

The database update subscription service is offered to provide current, accurate navigation information for your UNS System. Navigation databases are compiled from official State sources and supplied to Universal Avionics Systems Corporation by Lufthansa Systems or other qualified suppliers. Navigation databases may also include customer tailored data not originating from a State authority, such as at private airports/runways and private arrival/departure procedures. The end user has the responsibility to verify the suitability of this data for the intended operation. Updates are available for download from Universal Avionics web site or are provided on 512MB USB Flash Drives. Updates are loaded into the UNS System via DTU-100 or SSDTU data transfer unit.

Navigation information includes:

Airports: Public use airports with plain-language references for locations having one hard surfaced runway at least 2,000, 4,000 or 5,000 feet long, depending on the coverage selected. Some private airports, and some airports with soft-surfaced and gravel runways are included.

Nav aids: Nav aids with plain-language references for: VHF nav aids (VORs, VOR/DMEs, VORTACs, TACANs, DMEs, ILS/DMEs) and NDB nav aids.

Airways All high and low enroute airway routes published by government agencies.

Intersections/Waypoints: All enroute waypoints (intersections) published by government agencies for on-airway and off-airway navigation. All terminal waypoints (intersections) associated with SID, STAR, or approach procedures. VFR reporting points are also included.

SIDs, STARs and Approaches: For included airports, SIDs, STARs, and approaches, including transitions and missed approach procedures. Includes ILS, LOC, BC, GPS, RNAV, VOR, VOR/DME, NDB, and TACAN approaches. Multiple approaches of the same type to the same runway are included in the database; i.e. if there are two RNAV approaches to runway 23 charted as "RNAV (GPS) Y Rwy 23" and "RNAV (GPS) Z Rwy 23" they are displayed as "RNV Y 23" and "RNV Z 23" on the FMS. The multiple approach indicator may be an alpha or numeric character. The navigation database contains a maximum of 99 SIDs, STARs or approaches at any particular airport. Some private and some special permission required SID, STAR and approach procedures are included.

Coverage for true-course SID, STAR and approach procedures are available to qualified operators, call for details.

Runways: Runways at included airports with a minimum length of 2000, 4000 or 5000 feet, as applicable. Some private runways, and some soft-surfaced and gravel runways are included.

Navigation information does not include:

- Vector only procedures
- Visual procedures
- LDA, SDF, and GBAS GLS approaches
- NDB approaches outside the USA and Canada at airports not surveyed under WGS-84
- For fixed-wing databases, approaches with inbound course style identifiers (e.g. RNAV (GNSS) 028)
- Radius to Fix (RF) legs (except in 1000-RF database)

Updates The annual subscription service includes thirteen updates shipped on a 28-day cycle. The navigation information is only valid for the 28-day period for which it was produced. New updates are sent from Universal Avionics and available on Universal Avionics web site prior to the effective date of each cycle update.

NOTAMs NOTAMs and Navigation Database Flight Safety Alerts (FSAs) are available at http://fms-info.lhsystems.com/FSA_NDA.htm.

RTCA/DO-200A Universal Avionics complies with applicable RTCA/DO-200A and FAA requirements as they apply to navigation databases for use by end customers in Universal Avionics' flight management systems with software control number 601.x/701.x or later. Universal Avionics publishes the compliance status and information concerning any data problems found during processing or after delivery on the company website at <http://www.uasc.com>.

The navigation databases may contain customer tailored data not originating from a State authority, such as private airports and runways or private arrival or departure procedures.

The end user has the responsibility to verify the suitability of this data for the intended operation.

As defined in RTCA/DO-200A, the end user has the ultimate responsibility to ensure the data requirements are met. These responsibilities are satisfied, in part, by obtaining navigation data from an RTCA/DO-200A-compliant supplier such as UASC. By using UASC navigation data, the end user accepts the data quality requirements defined by UASC in the UASC *RTCA/DO- 200A Compliance Plan for the Navigation Databases*, a copy of which can be obtained from UASC upon request. **Further, per RTCA/DO-200A, the end user should verify the navigation data is current, valid, and appropriate for the intended operation. The end user also should become familiar with applicable notices to airmen (NOTAMs), Lufthansa Navigation Database Alerts, NavBlue FMS Navigation Database bulletins, NFD alert notifications, and UASC Navigation Data notices and alerts that may affect operation. Finally, the end user should notify UASC if it discovers an error or inconsistency in the data.**

A separate navigation database license subscription is required for each aircraft or simulator training device using Universal's Software. Subscriptions are non-refundable when cancelled.

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30 Jan 2024

World Coverage

Worldwide coverage. Contains VHF and NDB nav aids with plain language references, enroute and terminal waypoints, high and low altitude airways, airports, SIDs, STARs, and approaches for all ten ARINC areas.

1000-W2
2000' Runways

1000-W4
4000' Runways

1000-W5
5000' Runways

World RF Capable

Contains procedures with radius to fix (RF) legs.
AFM(S) or RFM(S) for applicable aircraft must include a
statement that the aircraft is capable to fly RF legs.
Please contact Universal Avionics directly to request this database.

Worldwide coverage. Contains airports (runways ≥ 2000 ft) with plain language references, VHF and NDB nav aids with plain language references, enroute and terminal waypoints, high and low altitude airways, SIDs, STARs, and approaches for all ten ARINC areas.

1000-RF

World Helicopter

Contains airports, runways and facilities not suitable for fixed wing aircraft

Worldwide coverage. Contains airports (runways ≥ 2000 ft) and heliports with plain language references, VHF and NDB nav aids, high and low altitude airways, SIDs, STARs, and approaches for all ten ARINC areas.

Also includes selected heliports worldwide and additional airports (hard and soft surface runways ≥ 1000 ft) in the North American geographical area bounded by N50°, W95°, N23° and W65°.

1000-H

Supports both DTU-100 (100MB Zip Disk Media) and Solid State DTU (512MB USB Media)

2024 Prices (Renewals or new service with start dates from 1 January 2024)

Please contact Universal Avionics Database Sales Administration for pricing information:

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