

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

*Number* ST01270WI-D

*This certificate issued to* Duncan Aviation Inc.  
3701 Aviation Road  
Lincoln, NE 68524

*Certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations.*

*Original Product - Type Certificate Number:*

Reference Duncan Aviation – Aircraft Model List and Configuration Documents, No. 040810014 and 100830003 for list of Approved models and applicable airworthiness regulations

*Make;  
Model:*

*Description of Type Design Change:* Installation of Honeywell MK V and MK VII EGPWS Runway Awareness and Advisory System (RAAS). Data required: 1) Duncan Aviation Document List 040810011 Rev. D, dated September 22, 2004 and (2) Duncan Aviation Document 040810008, FAA Approved Airplane Flight Manual Supplement (AFMS) dated September 20, 2004, or later FAA approved revisions to (1) or (2).

*Limitations and Conditions:*

1. The approval for RAAS configurations is limited to specifically identified aircraft; see Aircraft Model List and Configuration Document No. 040810014.
2. The approval for SmartRunway and/or SmartLanding RAAS configurations is limited to specifically identified aircraft; see Aircraft Model List and Configuration Document No. 100830003. (see continuation sheet)

*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:* August 31, 2004

*Date reissued:* October 27, 2008

*Date of issuance:* September 20, 2004

*Date amended:* October 26, 2010



*By direction of the Administrator*

*Patrick M. Chick, Jr.*  
(Signature)

Patrick M. Chick, Jr.  
ODA administrator, ODA-501013-CE  
Duncan Aviation, Lincoln, Nebraska

(Title)

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 (Continuation Sheet)

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3. Installation of the RAAS requires a previously FAA Approved EGPWS with GPS to be installed on the aircraft. The existing EGPWS software must be -218, and the database must be 437, or a later FAA Approved revision.
4. Installation of the SmartRunway and/or SmartLanding RAAS requires a previously FAA Approved EGPWS with GPS to be installed on the aircraft. The existing EGPWS software must be -232, and the database must be 458, or a later FAA Approved revision.
5. Compatibility of this design change with previously approved modifications must be determined by the installer.
6. 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.

\* Certification Basis: With respect to the modifications of this STC, the applicant has complied with the following Sections of the Federal Aviation Regulations, 14 CFR Part 25, effective February 1, 1965, as amended by the Amendments stated as follows:

14 CFR Part	Amendment	14 CFR Part	Amendment
25.1301(a)(b)(c)(d)	25-0	25.1431(c)	25-113
25.1327(a)	25-0	25.1529	25-54
25.1353(a)	25-113	25.1581(a)(b)(c)(d)	25-72