

INTELCAN

SKYCONTROL ATM

SKYCONTROL ATM is Intelcan's modern, state-of-the-art digital ATM system, manufactured and integrated in accordance with ICAO, Eurocontrol, international aviation and ISO 9001:2008 Quality Management System standards. The SKYCONTROL ATM consists of Sensor Data and Flight Data Processing Systems (SDPS and FDPS) and Workstation Displays.

SKYCONTROL ATM is an architecturally configurable LINUX based system running on COTS hardware, connected to a common time source, and other external interfaces that provide information for the multi-sensor tracking and fusion system, and the fully automated flight plan processing system. The system is designed to ensure redundancy (hot/standby servers, and dual network configuration).

Whether purchased as a standalone product or integrated with Intelcan's SKY series CNS/ATM product suite, SKYCONTROL ATM is a unique solution that is flexible and scalable to meet any military or civilian ATM requirement.



SKYCONTROL ATM

FEATURES

SENSOR DATA PROCESSING SYSTEM (SDPS)

SDPS CAPABILITIES

- Processes multiple sensor data formats
- Connects to Datalink (ADS-C and CPDLC)
- Tracks and Fuses target data from multiple sources: PSR, MSSR, ADS-B, MLAT, ADS-C, synthetic (Flight Plan) tracks, and manually entered position reports
- QNH Altitude Correction, Area and Reflection Filtering, Prediction, and Coasting
- Safety Nets
- Performs performance based navigation (PBN)
- Facilitates Clearances
- Provides Status Monitoring
- Offers Bypass mode
- Records sensor data and has playback and analysis tools

FLIGHT DATA PROCESSING SYSTEM (FDPS)

FDPS CAPABILITIES

- Receives, Sends, Validates ATS messages (ICAO Document 4444)
- Provides automatic or manual coordination (ADEXP, OLDI, AIDC)
- Assigns SSR codes
- Runs the Air Traffic Flight Trajectory Model
- Executes Conflict Probes and provides resolution options
- Performs Phase, Event, and Sector Processing for Flight Progress Strips (electronic or paper)
- Transfers processed flight data to other sub-systems such as Billing, Arrival Manager, and Air Traffic Flow Management (ATFM)

CONTROLLER WORKING POSITION

DESCRIPTION

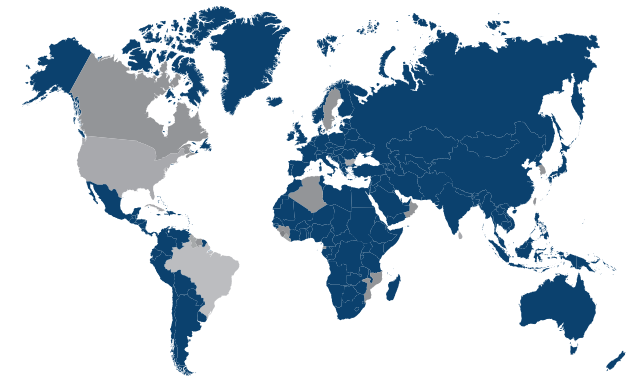
The Workstation is the situational display component of the ATM system. It is designed for use by air traffic controllers when monitoring, tracking, and controlling the aircraft within a specified control jurisdiction using target data, flight plan data, and other aeronautical information. It is also used by the supervisors to monitor, manage, and configure the system, and is used for Record/Playback and analysis

WORKSTATION CAPABILITIES

- Displays target and flight plan information
- Shows Display Lists (Arrival, Departure, Over Flight, Flight Strips, Safety Nets ...)
- Allows Data Entry Areas
- Works with multiple customized and selectable maps, as well as dynamic maps, and Zoom windows
- Offers Range Rings, Range Selection, Off-Center, Compass Rose, Range Bearing Lines (RBL)
- Provides user customizable filters
- Offers customizations for color, brightness, label line type, Magnetic/True North, and Metric/Imperial display
- Provides Jurisdiction and Hand-off function
- Remote Pointer (inter workstation messaging)
- Allows Definition of Danger/ Restricted Area Infringement Warning (DAIW), Inhibit Rules, Repetitive Flight Plans, Flight Strip Printer and Events
- Tracking functions

COUNTRIES

SOUTH AMERICA AND CARIBBEAN	—	Cuba Suriname Guyana Brazil
NORTH AMERICA	—	Canada USA
EUROPE	—	Bulgaria Sweden
ASIA	—	South Korea Sri Lanka Taiwan
AFRICA	—	Argelia Guinea Ecuatorial Mozambique Liberia Sierra Leona Guinea Conakry
MIDDLE EAST	—	Oman



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Intelcan Technosystems, Inc.

69 Auriga Drive, Ottawa, Ontario, Canada, K2E 7Z2.
Tel: +1 (613) 228-1150 | Fax: +1 (613) 228-1149

www.intelcan.com