



Federal Aviation Administration

Memorandum

Date: February 2, 2010

To: Manager, Small Airplane Directorate, ACE-100

From: /s/ C.L. Smalley Manager, Chicago Aircraft Certification Office, ACE-115C

Prepared by: Wess Rouse, ACE-117C

Subject: Extension of Equivalent Level of Safety (ELOS) for Engine Controls and Mixture Controls to Cirrus Design Corporation Model SR22T, Federal Aviation Administration Project #AT6893CH-A

ELOS Memo#: ACE-00-09A

Regulatory Ref: 14 CFR, part 23, § 23.1143(g) & § 23.1147(b)

Cirrus Design Corporation requests extension of existing equivalent level of safety (ELOS), ACE-00-09 (attached), for Engine Controls 14 CFR, part 23, § 23.1143(g) & Mixture Controls 14 CFR, part 23, § 23.1147(b) to the model SR22T airplane.

The model SR22T is a derivative airplane proposed to be added to Type Certificate (TC) A00009CH along with existing certified Models SR20 and SR22. The SR22T has an engine upgrade to the turbocharged Teledyne Continental Motors (TCM) TSIO-550-K and other associated modifications (model SR22 uses TCM IO-550-N).

Cirrus has provided the attached letter in support of extending ELOS ACE-00-09 to the model SR22T. The letter maintains that the parameters covered by the ELOS are unchanged from model SR22.

The Chicago Aircraft Certification Office concurs with the requested ELOS extension as described above and has verified that no changes have been made to regulations § 23.1143 and § 23.1147, since the original issuance of ELOS number ACE-00-09. Concurrence of the Small Airplane Directorate is requested.

David R. Showers for
 Kim Smith, Manager, Small Airplane Directorate
 Aircraft Certification Service

2-2-10
 Date

ELOS Originated by Chicago ACO:	Charles L. Smalley Manager, Chicago ACO	Routing Symbol ACE-115C
------------------------------------	--	----------------------------