

**ARINC** DIRECT®

Thousands of questions.  
**One smart answer.**



Business Aviation Solutions

How can I track my flights from anywhere at any time?

Where is the weather going to be an issue today and what are my options?

Who has the lowest fuel price on the field?



**For more than 75 years ARINC has been providing solutions for complex issues in various industries.** As the leader in aviation technology solutions — in the air and on the ground — ARINC is committed to mitigating risk, improving system performance, increasing operational productivity, and exceeding program requirements.

**ARINC Direct Business Aviation Solutions was created to provide private jet owners and operators with a level of innovation, technology, service, and success unheard of in the industry.** ARINC Direct delivers a first-class suite of services in every aspect of business aviation. Whether it's a diverse array of flight support services, such as advanced flight planning and weather, flight following, contract fuel, international trip support, or one of our other services, like data link or satellite communications, you can rest assured you are being serviced by the most capable company in the industry. With a state-of-the-art Operations Center in Annapolis, Maryland, ARINC Direct is staffed by the industry's best flight coordinators, who maintain around-the-clock service to make sure all of your requirements are met with the utmost quality and dedication.

**ARINC Direct's Business Aviation Solutions are designed to support and enhance the experience of owning a private aircraft.** A perfect complement to a flight department of any size, ARINC Direct will consistently amaze you, whether you are on the ground or at 49,000 feet.

**When selecting a service provider to support your business aviation needs, doesn't it make sense to turn to the company that pioneered the technology and has been ahead of the game from Day One?**



**The best answers come from  
ARINC Direct.**

# How do I efficiently and effectively monitor and manage my flight operations?



## Flight Support Services

**A comprehensive suite of Web-powered tools will revolutionize your dispatch experience.** From any computer, anywhere in the world, you can monitor in-flight movement and diversions, calculate complex flight plans with ease, track weather patterns, communicate with the flight crew, and save your flight department thousands of dollars by arranging for contract fuel.



## Flight Support Services

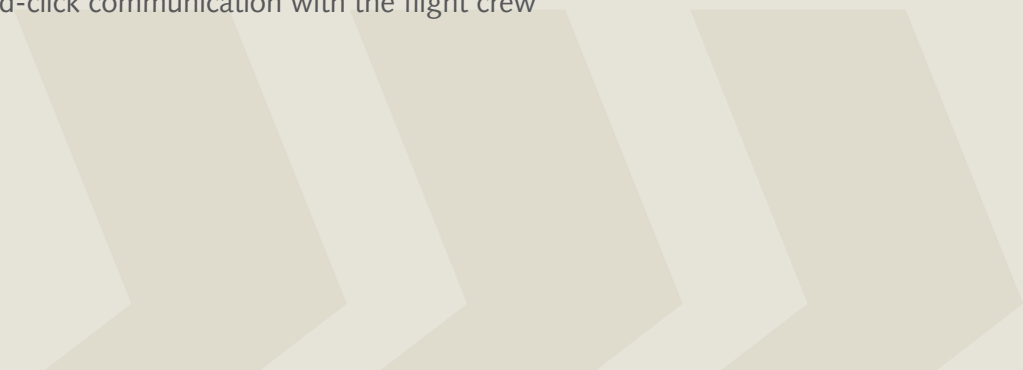
### **Flight Planning**

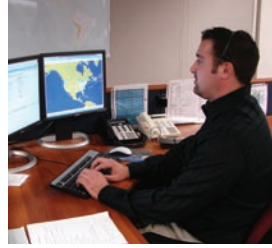
Tools provided by ARINC Direct's flight planning service such as advanced route planning, airway slot management, runway analysis, and CDM participation are what make ARINC Direct the choice of most flight departments, OEMs, and training facilities. Flight plans are tailored to your individual aircraft, and then made available, via data link or disk, for error-free loading into your FMS.

- Worldwide flight planning (U.S. and metric) and electronic filing
- Multiple Route Optimization™
- Known Routes™ database
- ATC Routes and Coded Departure Routes
- Customized weight and balance solutions
- Thousands of CFMU/eRAD-compliant routes
- Graphical route and weather depictions
- Runway analysis with obstacle data by APG
- Integrated AC-U-KWIK data
- Medical and security intelligence and advisories
- Automatic notification of EDCTs and CTOTs
- Critical fuel (ETP) and driftdown computations
- ETOPS compliance
- Turbulence planning and defined-area avoidance
- Third-party provider flight plan storage
- Local time support
- Hundreds of flight plan formats
- Ability to create email and fax flight plan packages
- 24-hour flight planning and technical support

### **Graphical Flight Following**

ARINC Direct's Graphical Flight Following allows you to track the location of your aircraft, no matter where it goes, based on radar data and position reports. Also, you can view your planned route of flight versus the actual route flown, view weather overlays, and get real-time information such as ETA, speed, and altitude.

- Securely track your aircraft from any computer
  - View other traffic, weather, and trends
  - Monitor in-flight movements and diversions
  - Point-and-click communication with the flight crew
- 



## QICP Weather Services

Enhanced situational awareness is achieved through having the most detailed weather data available at any time, any place. ARINC Direct, an FAA QICP certified weather provider, offers a multitude of weather products, including an array of text products and hundreds of prognostic charts and animations.

- METARs/TAFs/PIREPs/SIGMETs/NOTAMs
- Hundreds of Web-based graphical weather charts
- Area forecasts and route weather briefings
- Wind and temperature aloft data
- "Plain language" passenger weather briefs
- Route of flight images with weather overlays
- Significant weather charts and other prognostic charts
- Worldwide radar<sup>†</sup> and satellite imagery

## ARINC Direct Mobile™

To improve efficiency, ARINC Direct now offers an array of services on mobile devices that allow you to always have the most up-to-date information without the need for a computer or phone calls.

- Create, file, amend, and cancel flight plans
- Support for all common mobile browsers
- Real-time text and graphical weather products
- Send messages to and from the aircraft
- Fuel ordering capability
- Route of flight depictions
- Animated (looping) radar imagery
- Access to airport information from AC-U-KWIK

## Air Traffic Services

- Participation in Collaborative Decision Making (CDM)
- Access to D-ATIS, TWIP, and other advisories
- Eurocontrol airway slot management
- Eurocontrol route amendments
- High-density and special event airport reservations

## RVSM Monitoring

- Successfully monitored more than 4,000 aircraft to date
- Monitoring flights requiring no ground station overflight
- Paperwork and application processing
- Constant status updates and FAA liaising
- Short-notice availability
- Cost and time savings over traditional AGHME flights

<sup>†</sup>In supported areas.



## Flight Support Services

### **Contract Fuel Services**

- Contract fuel and credit at 7,000+ locations worldwide
- Fuel contracts with more than 30 suppliers/refineries and hundreds of FBOs/handlers
- Access to ARINC Direct Virtual Fuel Desk™
- Shop fuel prices while flight planning
- Online fuel quoting and ordering program
- No credit cards required

### **Flight Following<sup>†</sup>**

- Highly personalized flight monitoring services
- Access to the FAA Playbook™ routes and initiatives
- Participation in ATCSCC planning teleconferences on your behalf
- Dynamic flight planning, monitoring, and rerouting
- Weather and turbulence avoidance
- Movement reports and overdue aircraft notifications
- Comprehensive in-flight weather and situation updates
- Single-point flight following for a trip
- FCA and TFR avoidance, NOTAM planning
- Concierge and message delivery services
- Significant cost savings for your flight department
- Reduced delays due to proactive planning

### **International Trip Support<sup>†</sup>**

- Flat-rate billing and simple invoicing structure
- International flight planning and ATS coordination
- Custom weather briefings from a licensed meteorologist
- Overflight and landing permits
- Regulatory paperwork and document management
- Risk management, security, and health intelligence
- Ground handling and aircraft services
- Accommodations, transportation, and crew repositioning
- Aircraft catering and other ground logistic coordination
- Visas, passports, CIQ assistance

<sup>†</sup>Additional charges apply.

# What's the fastest, safest, most efficient way to communicate with my aircraft?



## Data Link Communications

Developed by ARINC in the 1970s, data link (ACARS) has become the industry standard for air-ground communication, drastically improving flight safety and operational efficiency. Initially built for the airlines, today nearly every commercial airline and more than half of the world's business jets rely on ARINC for their most serious communication needs. And now, with ARINC Direct, you have the option to come direct to the source, eliminating resellers, for this critical service.



## Data Link Services (ACARS and VDL Mode 2)

- Support for all avionics types
- Uplink flight plans and weather to the FMS
- Uplink flight plans from ARINC and third-party providers
- Uplink Coded Departure Routes (CDRs) as needed
- Send and receive emails, faxes, and text (SMS) messages
- Message via Type B (IATA) and ICAO (AFTN) networks
- Concierge and message delivery services
- Text and graphical weather
- METARs/TAFs/PIREPs/SIGMETs/NOTAMs, etc.
- Uplink winds and temperature aloft
- Aircraft-to-aircraft messaging
- Email to aircraft

## ATS Data Link Services<sup>†</sup>

- Pre-Departure Clearances (PDC and DCL)
- Oceanic Clearance Delivery (OCD)
- FANS, ADS, and CPDLC capability (approved avionics)
- D-ATIS, TWIP, flow reports
- North Atlantic Track (NAT) messages

<sup>†</sup>Depending on avionics type and configuration.

# Flight Deck Weather Graphics

ARINC Direct supports flight deck weather graphics for a variety of avionics types, including next-generation flight decks with Honeywell Primus Epic® or Rockwell Collins Pro Line 21® avionics suites.

In addition, ARINC Direct supports weather graphics to Honeywell AFIS® units equipped with GNS-XLS or NZ-2000 avionics.

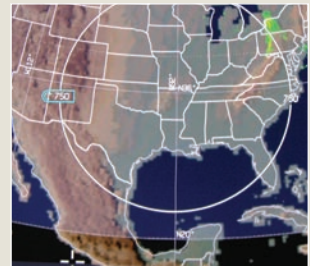
## Graphics Available for Honeywell Primus Epic® Avionics†

Only ARINC Direct unleashes the full power of your Honeywell Primus Epic® flight deck. As the only service provider capable of offering radar data outside of the continental United States, you can rest assured knowing you always have the most up-to-the-minute weather in the flight deck.

### NEXRAD (Radar Summary)

Features: Radar data with unprecedented worldwide availability and the ability to view radar “range rings” unique to ARINC Direct customers.

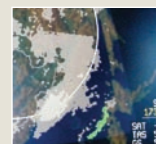
Availability: CONUS, Hawaii, Alaska, Guam, Puerto Rico, Western Europe, Australia, New Zealand, Taiwan, Japan, South Korea, China†, Malaysia†



UK – Europe



Puerto Rico



Japan

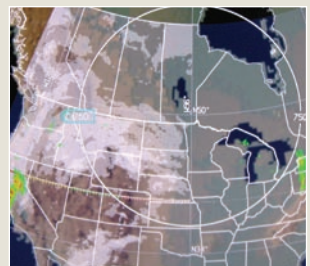


Australia

### Satellite Reflectivity

Features: Worldwide satellite reflectivity with worldwide radar overlays give insight into weather patterns and conditions along your route of flight.

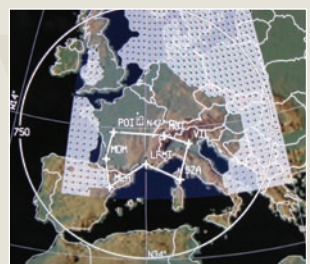
Availability: Worldwide



### Winds Aloft

Features: Color-coded overlays depict wind speeds and trends for your altitude along your route of flight.

Availability: Worldwide



†Areas coming soon.

## Graphics Available for Rockwell Collins Pro Line 21® Avionics<sup>†</sup>

ARINC Direct fully supports all available weather graphics for the Pro Line 21® avionics suite and, depending on your configuration, will display the graphics on either the CDU or IFIS.



### CATMET (Categorical METARs)

Features: Weather depiction chart that indicates which areas are experiencing flight rule conditions.

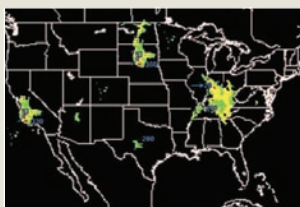
Availability: Worldwide



### NEXRAD (Radar Summary)

Features: Position and intensity of precipitation, as well as its movement relative to the radar site.

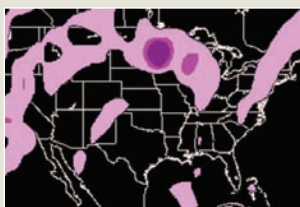
Availability: CONUS and U.S. regions



### Radar with Tops and Movement

Features: NEXRAD data coupled with the altitude of echo tops and direction of movement.

Availability: CONUS and U.S. regions



### Turbulence

Features: Using relative units, this chart depicts the most likely areas for Clear Air Turbulence (CAT) to occur.

Availability: Worldwide



### Icing (Freezing Levels)

Features: Charts at various altitudes that depict areas where aircraft icing is most likely to occur.

Availability: Worldwide



### Winds and Temperature Aloft

Features: Depicts forecast wind direction, wind speed, and temperature.

Availability: Worldwide

<sup>†</sup>Requires CMU-4000 data link control unit.

How do I stay connected at  
49,000 feet?



## Satellite Communications

**Communication is important throughout the plane, and ARINC Direct provides an array of solutions to keep "the back of the plane" connected as well.**

Reading and writing emails, making Voice-over-Internet Protocol (VoIP) phone calls, surfing the Internet, sending and receiving faxes, and video conferencing are just a few of the things made possible by ARINC Direct's satellite communication solutions. Not only does ARINC Direct offer the fastest broadband connections possible, the rates are the lowest in the industry.



## **Flight Deck Services**

- SATCOM voice and data services
- Inmarsat solutions including support for Aero-H/H+/I, Mini-M, Swift64, Swift Broadband (coming soon)
- Solutions for legacy networks such as Aero-C
- Iridium data link solutions
- Satellite connectivity to FSS and oceanic ATC facilities
- Satellite graphical weather support
- Single-number fleet dialing through ARINC Direct Dial™
- Automatic detection of incoming faxes
- Online interface to view real-time activity
- 24/7 technical support with no minimum contracts
- Seamless L-band and Ku-band switching (vice versa)
- Managed service with no minimum contracts
- Online interface to view real-time activity
- Simplified pricing and billing

## **Passenger Services**

- SATCOM voice and data services
- Ku-band (broadband) services (SKYLink/Rockwell Collins eXchange™)
- Seamless Ku-band and L-band switching
- VoIP services
- Satellite graphical weather support for cabin displays
- Single-number fleet dialing through ARINC Direct Dial™
- No connectivity loss when band switching
- Competitive rates with no minimum contracts





## Services

- Flight Support Services
- Data Link Communications
- Flight Deck Weather Graphics
- Passenger Communications

To reach an ARINC Direct sales representative please call 410.266.2266 or email [flightops@arinc.com](mailto:flightops@arinc.com).



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