

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA02558CH

This certificate issued to L-3 Communications Avionics Systems
5353 52nd Street, SE
Grand Rapids, MI 49512-9702

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations. (See Page 3 for complete certification basis)

Original Product--Type Certificate Number: A00009CH
Make: Cirrus Design Corporation
Model: SR22

Description of Type Design Change:

Installation of a L-3 Communications Avionics Systems SmartDeck Flight Guidance and Display System in accordance with L-3 Communications Master Data List 0030-20143-01, Rev. E, dated May 9, 2008, or later FAA approved revision.

Limitations and Conditions:

1. Compatibility of this design change with previously approved modifications must be determined by the installer.
2. FAA Approved Flight Manual Supplement, L-3 Communications Document 0030-20300-01, Revision A, FAA approved May 14, 2008, or later FAA approved revision is a required part of this STC.
3. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 27, 2007

Date reissued:

Date of issuance: May 21, 2008

Date amended:

By direction of the Administrator



(Signature)

Charles L. Smalley, Manager
Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

United States of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate
(Continuation Sheet)

Number SA02558CH

Date of Issuance: May 21, 2008

Certification Basis (continued)

Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Cirrus Design Corporation SR22 aircraft with the installation of L-3 Communications Avionics Systems SmartDeck Flight Guidance and Display System is as follows:

- a. The type certification basis for Cirrus Design Corporation SR22 airplanes is shown on TCDS A00009CH for parts **not changed or not affected** by this change.
- b. The certification basis for parts **changed or affected** by this change since the reference date of application, February 27, 2007, is based upon part 23 as amended by Amendment 23-55 and included in Special Conditions 23-219-SC, dated November 30, 2007 (HIRF). Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the latest amendment 23-0 through 23-55

23.301; 23.303; 23.305(a), (b); 23.307(a); 23.561(a), (b), (e); 23.573; 23.575; 23.603; 23.605(a); 23.607(b); 23.609; 23.611; 23.613(a), (b), (d); 23.619; 23.771(a); 23.773(a)(1), (2); 23.777(a), (b); 23.853(a), 23.867(a), (b), (c); 23.1301; 23.1303(a), (b), (c), (f); 23.1305(a), (b); 23.1307; 23.1309(a), (b), (c), (d), (e); 23.1311(a), (b); 23.1321(a), (c), (d), (e); 23.1322; 23.1323(a), (c); 23.1325(a), (b)(1), (2); 23.1327(a); 23.1329(a), (b), (d), (f), (h); 23.1331 (a), (b), (c); 23.1335; 23.1351(a), (d), (g); 23.1353(h); 23.1357(a), (b), (c), (d); 23.1359(a), (b), (c); 23.1361; 23.1365(a), (b), (d), (f); 23.1367; 23.1381; 23.1431(a), (b), (d), (e); 23.1501; 23.1529; 23.1541(a), (b); 23.1543; 23.1545; 23.1547; 23.1549; 23.1563(a), (b); 23.1581(a), (d), (f); 23.1583(m); 23.1585(a), (j).

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