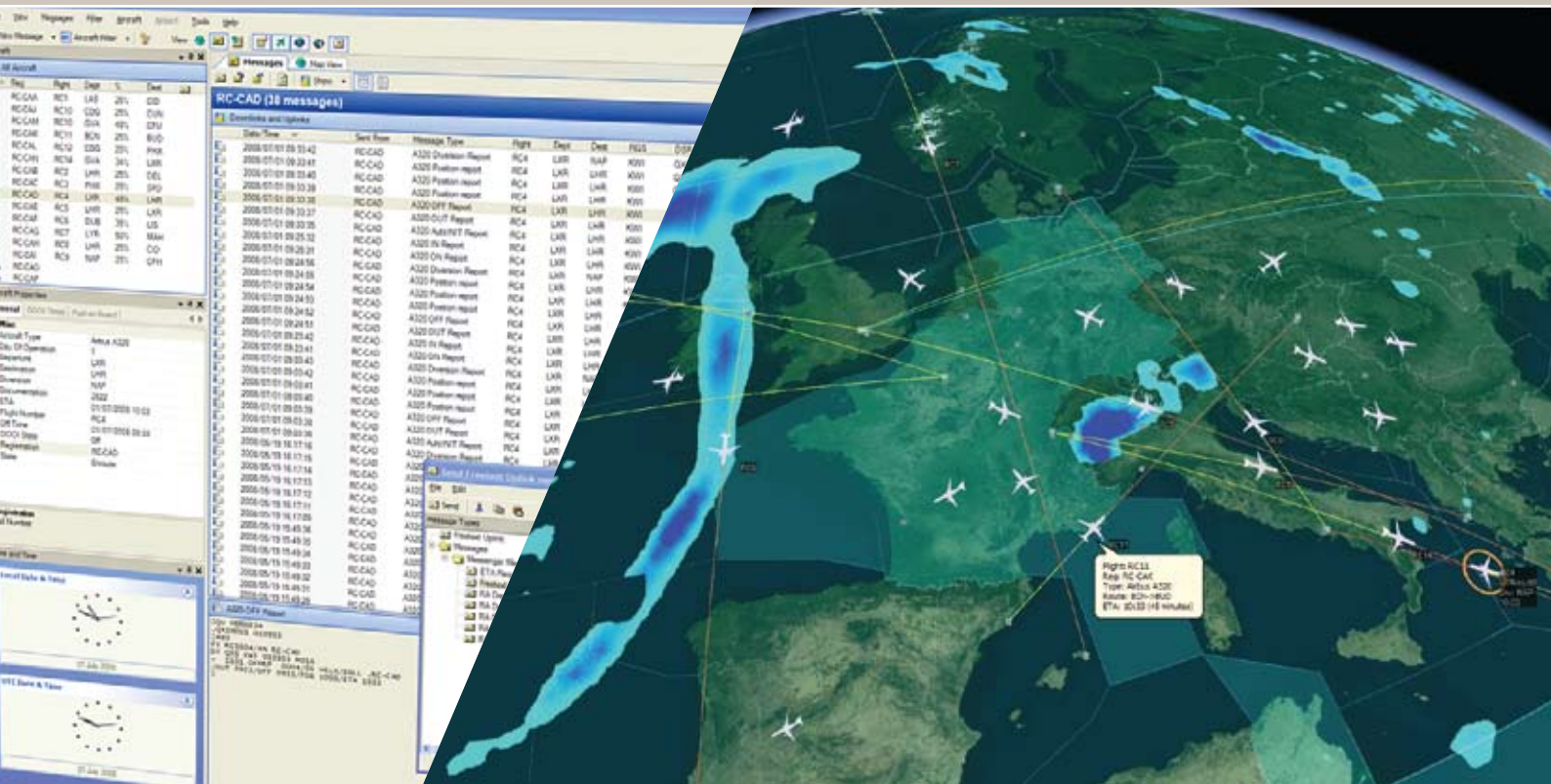


SKYVIEW™ 2100

Enabling collaborative fleet management for today's airlines



Rockwell Collins delivers a fully integrated fleet management desktop, merging multiple data sources into one operations workstation. The result – optimal collaborative decision making as staff across the airline are provided the information they need to make the right decisions, every time.

Airline staff rely on a wide variety of systems and sources of data to make complex, real-time decisions that significantly affect day-to-day operations and the bottom line. The availability and accuracy of data, be it weather, airport or aircraft status, is critical to effective fleet management.

At Rockwell Collins, we've developed SkyView™ 2100 – an invaluable tool for effective communication and collaborative decision making that creates a deeper understanding of your airlines operational situation. SkyView is powered by Rockwell Collins Hermes 2100.

**Rockwell
Collins**

Building trust every day



Make informed decisions with SkyView

Rockwell Collins' SkyView provides an integrated set of tools based around a dynamic situation display that greatly enhances the ability of ground staff to optimally manage the operation.

The flight plan and position of the entire active fleet is shown on the 3D world map. Dynamic map layers that support industry standard content formats including Web Map Service (WMS) and ESRI enable the overlay of critical information such as weather, FIRs, winds or any compatible data source. As a result, the user can quickly visualize the relationship between the fleet and external factors and make informed decisions with confidence.

The current status of each flight is updated based on the flight plan and the latest ETA information. Users can review the current status of an aircraft by selecting it on the map or from the aircraft list.

Communicating is simple. Send a message to a single aircraft or broadcast to all inbound flights by right clicking on the aircraft or the airport, either on the globe or on an information panel.

Taking the next step in efficiency

Monitoring the status of your aircraft, the airports and external factors such as regional weather is critical for smooth operations. With SkyView you can go further by integrating data from your other systems, including flight planning, cost indices, crew scheduling, maintenance and fuel management, to give staff a complete picture of your operation. This can help improve on time performance by enabling timely spares and staff positioning at the destination to help avoid delays.

This level of enterprise application integration is achieved by Rockwell Collins Hermes. It provides seamless integration of your airline's many ground systems with Data Link and the Airborne Communications Addressing and Reporting System (ACARS).

Hermes manages automated processes that span the airline including the aircraft, and can generate significant improvements in efficiency. The system enables direct uplinks of flight plans, load sheets, crew and flight schedules, which reduce turnaround times. Manual interaction when exchanging data, triggering events and generating reports are therefore significantly reduced.

Key benefits

- ▶ **Improve situational awareness** – SkyView can display flight plans, aircraft, airport, weather and aeronautical navigation data on the 3D world map.
- ▶ **Collaborative decision making** – With SkyView on every desktop, employees have a common information reference point when collaborating to make decisions that effect service and cost.
- ▶ **Integrate third party graphical weather, geographical and aeronautical data** – Configure graphical map overlays to suit your operational needs through industry standard content formats. You are in control to choose content from your existing weather or aeronautical data providers. Or Rockwell Collins can help source and deploy new data tailored to your requirements.
- ▶ **Communicate seamlessly** – Send and receive messages to the aircraft and monitor the air and ground message traffic for the entire airline.
- ▶ **Track and reroute flights** – Identify and respond to unplanned events. Optimize fuel and on time performance.
- ▶ **Manage aircraft in incident** – Divert aircraft in emergency situations and control the users' visibility of an aircraft using SkyView Incident Handling.
- ▶ **Integrate and display operational data** – Display data shared between your Airline Operational Control (AOC) systems, flight planning, maintenance, fuel management, crew scheduling or finance systems.
- ▶ **Record and display performance data** – Use Hermes to capture valuable fleet performance information for later reporting and analysis.

Key features

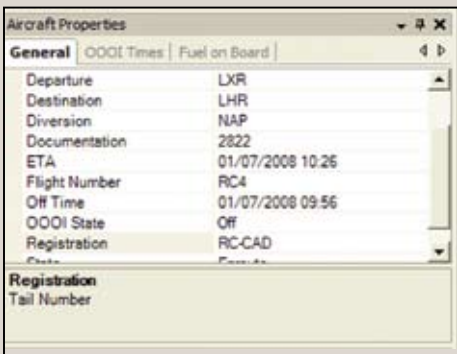


3D world map with overlays

Flight plans, aircraft and airports are displayed in a true 3D representation of the globe, with accurate terrain and day/night cycles. Zoom, pan and rotate your view of the globe to get the optimum tracking position. Map overlays can be configured to show streaming graphical data that complies with the industry standard ESRI shape file or WMS formats. Each overlay can be individually configured to display fixed or dynamic content of your choice such as weather, winds, geographical detail, political borders, FIRs and no fly zones.

Display performance against flight plan

SkyView displays the flight plan and tracks the aircraft position against that flight plan. A historical display of the aircraft's previous positions can be viewed with the click of a button.



Configurable information panels

Information panels show standard flight related data such as flight number, aircraft registration, aircraft type, position and current ETA. In addition, SkyView can be configured to show any data held in connected AOC or related systems. Examples include cost indices, MELs, passenger load, passenger connections, on time performance, fuel originally boarded, fuel on board and crew list. Rockwell Collins can configure this capability for you or provide training so your staff can take ownership.

Incident handling

Aircraft that enter incident state are hidden from view for all users except those with incident management privileges.



Messaging

SkyView allows users to easily send messages to an aircraft by right clicking on the aircraft on the map display. In addition, messages can be broadcast to all aircraft inbound or outbound from a selected airport. Users can choose to populate a range of centrally managed message templates or send free text messages.

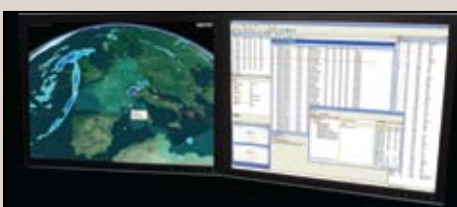
Display of uplinks and downlinks

SkyView allows users to easily view messages sent to and from a selected aircraft by right clicking on the aircraft on the map display, or by using the messaging panel. In addition, users may reply to a message.



Showcase mode

Show the 3D globe full screen with moving aircraft, weather and other overlays without user interface panels and menus obscuring your fleet. Showcase mode is perfect for demonstrating your operation in reception areas or during a presentation.



Configurable workspace across multiple monitors

Display SkyView across multiple monitors to optimize your workspace. Show the globe on one screen and your aircraft, airport or messaging panels on another.

Service wherever, whenever

Total service solutions you can count on. From requirements capture, engineering consulting, installation and throughout your system's life cycle, we are here with comprehensive service and support solutions.

Rockwell Collins delivers reliable solutions, anywhere, anytime – every time.

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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