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## **COBHAM, ARROW AVIATION RECEIVE HELICOPTER IFR APPROVAL FOR GLASS COCKPIT**

MINERAL WELLS, Texas - Cobham's synthetic vision glass cockpit has been approved for single-pilot IFR operation of the Bell 412 helicopter by the Federal Aviation Administration with the granting of a supplemental type certificate to Arrow Aviation. This marks the world's first IFR approval for a synthetic vision system in a helicopter. The Search and Rescue unit of North Slope Borough, Alaska will be the first customer to have Cobham's electronic flight instrument system (EFIS) installed on a 412.

Arrow Aviation, the completion center responsible for installation of Cobham's EFIS, was selected to complete the 412 retrofit based on its proven track record of successful avionics equipment installations and superior ongoing maintenance and service.

The North Slope Borough 412 performs medevac, search & rescue, and emergency missions in the rigorous environment of Alaska's North Slope. Working across diverse coastal and inland topography, the Bell 412 uses the synthetic vision three-dimensional graphic technology to translate the terrain ahead of and around the helicopter into an intuitive, real-time visual picture, helping the pilot "see" aircraft position in relation to its surroundings regardless of darkness or weather conditions. This display reduces instrument scanning and pilot fatigue by consolidating readings of all primary flight instruments into one efficient tool, resulting in a dramatically reduced pilot workload and safer execution of flight plans and procedures.

Features of the Cobham EFIS include: advanced, four-screen glass cockpit package – two Primary Flight Displays (PFD) and two Multi-Function Displays (MFD); enhanced situational awareness via 3D Synthetic Vision; Helicopter Terrain Awareness and Warning System (HTAWS); full-function Flight Management System (FMS); Highway-In-The-Sky (HITS) Predictive Flight Director; user-definable approaches, geo-referenced hover vector with "mark-on-target" functionality; Remote Bugs Panel (RBP); IFR approved with Cat-A capability; NVG compatibility; digital flight recording; intuitive audio and visual warning and advisory systems; traffic display from TAS, TCAS-I/II, and ADS-B; integrated GPS/WAAS (Global Positioning System/Wide Area Augmentation System), and an Air Data and Attitude Heading Reference System (ADAHRS). Supported WSI Weather products include NEXRAD Weather Radar, Echo Tops, Graphical METARs, Textual METARs, Textual TAFs, Lightning, SIGMETs/AIRMETs, TFRs, and Winds/Temps aloft; ADS-B datalink display functions, including TIS-B (traffic) and FIS-B (flight information, including weather).

David Guidry, Arrow Aviation General Manager, said: "The Bell 412 is already a capable aircraft, and the addition of the Cobham EFIS make it even more so, bringing it into the 21<sup>st</sup> Century in terms of pilot interface and enhanced safety."

## Notes to Editors

**Arrow Aviation** is committed to customer satisfaction and quality work for commercial, offshore, corporate, emergency, medical, and private aviation clients as a Bell Helicopter-Textron Customer Service Facility, an American Eurocopter Corporation Service Center, and a Sikorsky Authorized Maintenance Center.

A new, state of the art, 52,000 square foot facility fulfils Arrow's commitment to providing quality services at reasonable prices. Their full-service team is available to assist in meeting a diverse range of client helicopter needs, from technical assistance to parts. A mobile-service team is available to provide services at client locations.

## About Cobham:

Cobham's products and services have been at the heart of sophisticated military and civil systems for more than 70 years, keeping people safe, improving communications, and enhancing the capability of land, sea, air and space platforms. The Company has four divisions employing more than 12,000 people on five continents, with customers and partners in over 100 countries and annual revenue of more than £1.4bn / \$2.1 billion.

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