European Union Aviation Safety Agency

FAQ n.48612

FAQs:

Supplemental Type Certificates (STC) , Applications for product certification/validation of foreign certificates, Certification of products and organisations

Question:

Am I eligible to apply for an STC?

Answer:

Major changes to type design by applicants other than the TC holder must be approved in accordance with Part 21, Section A, Subpart E of Commission Regulation (EC) No 748/2012 i.e. through a Supplemental Type Certificate. Information on the application process can be found at the following link.

Only the STC holder is eligible to apply for a Major Change to STC. For further information, please consult our website. Typically, EASA will issue a revision of the STC.

Minor Changes to an STC may also be applied for by an applicant other than the STC holder. In this case EASA will not issue a revision to the STC but a Minor Change approval in accordance with Subpart D of Commission Regulation (EC) No 748/2012. Information on the application process can be found here.

The following table describes the available options for specific design projects including STCs.

	Demonstration of capability			
Type of design	DOA	ADOA	CP	None
Aircraft Type Design				
All Aircraft	yes			
ELA 2*	yes	yes		
ELA 1*	yes	yes	yes	
Engine Type Certificate				
All Engines	yes			
Piston Engine	yes	yes		
Engine installed in ELA2 Aircraft	yes	yes		
Engine installed in ELA1 Aircraft	yes	yes	yes	
Propeller Type Certificate				
All propellers	yes			
Fixed or adjustable pitch propeller	yes	yes		
Propeller installed in ELA2 Aircraft	yes	yes		
Propeller installed in ELA1 Aircraft	yes	yes	yes	
Supplemental Type Certificate (STC)				
All STCs	yes			
STC Group 1**	yes			
STC Group 2**	yes	yes		
STC on ELA1 or its engine or propeller	yes	yes	yes	
Minor Changes	yes	yes	yes	yes
Repairs				
Minor	yes	yes	yes	yes
Major	yes	yes***		
Major on ELA1 or its engine or propeller	yes	yes	yes	
ETSO Authorisation (ETSOA)	yes	yes		

* For definition see EU Regulation (EC) 748/2012 Article 1
** For definition see GM 21.A.112B
*** Upon Agency agreement

Non-EASA Member State applicants for whom a bilateral agreement is in place, no further demonstration of eligibility is required.

Non-DOA/APDOA holders may contact a DOA/ APDOA of their choice to apply for an STC on their behalf.

Design Organisation Approval (DOA): The process to obtain a DOA. Further information on DOA.

Alternative Procedures to Design Organisation Approval (APDOA): Information on APDOA.

However, Part 21.A.14(c) provides the possibility for any natural person to apply for an STC on an ELA 1 aircraft by demonstrating capability through a certification programme. Alternative procedures are not necessary. ELA 1 is generally defined as aircraft with a max MTOW of 1200kg or less, including balloons up to 3400m^3 and sailplanes.

ELA1	**ELA2**
ELA1 aircraft' means the following manned European Light Aircraft:	ELA2 aircraft' means the following manned European Light Aircraft:

an aeroplane with a Maximum Take-off Mass (MTOM) of 1 200 kg or less that is not classified as complex motor-powered aircraft	an aeroplane with a Maximum Take-off Mass (MTOM) of 2 000 kg or less that is not classified as complex motor-powered aircraft
a sailplane or powered sailplane of 1 200 kg MTOM or less	a sailplane or powered sailplane of 2 000 kg MTOM or less
a balloon with a maximum design lifting gas or hot air volume of not more than 3 400 m 3 for hot air balloons, 1 050 m 3 for gas balloons, 300 m 3 for tethered gas balloons	a balloon
an airship designed for not more than 4 occupants and a maximum design lifting gas or hot air volume of not more than 3 400 m 3 for hot air airships and 1 000 m 3 for gas airships6	a hot air airship
	a gas airship complying with all of the following characteristics: - 3% maximum static heaviness - Non-vectored thrust (except reverse thrust) - Conventional and simple design of: structure, control system and ballonet system - Non-power assisted controls
	a Very Light Rotorcraft

Certification Programme Demonstration of capability via a certification programme for:	**AP DOA** Demonstration of capability via AP DOA for:
ELA1 aircraft	ELA2 aircraft
Engine [to be] installed in ELA1 aircraft	Engine [to be] installed in ELA2 aircraft

Propeller [to be] installed in ELA1 aircraft	Propeller [to be] installed in ELA2 aircraft
	Piston Engine
	Fixed or adjustable pitch propeller

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Link:

https://www.easa.europa.eu/en/faq/48612