



Delivery and Certification of Mission Systems for Police Helicopters

Aerodata has recently received the EASA STC for the installation of advanced police mission systems into Eurocopter EC 135 helicopters.

In the meantime, Aerodata has delivered the first 4 mission systems including installation kits to German Federal Police under a contract of NAMSA (NATO Maintenance and Supply Agency).

The advanced mission systems integrate various sensors and systems on the helicopter, e.g. the electro-optical system and a video transmission system. The mission systems are based on the technology previously developed for search and rescue aircraft operated in Australia. The new equipment will substantially increase the capabilities of the German Federal Police helicopter unit to perform their missions.

Further STC's will be developed for the EC 155 and AS332L1 (Super Puma) helicopters of German Federal Police.



Workstation installed in EC135

The software in the mission system is applicable for police, but also search and rescue as well as other surveillance operations. It can be configured on the basis of the customer requirements. System operation is performed on the moving map display and enables the op-

erator to fully control all sensors and to analyze the complete surveillance information. Data linking capability to a ground control center is integral part of the software.



Mission System Software

Through the data linking capability, the mission system in the helicopter provides constant position and status updates to the ground control center. In return, briefings can be transmitted to the helicopter. In different surveillance applications Aerodata's satellite communication system AeroPhone is the backbone for the transfer of data between ground and helicopter. At the same time, the system also enables voice communication.

In addition to the 4 mission systems already provided, Aerodata will deliver 15 further systems.



German Federal Police EC135

Aerodata sees further applications for its mission system technology both for fixed and rotor wing aircraft.

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