

NDB Explorer enables navigation database interaction and supports efficient procedure validation.

Aircraft Loadable Media

The Aircraft Loadable Media function creates loadable media from a GE Aviationpacked Navigation Database (NDB) onto diskettes, the hard drive, or any Windowscompatible storage device for loading into our Flight Management Computer System. These media sets are relied on by commercial and military customers all over the world every 28 days. NDB Explorer can create ARINC 615 media to be loaded over ARINC 429 or ARINC 665 media that can then be loaded over Ethernet via an ARINC 615A data loader. An ARINC 615 media set can be split into diskette-sized directories on a Windows storage device. This eliminates the need for centralized media creation specialists to write to physical diskettes before deploying to the fleet.

Features:

- ARINC 615 to hard drive or diskette(s)
- Split an ARINC 615 file for diskettes on hard drive
- ARINC 615A/665 support

Browse, Search, Explore

The Browse and Search Functions enable an interactive view into the content of the navigation database. The browse function displays an expandable list of all navigation data records and allows you to identify all references to other records. The search function allows specific records to be quickly found and displayed by typing a few letters of the associated record's identifier. Selected data is displayed in its own tab, and any related records are available to expand and explore.

Features:

- Browse entire contents of an NDB
- Search for specific content in an NDB
- Expand and Explore references to other records

Export

The Export function allows the customer to export the contents of the NDB to a SQLite relational database intended for machine-to-machine communication. The export file can be used by custom tools and applications for customer-specific needs. In addition to the relational data tables, the export file includes database views of procedures to support human readability.

Features:

- Flexible SQLite format supports custom tools and applications
- Accurate representation of the NDB in an industry-standard format
- · Human-friendly procedure views

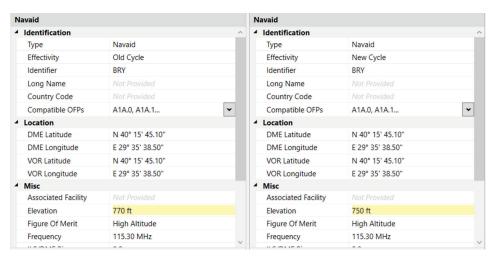
							Step				Approach		
Path							Down			Turn	▲ Identification		
Sequence	Terminator	Fix	Flyover	IAF	FAF	MAP	Fix	FEP	Course	Direc	Type Approach		
DEWHY Transition										Effectivity Both Cycles			
10	IF	DEWHY		~							Airport KATL		
20	CF	CTEEE							95.0° M		Identifier L10		
YINNZ Transition										Source Identifier L10			
10	IF	YINNZ		~							Tailored False		
20	TF	DEWHY									Compatible OFPs A1A.0, A1A.1		
30	CF	CTEEE							95.0° M		4 Misc		
Final										► Associated Facility IOMO			
10	IF	CTEEE									GSI Altitude Not Provided		
20	CF	ZMANN			~				95.0° M		Only flown with FAS D Not Provided		
30	CF	RW10	~			>			95.0° M		Path Point Not Provided		
Misse	Missed										RNP-AR False		
	CA								95.0° M		▶ Runway RW10		
5.00	CF	SCARR							185.0° M	-	Transition Altitude 18000 ft		
	НМ	SCARR							5.0° M		11		

Compare

The compare function identifies changes and differences between navigation databases. NDB Explorer allows the comparison of Navigation Databases, loadable media, SQLite export files, and Gold Standard Databases. It provides overall change statistics and displays all differences with an intuitive side-by-side comparison. The results can be filtered and refined to highlight key differences in tailored data, RNP-AR procedures, and all other record types.

Features:

- Quickly identify data that has been added, removed, and changed.
- Intuitive side-by-side comparison
- Filters on tailored data and RNP-AR procedures



Lateral Viewer

The Lateral Viewer function displays a top-down predicted view of all procedures, airways, and company routes in an NDB. The lateral path is created using GE FMS predictions and provides valuable insight into the predicted path flown by the flight crew.

Features:

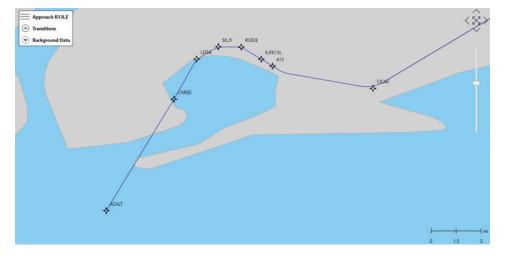
- Top-down lateral view of any procedure
- Real FMS path predictions
- · Excellent situational awareness

Gold Standard Database

The Gold Standard Database function establishes a reference database containing previously validated data. Once a Gold Standard Database has been created the compare function enables cyclic monitoring of any navigation database record, such as RNP-AR procedures, company routes, and RNAV overlays of conventional approaches. NDB Explorer records a detailed history of user-provided comments for each record in the Gold Standard Database for change management and auditing purposes.

Features:

- Simple monitoring of navigation data
- Enables efficient procedure validation
- Maintains a detailed history of every record



GE Aviation 3290 Patterson Ave. SE Grand Rapids, MI 49512 616-241-7000 www.geaviation.com