Becker intercom system installed in 1000th EC135

Becker Avionics is pleased to announce the recent delivery by Eurocopter Germany GmbH of the 1000th EC135 to ADAC Air Rescue with a Becker Avionics digital audio and intercom system, DVCS6100, installed. The EC135 light twin-engine multi-purpose helicopter, along with the Becker DVCS have been very successful products over the last decade.

ADAC Air Rescue will utilize the aircraft primarily for HEMS missions. Klaus Fruehwirth, Vice President Sales and Marketing stated, “The DVCS6100 is the ideal system for HEMS operations, due to the excellent Man-Machine-Interface, outstanding field reliability, and its crystal-clear audio quality.”

He continued, “Crew resource management training emphasizes that communication between pilots, crew and controller is critical to avoid human error and consequential accidents. Aviation communication is always vulnerable to performance limitations due to verbal communication; therefore crystal clear audio system quality is of crucial importance to aviation safety. Operators have to be able to communicate effectively in all stages of flight. The DVCS 6100 digital audio-intercommunication system fulfills the highest requirements for audio system quality and reliability, which results in a higher level of safety.”

The DVCS system installed in the ADAC EC135 is comprised of one Remote Electronic Unit (REU) 6100, two Audio Control Panel (ACU) 6100’s for pilot and copilot, and one ACU6101 Audio Control Panel for the medical cabin.

About the DVCS6100
The DVCS6100 design provides the customer with ability to match a wide range of operational requirements with only one system. The built-in scalability and flexibility reduces not only the cost and time requirements for constant re-engineering and certification for a tailored system solution, but also reduces the learning curve for integration, maintenance and troubleshooting time. Through software programming options, the system is both easily and quickly configurable to individual customer requirements, thus saving time and money.

The DVCS’ open system architecture technology provides for operational comfort and superior voice quality, ensuring that almost any customer requirement can be met, while providing crystal clear communication for crew and passengers.

Becker Avionics focuses on meeting individual requirements with the highest commitment to quality and customer satisfaction. The state-of-the-art Digital DVCS6100 will enhance the effectiveness of any aerial platform. When compared to a legacy analog audio system, Digital technology provides simplified installation, improved performance, reduced wiring and weight, along with reduced installation and maintenance costs. Furthermore, the comprehensive built-in-test (BIT) feature enables line maintenance crews or avionics technicians to easily diagnose/isolate failures and replace system components quickly.

No matter what the mission; from Police and EMS, to passenger transport and surveillance or utility operations, Becker’s Digital Audio system ensures a more modern and capable aerial platform.

DVCS6100 Digital Audio System Features
The DVCS6100 has been designed for both rotary and fixed-wing applications. The product fully reflects Becker Avionics’ proven know-how of more than four decades in audio system development for the aerospace industry. Since the market introduction of the 1st DVCS generation, over 800 systems have been delivered, with all achieving outstanding field reliability. Our continuous product improvement program ensures the DVCS6100 continues to meet our customer expectations and that the product remains technologically competitive.

Becker’s Digital Audio technology is superior to any analog system, as it offers crystal-clear voice communication quality, a proven Man-Machine-Interface (MMI), outstanding reliability, scalability and flexibility, and is software configurable. The main system components of the DVCS6100 system are the Remote Electronic Unit (REU) 6100, the Audio Control Unit (ACU) 6100, and the optional Intercom Amplifier IC3100.

The product offers up to 8 communication transmit (TX) and up to 8 receiver (RX) channels, an integrated warning tone generator for up to 8 different signals, an amplifier for 2 cockpit speakers, as well as interfaces for 2 Cockpit Voice Recorders (CVR), and a Public Address Amplifier (PA).

Up to 6 ACU's can be operated together with one REU. Each unit can be configured with the included software to give complete adjustment range across different on-board systems. The system also meets the highest standards for night operation under NVG and military conditions. The ACU6100 is available with NVIS green (MIL-STD 3009 Green B) and white Backlight, and offers emergency and slaved mode operation. The DVCS6100 represents a unique mission enhancement technology that easily outperforms the competition.

Becker Avionics' DVCS6100 provides 'best in class' performance. Becker Avionics – the leader in commercially certified Digital intercoms!

Becker Avionics
Becker Avionics is a privately held high-tech company that develops, manufactures and distributes the latest communications, navigation, surveillance and search & rescue equipment for airborne and ground applications.

Becker Avionics has a longstanding history of over 50 years in providing equipment to General and Corporate Aviation, ATC, law enforcement and military organizations around the world. In order to support international market requirements the Company has established branches around the world. Becker Avionics supports an extensive customer base, such as, but not limited to

Eurocopter, EADS, Airbus, British Aerospace, ATR, CASA, RUAG, Xi'an Aircraft Corporation, AgustaWestland, Pilatus, German Air Force, Navy and Army, German Border Patrol, German Police, Austrian Army and Police, Swiss Air Force, Dutch Police, Security Civil, Irish Air Corps, Egyptian Navy, Indonesian Navy, Portuguese Air Force, US Army, US Air Force, US Navy and US Auxiliary Civil Air Patrol, etc.

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