

ABOUT AERO

The Aeronautical Navigation Office (AERO), serves a specialized mission within the National Geospatial-Intelligence Agency. AERO produces safety of navigation information that enables more than 13,000 DoD and partner nation aircraft to safely navigate to nearly any airfield in the world under a variety of conditions. We maintain and update nearly 2 billion data elements for all global airfields and the worldwide enroute airway structure.

Our skilled aeronautical analysts review, extract, validate, and map nearly 45 million airfield data changes on a 28-day cycle, and produce an entire suite of flight information publications which are disseminated both digitally and in print form.

AERO serves a diverse customer base which includes the Intelligence Community, the National System for Geospatial Intelligence, the U.S. Military Services, the Federal Aviation Administration, along with other U.S. Government agencies, and even several allied partners.



AERO
NAVIGATION OFFICE

FLY WITH US. FLY WITH CONFIDENCE.

Take your career to new heights >



CUSTOMER SURVEY

Help us help you! We love feedback!



AERO WEEK

Each June, the NGA Aeronautical Navigation Office (AERO) hosts a global summit in St. Louis, Missouri, called AERO WEEK. This event merges the worldwide aeronautical Safety of Navigation (SoN) enterprise to collaborate and innovate solutions to SoN issues. These meetings directly influence the data and services AERO provides to our customers, like you! We love to have representation and input from our end-users.

To receive information about upcoming AERO WEEK events, join the email list below:



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NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
AERONAUTICAL NAVIGATION OFFICE



**QUICK
REFERENCE
GUIDE**

WEBSITES

ACES 1.5 Commercial ACES-UNCLASS Data (uses ASPS Account for Login)

WWW <https://aerodata.leidos.com/AeroDownload/login.html>

ACES 2.0 CAC-ENABLED (up to FOUO//LIMDIS)

NIPR <https://aeronautical.nga.mil/> *
SIPR <https://aeronautical.nga.smil.mil/>
JWICS <https://aeronautical.nga.ic.gov/>

ASPS Aeronautical Source Packaging Service

WWW <https://asps.leidos.com/>
JWICS <https://asps.nga.ic.gov/>

WebDVof Digital Vertical Obstruction File Site

NIPR <https://webdvof.apps.kubic.nga.mil/> *
SIPR <https://webdvof.apps.kubic.nga.smil.mil/>
JWICS <https://webdvof.apps.kubic.nga.ic.gov/>

Map of the World

NIPR <https://map.nga.mil/> *
SIPR <https://map.nga.smil.mil/>
JWICS <https://map.nga.ic.gov/>

TAKTICS (Search/Download Geospatial Data & Imagery)

NIPR <https://taktics.tak.gov> *^

DTED Digital Terrain Elevation Data

NIPR <https://grid.nga.mil/> *
SIPR <https://grid.nga.smil.mil/>
JWICS <https://grid.nga.ic.gov/>

The Globe

NIPR <https://globe.nga.mil/> *
SIPR <https://globe.nga.smil.mil/>
JWICS <https://globe.nga.ic.gov/>

CADRG/ECRG NavPlan and AFSOC Updates (NIPR)

<https://gis.geointel.nga.mil/cgi-bin/gdn/listMdsCadrgFrameUpdates.cgi> *
<https://gis.geointel.nga.mil/cgi-bin/gdn/listAFSOCEnrouteCDs.cgi> *
SIPR <https://aeronautical.nga.smil.mil/>

*CAC required | ^TAK.gov account required

AERO APP

iOS | Android | Windows

AeroApp.info



The only FREE DoD-owned application
supporting Electronic Flight Bags (EFB) &
Electronic Knee-Boards (EKB)

OPSEC and your safety are our #1 priority!

AERO APP does NOT collect any user data or metrics.

(ADS) Aero Data Server Handles the deployment of AERO APP data over a locally hosted Wi-Fi or hardwired network, enabling customers to retrieve aeronautical data in a fast and secure way while supporting user documents and custom maps.

(AUD) Aero User Database Create an account on **AeroApp.info** for easy AERO data download directly to your device. Annual password reset.

Map Library Includes NavPlan charts, range charts, maps for Search and Rescue Mission, and many others that can be displayed on the moving map.

AERO HELP DESK Your ongoing resource for answers to questions about AERO products, data, and services. Fully operated by the NGA Aeronautical Navigation Office (AERO) to support your mission.

AeroHelp@nga.mil

1-877-817-9134 Toll Free

312-846-0684 DSN

577-7102 Secure VIOP

PRODUCTS

(AERO APP) Aeronautical Mobile Application

Displays aeronautical safety of navigation content on tablets and mobile devices (EFB/EKB) used by flight crews in DoD and allied aircraft.

(AAFIF) Automated Air Facilities Intelligence File

A text file containing infrastructure data for over 48,000 airfields worldwide.

(DAFIF®) Digital Aeronautical Flight Information File

A digital navigation database containing global flight planning, airfield, enroute, and terminal data used by aircraft Flight Management Systems and Mission Planning Software.

(DVof) Digital Vertical Obstruction File

A worldwide database of vertical obstructions.

(FLIP) Flight Information Publications

The full line of DoD hardcopy and electronic products used for aeronautical flight planning and in-flight navigation, from takeoff to landing.

(AFD) Airfield Foundation Data

A collection of infrastructure data, features, and shape files of airfields worldwide and surrounding areas.

(E-IPL) Electronic Instrument Procedures Library

A library of worldwide instrument procedure graphics supplementing standard FLIP Terminals, comprised of host nation procedures converted from native formats to DoD FLIP specifications.

Want us to come visit? Let us know!

NGA AERO has an Outreach Program dedicated to onsite customer engagement and support.