

ARINC AirTQM™

The real-time turnaround management system

A management tool for coordinating turnaround activities – in real-time – ARINC AirTQM™ from Rockwell Collins will help you to improve aircraft turnaround time and raise on-time performance to new levels, ensuring cost savings and better performance. It improves the management of processes, people and ground service equipment to deliver superb, on-time results.

This powerful web-based application incorporates the latest in mobile data collection technology together with rugged Personal Digital Assistants (PDA) connected via wireless LAN or GPRS data links. Through ARINC AirTQM's powerful management and data analysis interface, managers can now enjoy a clear overview of all turnaround activities with automatic alerts for performance-impacting delays.

Designed for operations controllers and ramp supervisors, ARINC AirTQM provides an unprecedented window into turnaround tasks. From early alerts of potential problems to tighter management control, ARINC AirTQM improves on-time performance for airlines, airports and ground handling agents. Fewer delays mean reduced costs and improved profits.

ARINC AirTQM's tracking and recording of all operations tasks provides an easy and accurate means for collating a clear record of service performance and services rendered, enabling precise performance monitoring and billing. The simple, PDA and web services interfaces enable everyone – from aircraft ramp to back office – to use the system with minimal training. Authorised management personnel can access ARINC AirTQM's management modules from anywhere, via the internet, to view the status of all activities in real-time.

All data gathered by ARINC AirTQM is securely archived for future use and the product incorporates standard reporting features for SLA monitoring, trend analysis and services billing. When integrated with existing operational and resource planning systems, ARINC AirTQM provides the historical performance data for operations forecasting and modelling.



Quick facts

- › Monitors all aircraft turnaround events in real-time
- › Collects and distributes information through wireless handheld devices and web servers
- › Greatly reduces paper records and phone calls
- › Improves personnel and equipment scheduling through more detailed and precise workflow information
- › A powerful database for trend analysis, performance monitoring and quality control
- › Low total cost of ownership and rapid deployment through minimal significant infrastructure costs and risk
- › Significant achievable improvements in ground time performance for accelerated return on investment

Capture event-time stamps for all turnaround services

Through the information captured via wireless handheld PDAs ARINC AirTQM captures a time stamp for each turnaround task: aircraft push back, towing, fuelling, cleaning, catering, etc. It can also be used to monitor cargo, baggage, aircraft loading, flight deck and cabin crew as well as passenger buses, boarding and deplaning operations.

Hold flight profiles for scheduled arrivals and departures

ARINC AirTQM uses tailored flight profiles based on carrier, flight number and aircraft type together with aircraft configuration details and stand/gate usage. By matching time stamps to the stored profile, ARINC AirTQM relays instant colour-coded and severity-graded alerts to events that might delay flight departure.

Provide web-based management and data analysis

A clear and concise view of the turnaround operation is available for ground services managers and operations controllers. Through ARINC AirTQM, dispatchers and turnaround coordinators can now be fully aware of the status of all activities and can focus their attention on the real critical path towards an on-time departure. Senior management are also able to effectively analyse performance through the web-based ARINC AirTQM analysis and reporting functions.

Features

- Captures turnaround event time stamps for accurate performance analysis and billing
- Supports tailored turnaround profiles by airline, aircraft type and schedule
- Colour-coded alerting of critical events with severity grading
- Graphical operational picture for remote supervisory personnel
- Wide range of analytical and management reports

Learn more at rockwellcollins.com/arinc/airports

About Rockwell Collins

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for commercial and government applications. Our ARINC information management services offer seamless, secure and reliable solutions to customers in the aviation & airport, rail and critical infrastructure sectors and enable mission-critical data and voice communications and management throughout the world.

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