

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

Number **SR02355LA**

This Certificate issued to Sandel Avionics, Inc.
2401 Dogwood Way
Vista, CA 92081

*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 *29 of the Federal Aviation Regulations.*
(*Certification basis is set forth in Type Certificate Data Sheet)

Original Product Type Certificate Number: * See Attached FAA Approved Model List (AML)
Make: No SR02355LA for list of approved aircraft
Model: Models and applicable airworthiness regulations

Description of Type Design Change: Installation of Sandel Avionics ST3400H Helicopter Terrain Awareness Warning System (HTAWS), in accordance with FAA Approved Sandel Avionics "Master Drawing List", Document No. 82046-AMLSTC29-01, Rev. "A", dated May 6, 2011, or later FAA approved revision. FAA approved Sandel Avionics Rotorcraft Flight Manual Supplement to the Bell 412EP Flight Manual, Document No. 82046-STC29-09, Rev. "ORIG," dated June 17, 2011, or later FAA approved revision is required as part of this installation.

Additional FAA approved Master Drawing List (MDL), Rotorcraft Flight Manual Supplement (RFMS) and later approved revisions are identified in attached AML.

Limitations and Conditions: This approval should not be incorporated in any rotorcraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the rotorcraft.

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

Date of application: September 15, 2009

Date reissued:

Date of issuance: June 17, 2011

Date amended: February 7, 2014



By direction of the Administrator

Alan J. Whelan

(Signature)

Manager, Systems & Equipment Branch,
Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

**Approved Model List (AML)
STC Number SR02355LA**

**Sandel Avionics
For
Installation of a Sandel Avionics HeliTAWS (Helicopter Terrain Awareness Warning System) ST3400H**

Issued Date: February 7, 2014

Item	Aircraft Make	Aircraft Model	Type Certificate Number	Certificate Basis for Alteration	FAA Approved Master Drawing List		FAA Approved Rotocraft Flight Manual Supplement		AML Approval Date
					Number	Revision/Date	Number	Revision/Date	
1	Bell Helicopter	412, EP, CF	H4SW	14 CFR Part 29	82046-AMLSTC29-01	Rev. E /12-13-13	82046- AMLSTC29-09	ORIG/1-14-14	February 7, 2014

FAA Approved: 
 Manager, Systems and Equipment
 Los Angeles Aircraft Certification Office