



# NAVCANlink ▶ See What a Controller Sees

**The ideal system for airport service providers and operators, providing reliable, real-time airfield data.**

Fully integrated with NAVCANsuite applications, NAVCANlink is your solution for an “at-a-glance” summary of core air traffic control information. Its near-real-time display of airfield situational awareness data is based on the same reliable information used by air traffic control personnel. It can be used to support collaborative decision-making among air navigation service providers, airport operators, air carrier operations managers and other users.

NAVCANlink is an invaluable tool that can improve your operations. It displays live feeds of airfield activity using surveillance data combined with flight data and

weather information. As well, it provides operational status information such as NOTAMs (Notice to Airmen) and the status of airfield assets including navigational aids and runway lighting. Its ability to standardize reliable information for end-users, and provide data quickly, helps in reducing aircraft turn-around time and optimizing airfield asset performance.

NAVCANlink can be accessed from web browsers, making vital airfield information available virtually anywhere. Furthermore, its system architecture can be tailored to meet the most challenging security, performance and availability requirements.

## ▶ Product Benefits

NAVCANlink is based on a robust, proven system that is in service at NAV CANADA facilities. NAVCANlink offers the following benefits:

- Provides airport operators and service providers the ability to collaborate using common tools and consistent information
- Improves airport efficiency and reduces aircraft turn-around time
- Offers a quick view of airfield operations, identifying impediments to airfield asset performance
- Facilitates the optimization of airfield asset usage and performance
- Supports historical investigation of performance reductions and incursions using situation replays
- Eliminates client-side special installations and maintenance, thus reducing cost of maintenance and ownership
  - No special hardware needed – uses a general purpose computer
  - Accessible from any computing platform or portable device able to run a compliant web browser
  - No client software installation
- Fully integrated with other NAVCANsuite applications
- Provides data download and external access for additional/third-party processing
- Offers multiple language support

## ▶ Feature Summary

NAVCANlink supports collaboration by providing users, such as airport operations staff and air carrier operations managers, with a near-real-time view of an airport's radar, traffic, weather, airfield lighting and navaid status. It also includes a record and playback function for situation analysis. Its features include:



### Airfield Situation Display

- Detailed aerodrome map with adaptable layer display and user-configurable colour schemes
- Dynamically displays air and ground targets from surveillance data
- Configurable data tags (aircraft type, flight level, speed, destination aerodrome, callsign, departure aerodrome, gate)
- Displays air and ground targets within range of the airfield
- Ability to filter tracks being displayed according to airline carrier and type of flight (arrival, departure, local, overflight)
- Displays runway lighting status

### Airfield Environment Information

- Indicates average wind speed and direction, and gusting
- Provides atmospheric pressure/ altimeter settings

### Airport Performance Monitor

- Gridlock Monitor sets and monitors arrival and departure threshold indicating performance bottlenecks
  - Ground count is available with adaptable, indicated thresholds based on arrival and departure trends
  - Provides graphical depictions of historical arrival and departure rates
- Ground Monitor provides information on arrivals and departures in a user-selectable time period
  - Arrival summaries include arrival count and time on runway. Summaries are available per runway, as well as those in process, and an overall average
  - Departure summaries include departure count and time per departure segment. Summaries are available per runway, as well as those in process, and an overall average
    - Segments supported include apron to taxiway, taxiway to de-icing, de-icing to taxiway and taxiway to line-up
- Daily Summary Monitor provides a summary of arrival and departure counts over the previous eight one-hour intervals, as well as the totals for the whole period
- Flight History provides the history of a given flight for a given day

### Airfield Asset Status

- Provides a runway's distance measuring equipment status
- Provides runway visual range distance
- Includes Edge Lighting Intensity Scale (0–5)
- Displays instrument landing system, localizer and glide path status

### Situation Replay

- Replays any archived time-range
- Replays events forwards or backwards. Includes pause, rewind, fast forward, and fast backward
- Loops through selected historical scenarios continuously

### Archive

- Archives 30 to 45 days of data
- Archived data is available for situation replay and reporting

POE423 (CYUL) - 10/5/2011 (Zulu)

ARR 10/05/2011  
DEP 10/05/2011

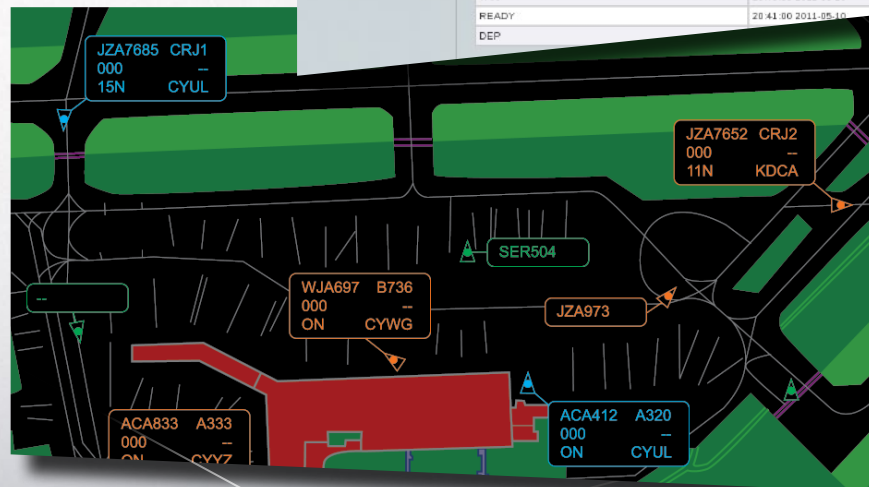
Flight Information	
ACID:	POE423
Civil Registration:	CGLQX
Aircraft Type:	DH8D
Date:	
Departure:	CYUL
Arrival:	CYHZ
Departure/Arrival Time:	20:43:00

Reason Codes

Reason  
None

Events

Event Type	Timestamp
FL	19:12:29 2011-05-10
CL	20:18:58 2011-05-10
TAXI	20:40:59 2011-05-10
READY	20:41:00 2011-05-10
DEP	





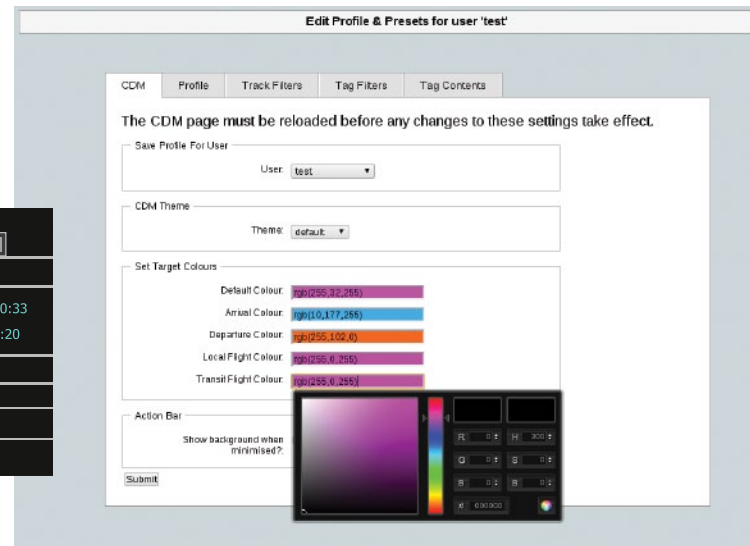
APM - Ground Monitor							
Updated:	2011-05-24 19:49z		Show	departures	based on	last 3 hours	
Departure Runway Averages:							
Runway 24L	60	21:26	34:01	2:19	5:48	30:33	
Runway 60	2	0:24	0:00	3:56		4:20	
Departure Ground Status:		In process	0	Departed	59	Line Up Count	0
Aircraft above threshold:		0					
Total flights:		59					
Departed	59	10:55	17:00	1:09	4:52		

### Static Image and Document Display

- Displays paginated list of static images in a variety of formats

### User Management

- Creates user accounts and assigns user permissions
- Configures user information and preferences:
  - First and last name, email address
  - Selects target colours for default, arrivals, departures, local traffic, and transit traffic
  - Filters tracks by airline; by arrivals and departures; and by local, transit, and other traffic
  - Selection of other traffic data tag content: callsign, level, speed, aircraft type, departure, destination, and gate



### System Management

- Theme Manager controls colour scheme
- Job Scheduler schedules data extraction for third-party processing
- External data access via industry standard protocol (SOAP)

### Data Feeds

- Surveillance data (RADAR ASTERIX CAT xxx)
- Aeronautical Data (NOTAM)
- Environment (wind and pressure sensors)
- Airfield assets (navigational and landing aids, lighting system)
- Flight and gate assignment data

NAVCANlink is a product of NAVCANatm, a leading line of integrated air traffic management products, applications and services. NAVCANatm products are operationally deployed at over 80 sites worldwide for safe, efficient and cost-effective air traffic management. For more information on NAVCANlink and other NAVCANatm products visit our website.



[www.NAVCANatm.ca](http://www.NAVCANatm.ca)