 og ELA 2.
Ellers benyttes STC («Supplemental Type Certificate»)**



EASA Form 123 — Standard Change/Standard Repair (SC/SR) embodiment record	1. SC/SR number(s): 2019 01
2. SC/SR title & description: Installation of FLARM Equipment	
3.Applicability: LN-GSS, Schempp Hirth Ventus 2ct, serial 34	
4 List of parts (description/Part-No/Qty): Standard FLARM, serial number G2QH	
5. Operational limitations/affected aircraft manuals. Copies of these manuals are provided to the aircraft owner: Flight manual, Maintenance manual	
6. Documents used for the development and embodiment of this SC/SR: Installation Manual F6/F7/F8/F9 EN* Operating Manual F6/F7/F8/F9 EN* * -Copies of the documents marked with an asterisk are handed to the aircraft owner.	
7. Instructions for continuing airworthiness. Copies of these manuals are provided to the aircraft owner: Installation Manual F6/F7/F8/F9 EN FLARM_Checklist_v5.00_EN.pdf	
8. Other information: NA	
9a. <input type="checkbox"/> This SC complies with the criteria established in 21A.90B(a) and with chapter(s) CS-SC051c of Certification Specifications CS-STAN.	
9b. <input type="checkbox"/> This SR complies with the criteria established in 21A.431B(a) and with chapter(s)... NA of Certification Specifications CS-STAN.	
10. Date of SC/SR embodiment:	11. Identification data and signature for the person responsible

Utfylling av FORM 123

Completion instructions: Use English or the official language of the State of registry to fill in the form.

1. Identify the SC/SR with a unique number and reference this number in the aircraft logbook.
2. Specify the applicable EASA CS-STAN chapter including revision (e.g. CS-SCxxxxy or CS-SRxxxxy) & title. Provide also a short description.
3. Identify the aircraft (a/c) registration, serial number and type.
4. List the parts' numbers and description for the parts installed. Refer to an auxiliary document if necessary.
5. Identify affected aircraft manuals.
6. Refer to the documentation developed to support the SC/SR and its embodiment, including design data required by the CS-STAN: design definition, documents recording the showing of compliance with the Certification Specifications or any test result, etc. The documents' references should quote their revision/issue.
7. Identify instructions for continuing airworthiness that need to be considered for the aircraft maintenance programm review.
8. To be used as deemed necessary by the installer.
9a., 9b., 10. and 12. Self-explanatory.
11. Give full name details and certificate reference (of the natural or legal person) used for issuing the aircraft release to service.



9a., 9b. Self-explanatory – yea, right...

Ikke for meg, men Google hjalp (....litt...):

- 21A.90B(a) Standard *changes* — Certification Specifications
“CS-STAN contains the certification specifications referred to in 21A.90B(a)2. Guidance on the implementation of Standard Changes and Standard Repairs can be found in AMC M.A.801 of the AMC to Part-M.”
- 21A.431B(a) Standard *repairs* — Certification Specifications
“CS-STAN contains the certification specifications referred to in 21A.431B(a)2. Guidance on the implementation of Standard Changes and Standard Repairs can be found in AMC M.A.801 of the AMC to Part-M.”

Dette var jo oppklarende....

PS: AMC: «Acceptable means of compliance»

AMC M.A.801 Aircraft certificate of release to service after
embodiment of a Standard Change or a Standard Repair (SC/SR)

Eller som Ole sa i går: AMC: forklaring på folkelig språk..

Oppdateringer

- CS-STAN er nå i «issue 2»
- Oktober 2018: “Notice of Proposed Amendment 2018-10”
Regular update of the certification specifications for standard changes & standard repairs (CS-STAN) — Issue 3



Når skal vi bruke dette?

«Ved standard endringer og reparasjoner»

.. Og hva er det? ...

Eksempel:

- Overgang til LiFePO_4 defineres som en «standard endring» som kan forstås ut fra at en bytter teknologi (CS-SC034a)
- Sette inn FLARM
- Bytte radio
- Generelt:
Bytte av enheter som har andre egenskaper enn det flyet er levert med.

Etter mitt hode blir dette bytter og reparasjoner som krever at en legger til ev. fjerner dokumenter i «Flight» og «Maintenance» manualer.

Oppsummert

- Lese dokumentasjon på hvordan gjøre jobben
- Se om den kommer inn under CS-STAN
- Utføre jobben
- Beskrive endringen eller reoperasjon i flyets loggbok med unikt nr
- Oppdatere vedlikeholdsmanual
- Oppdatere flygemanual
- Oppdatere CAMO



Dokumenter

Det å finne fram på EASA sine sider.

(Heldigvis har vi Google og lignede..)

- «20083-EASA_Form_123.docx»
Formulæret som vi fyller ut
- CS-STAN issue 2 (gyldig nå)
- Kommer i år:
«Regular update of the certification specifications for standard changes & standard repairs (CS-STAN) — Issue 3 »

