

SELEX Galileo in the M-346 Programme

SELEX Galileo is responsible for risk partner sharing in the development of the Mission Core System (MCS) for the M-346 programme.

MCS is based on an innovative "open architecture" Mission Computer (MCSG) hosting the operational flight program on a state-of-the-art glass cockpit which including six smart multi functional displays (5"x5" AMLCD) and two Head Up Displays (HUD-100). MCS also provides a high level of functional integration and easy add-on capability for growth potential.

The M-346 Mission Core System manages:

- Communications: handling of MIL-STD 1553, High/Low Speed Serial Links;
- Displays: symbology generation for HUDs and HDDs;
- Mission Sensors: sensors data collection and Tactical Data Base management;
- EICAS: sensors data acquisition and "Crew Alerting" control.

SELEX Galileo and Alenia Aermacchi jointly define:

- Avionic System Architecture and equipment Requirements,
- Avionic System Functional Requirements,
- Human Machine Interface (HMI) Requirements.

The first two M-346 prototypes include the functionalities of the following configurations:

- 1st flight 1st Release (July '04),
- 1st flight 2nd Release (July '06).

Starting from the 1st flight 2nd Release, for the LRIP00 (third Aircraft) a demo version, with Embedded Tactical Simulator capabilities has been developed and demonstrated.

SELEX Galileo will also provide a significant contribution to the M-346 programme through simulator systems development, delivery and support, including responsibility for the Instructor Operating Station (IOS), the high-fidelity replica of the M-346 Cockpit, Avionic simulation and most of the Aircraft Systems. In the framework of the M-346 programme Alenia Aermacchi awarded CAE a contract for the design, development and validation of the Initial Training Capability for the simulator.

About SELEX Galileo

SELEX Sensors and Airborne Systems Limited and Galileo Avionica SpA now operate internationally as a single company, within Finmeccanica, known as SELEX Galileo. SELEX Galileo provides world class capabilities in surveillance, protection, tracking, targeting, avionics and imaging systems.

Press Office

Solange Distefano Pozzuoli

Tel: +39 06 41883852

Mob. +39 335 7499374

email: solange.distefanopozzuoli@selexgalileo.com

Donna McGrory

Tel.: +44 (0) 131 343 5115

Mob. +44 (0) 7793 423082

email: donna.mcgrory@selexgalileo.com

