

# National System for Geospatial Intelligence (NSG)



## Foundation GEOINT (FG) Intelligence Mission Data Plan

XX April 2023

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 SIPRNET: [FGNOXReqsOfficers@nga.smil.mil](mailto:FGNOXReqsOfficers@nga.smil.mil)  
 JWICS: [FGNOXREQSOfficers@coe.ic.gov](mailto:FGNOXREQSOfficers@coe.ic.gov)

**(U) Access the electronic copy of this document on Intellipedia here:**

NIPRNET: [https://intellipedia.intelink.gov/wiki/Foundation\\_GEOINT\\_IMD\\_Plan](https://intellipedia.intelink.gov/wiki/Foundation_GEOINT_IMD_Plan)  
 SIPRNET: [https://intellipedia.intelink.sgov.gov/wiki/Foundation\\_GEOINT\\_IMD\\_Plan](https://intellipedia.intelink.sgov.gov/wiki/Foundation_GEOINT_IMD_Plan)  
 JWICS: [https://intellipedia.intelink.ic.gov/wiki/Foundation\\_GEOINT\\_IMD\\_Plan](https://intellipedia.intelink.ic.gov/wiki/Foundation_GEOINT_IMD_Plan)

**(U) Access additional general information on NGA Products and Services here:**

NIPRNET: <https://globe.nga.mil/catalog>  
 SIPRNET: <https://globe.nga.smil.mil/catalog>  
 JWICS: <https://globe.nga.ic.gov/catalog> (Reference (a))

**(U) Access additional general information on NSG GEOCOM and NSGD 1501 here:**

NIPRNET: <https://intelshare.intelink.gov/sites/geocom/layouts/15/start.aspx#/SitePages/Home.aspx>  
 JWICS: [https://nsg.ic.gov/nsg2/nsgd1/default.cfm?pg=nsgd1501\\_home](https://nsg.ic.gov/nsg2/nsgd1/default.cfm?pg=nsgd1501_home)

## **(U) Executive Summary**

(U) The National System for GEOINT (NSG) Foundation GEOINT Intelligence Mission Data Plan provides guidance to aid in the completion of the GEOINT component for Lifecycle Mission Data Plans for developing systems as outlined in DODD 5250.01 “Management of Intelligence Mission Data (IMD) in DoD Acquisition.” (reference (b)) Additionally, this document provides the NSG a roadmap to facilitate the integration and use of geospatial data, information, and services for warfighters, combat/system developers, the military services, and the Combatant Commands. This roadmap is a guide and communicates National Geospatial-Intelligence Agency (NGA) and community decisions over the five-year development plan on production, standards, formats, and delivery methods for the following Foundation Geospatial Intelligence (GEOINT) Domains: Air, Science, Land, and Sea.

(U) Foundation GEOINT (FG) is the data, products, and services describing the earth and other celestial bodies' physical and cultural characteristics. Foundation GEOINT, in the form of features, elevation, controlled imagery base, geodetic sciences, geographic names, political boundaries, aeronautical, maritime, digital point positioning database (DPPDB), and human geography, provides the basic framework for visualizing the joint common operational picture (COP). Foundation GEOINT services include tools that enable users to access and manipulate data and provide instruction, training, laboratory support, weapon systems analysis, and guidance for the use of geospatial data.

(U) To better support our policy makers, war planners, and GEOINT partners, FG will move toward interoperable, time-dominant, federated and integrated geospatial intelligence capabilities. The Foundation GEOINT Group (SF) seeks to anticipate partner requirements by forecasting the global Foundation GEOINT needs of the community and continually assessing GEOINT content. This requires collaborative partnerships, task-sharing lanes, and an ability to communicate SF capabilities. The GEOINT content portfolio ensures improved discoverability, visualization, and access to products and services consistent with the Integrated GEOINT Plan.

(U) FG content provides the base of the “NGA Map of the World” to support visualization and analysis needs for all NSG users, as well as support the creation of standard and custom maps, charts and digital products. The IC GIS portal allows users to leverage data to create custom web applications, operations dashboards, and acts as the data and search registry back-end for Map of the World.

(U) As part of the overall comprehensive plan to improve Foundation GEOINT products and services in support of the NSG, the IMD serves to align the NSG's efforts to: (1) Use technology, partnerships, commodity data, and improved business processes to enhance the accuracy, currency, density, discoverability, and quality of data holdings; (2) Increase consumer satisfaction and meet consumer expectations through consumer interaction; and (3) Continuously improve the quality of existing infrastructure and define future infrastructure requirements.

**Todd E. Johanesen**  
**Director, Foundation GEOINT Group (SF)**

## **(U) Purpose**

(U) This document provides guidance to aid in the completion of the GEOINT Intelligence Mission Data component for Lifecycle Mission Data Plans for developing systems, as outlined in DODD 5250.01 “Management of Intelligence Mission Data (IMD) in DoD Acquisition.” (reference (b)) This document satisfies NGA requirements to provide information on level of IMD availability, development of data architectures, formats, compatibility and standards, dissemination and data management. This document provides the NSG a roadmap to understand and facilitate the use of interoperable geospatial data, information, and services for military services and Combatant Commands, the Intelligence Community, other members of the NSG, and system developers. This roadmap is intended to guide decisions on production, standards, business processes, and IT infrastructures for the Foundation GEOINT geospatial content areas. This document provides the strategic direction and proposed transition timelines for new products/formats as well as any product or format termination. This document provides an additional channel of coordination for any product changes with affected entities in the NSG. Communication and synchronization between NGA and the NSG is crucial to successfully evolve new standards and products.

## **(U) Scope**

(U) This plan provides a forecast over a five-year development period for the NSG outlining Foundation GEOINT data, information, and products for the eight data content areas spread throughout the various Foundation GEOINT production offices. This document provides an easily referenced authoritative guide relating to current and future NSG products, as well as a source of standards, formats, and contact information.

**(U) The plan will be reviewed and updated annually with full coordination across the NSG at the annual in-residence Foundation GEOINT NSG Operations Executive forum.**

## **(U) Governance**

(U) Management and implementation of this plan is accomplished under the authority and direction of the Foundation Data Requirements Subcommittee (FRSCOM) under the National Geospatial Intelligence Committee (GEOCOM), and related responsibilities and authorities as outlined in CJCSI 3901.01 G, Requirements for Geospatial Information and Services. (reference (c)) The Geospatial Intelligence Working Group (GWG) is the NSG’s community advocate for the adoption, adaption, and development of GEOINT standards and related artifacts. It works closely with national and international standards organizations (e.g. Open Geospatial Consortium (OGC)) to ensure the needs of the NSG community are represented to the largest degree practical, thereby promoting common solutions to common problems. The

GWG decides on the status and inclusion of geospatial standards in the Defense IT Standards Registry (DISR).

(U) NGA will continue to develop new standards and products to replace older versions and to realize cost savings and productivity gains. Sunset actions will be done in accordance with NSG Directive (NSGD) 1501, "Termination or Change of Geospatial Intelligence Products and Services," (reference (d)) and will be properly coordinated with the NSG. The Office of Primary Responsibility (OPR) is required to determine impacts and formally coordinate the transition plan. After community coordination and approval of a transition plan, GEOCOM must formally notify the Services, Combatant Commands (CCMDs), and Civil Agencies at least 365 days before changing or terminating the product. The GEOINT Functional Manager makes the final sunset decision when disagreement between customers and the OPR. No single entity can initiate or stop a product termination without coordinating with other entities.

### **(U) Definitions of Terms and Field Names**

**(U) Office of Primary Responsibility (OPR):** Code for the content producer.

**(U) Availability:** Indication of whether the product presently exists. If not, indicates Fiscal Year (FY) it can be expected. Replaces FY Fields.

**(U) Planned 1501 Sunset:** Fiscal year a Foundation GEOINT product, data, and/or service will be discontinued, as approved through NSGD 1501 Process.

**(U) Requirement Types:** This column defines how requirements are submitted for each line. See reference (c) for amplifying information on submitting requirements:

- **(U) Geographic GI&S requirements** identify specific products, data, and service types over a specific geographic area, or for a defined mission need. These requirements are identified and coordinated for prioritization and production on an annual cycle. These requirements define where support is needed. Geographic requirements are generally handled via the FRSCOM approved requirements tool; certain exceptions are products that have an extent but are not part of the requirements process detailed in ref (c) (usually due to classification).
- **(U) Functional GI&S requirements** identify the types of products, data, and services that are required to train, equip forces, and support systems. These requirements are identified on a 3-year cycle. These requirements define what type of support is needed and are not intended to define where support is needed. Functional requirements are generally handled via requirements letters as described in ref (c).

**(U) Delivery Method:** Identifies dissemination option for requested Foundation GEOINT product, data, and/or service. All delivery methods for products are indicated.

**(U) Network:** DoD networks where Foundation GEOINT product, data, and/or service can be accessed. All networks that products can be accessed are indicated.

**(U) Data Format:** Identifies deliverable data types for Foundation GEOINT product, data, and/or service.

**(U) Deliverable:** Type of Foundation GEOINT output: "Product," "Data", or "Service." Replaces Interface Field.

**(U) Map of the World:** Identifies if Foundation GEOINT product, data, and/or service is "Discoverable," "Viewable," and/or "Downloadable" on Map of the World for each DoD network.

**(U) Standard/Spec:** Identifies which DoD IT Standards Registry (DISR) Specification(s) the requested Foundation GEOINT product, data, and/or service will meet.

**(U) Proposed Sunset:** Estimated date for termination of Foundation GEOINT product, data, or service, prior to formal approval through NSGD 1501 Process.

**(U) Proposed 1501 Replacement:** Identifies replacement to Foundation GEOINT product, data, or service that was Sunset through NSGD 1501 Process. Replaces Proposed Product Field.

**(U) Legacy Content:** Legacy content is a distinct sub-category of products contained within certain domains. Legacy products are still available for ordering/download from the Defense Logistics Agency (DLA)/NGA as applicable. Legacy products will not be updated with new editions, and in some cases support for use may be limited. Where a legacy product is being replaced by a new product, the legacy product will be incrementally replaced in DLA/NGA Print on Demand (PoD) by the new product as it becomes available. Legacy content will always be available from the GEOINT Research Center.

**(U) Universally Unique Identifier (UUID):** TBD FY23; A = Air, L = Land, SC = Science, SE = Sea

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## (U) Summary of Changes

(U) See the Changelog on page 84 for a complete list of changes.

### Overall:

- Added Universally Unique Identifier (UUID) to NGA-owned Product Lines
- Consolidated U.S. Geological Survey (USGS) and USARMY products in new NSG section
- Consolidated SFC, SFP, and GEOINT Information Office (ST) products in new NGA section.
- Updated product description, expected releasability, and links for all products.
- Alphabetized each section.

### Air:

- Obstruction Change File (OCF) sunset date 7/31/2024.
- Other minor updates to comments for clarity/accuracy.

### Science:

- Overview and point of contact page updated.
- New sub-domain Lunar and WGS-84.
- Addition of new products.

### Land:

- Product descriptions added to Human Geography sub-domain.

### Sea:

- Multiple products extended significantly.



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**Air**  
**Aeronautical Navigation Office (SFA)**  
**NGA – Air Domain**

**(U) Overview**

(U) The Aeronautical Navigation Office provides timely, relevant, validated, and accessible aeronautical products and data to support safety of navigation for flight planning and operational needs of the Department of Defense flight crews and aeronautical intelligence to support decision makers. The Aeronautical Navigation Office utilizes multiple data sources for this information and intelligence. NGA collects and combines information from international partners, who share data according to International Civil Aviation Organization (ICAO) standards. The Aeronautical Navigation Office also exchanges data with the Federal Aviation Administration (FAA) through the National Flight Data Center (NFDC), Aeronautical Navigation Services (AeroNavServices), and United States Notice to Air Mission (NOTAM) Service (USNS). This data includes vertical obstructions, flight and airport information, Aeronautical Information Publications (AIP), the Defense Aeronautical Information Portal (DAIP) and NOTAM Manager, and terminal instrument procedures and similar data that ensure safety of aircraft navigation.

(U) The Aeronautical Navigation Office's existing data/product dissemination methods include hard copy (paper) via DLA Department of Defense Activity Address Code (DoDAAC) accounts, DVD, and online (Aeronautical Source Packaging System (ASPS) and the Aeronautical Application; Consolidated Aeronautical Resources Download Site (CARDS) is incorporated into Aeronautical Content Exploitation System (ACES) 2.0). Continued support to ongoing modernization efforts enabling machine-to-machine transfer, delta downloads and cloud access to NGA products will improve critical product delivery to the warfighter. Following a significant transformation of the existing ACES website, ACES 2.0 became available 3QFY21, featuring an improved graphics user interface and common functionality across data/product dissemination tools.

**(U) Data and Product Listing, Timelines and Details**

Refer to Table

**(U) POC Information**

Aeronautical Helpdesk:

NIPRNET E-MAIL: [aerohelp@nga.mil](mailto:aerohelp@nga.mil)

SIPRNET E-MAIL: [aerohelp@nga.smil.mil](mailto:aerohelp@nga.smil.mil)

JWICS E-MAIL: [aerohelp@coe.ic.gov](mailto:aerohelp@coe.ic.gov)

Toll Free: 1-877-817-9134

Comm: 314-676-5439

DSN: 312-846-5439

**(U) Common Entry URL (NIPRNET):** <https://aeronautical.nga.mil>

**(U) Aeronautical Content Exploitation System (ACES) websites:**

WWW (username/PW): <https://aerodata.leidos.com/>

SIPRNET (beta): <https://aerodata.nga.smil.mil/AeroBrowser/>

JWICS: <https://aerodata.nga.ic.gov/AeroBrowser/>

**(U) Other Aeronautical Websites on NIPRNET/WWW:**

ASPS: <https://asps.leidos.com/>

ACES 1.5 (WWW): <https://aerodata.leidos.com/AeroDownload/>

Air																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
A01	Digital Data																
A01_001	Aero Application (Aero App)	(U)	SFA	Present		Functional	ACES 2.0; NGA App Store; Apple Store; DVD	WWW, NIPR, SIPR	EXE, PKG, APK, IPA	Mobile Application	1,3	1,3		1.2012.x (iOS), 1.2012.x (Android), 1.2012.x (Windows)			Delivery system that hosts Aero data and products on an Electronic Flight Bag (EFB)/Electronic Knee Board (EKB). Aero App is an alternate dissemination platform replacing legacy paper Aero data/products. Aero Data Server, AWS, Digital Devices
Product Description: App developed to display multiple aero products as an Electronic Flight Bag. Available for iOS, Android and Windows operating systems.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeroapp.info">https://aeroapp.info</a> ; <a href="https://aeronautical.nga.mil/aero-app">https://aeronautical.nga.mil/aero-app</a>																	
A01_002	Automated Air Facilities Intelligence File (AAFIF)	(U)	SFA	Present		Functional	Online; DVD	NIPR, SIPR, JWICS	Access, PDF, Tab Delimited, Text File via EAREP, UL Files	Product	1,2,3	1,2,3	1,2,3	PS_1GE_005			Automatically updated when an AFD Baseline or LAG are completed.
Product Description: Dataset containing detailed information about all known airfields (48,000+)																	
Expected Releasability: UNCLASSIFIED/LIMDIS																	
Data Hosting Location: NIPRNET: <a href="https://aero.geointel.nga.mil/products/tfads/index.cfm">https://aero.geointel.nga.mil/products/tfads/index.cfm</a> , JWICS: <a href="https://aero.geoint.nga.ic.gov/products/tfads/index.cfm">https://aero.geoint.nga.ic.gov/products/tfads/index.cfm</a>																	
A01_003	Classified Automated Air Facilities Intelligence File (AAFIF)	(U)	SFA	Present		Functional	Online; DVD	SIPR, JWICS	Tab Delimited, PDF, Access, UL Files, Text File via EAREP	Data; Service	1,2,3	1,2,3	1,2,3	PS_1GE_005			Automatically updated when an AFD Baseline or LAG are completed.
Product Description: Dataset containing detailed information about all known airfields (48,000+)																	
Expected Releasability: SECRET//NOFORN																	
Data Hosting Location: SIPRNET: <a href="https://aero.geointel.nga.smil.mil/products/tfads/index.cfm">https://aero.geointel.nga.smil.mil/products/tfads/index.cfm</a> , JWICS: <a href="https://aero.geoint.nga.ic.gov/products/tfads/index.cfm">https://aero.geoint.nga.ic.gov/products/tfads/index.cfm</a>																	
A01_004	Digital Aeronautical Flight Information File (DAFIF) 8.0	(U)	SFA	Present	FY24	Functional	Online; DVD	NIPR, SIPR, JWICS	Tab Delimited	Product	1,2,3	1,2,3	1,2,3	V4.1	12/31/2024	DAFIF 9.0	#2
Product Description: Dataset containing all information required for mission planning, enroute and terminal navigation. Includes airfields, nav aids, refueling tracks, airspace and waypoints.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/dafif">https://aeronautical.nga.mil/dafif</a> , SIPRNET: <a href="https://aerodata.nga.smil.mil/AeroBrowser">https://aerodata.nga.smil.mil/AeroBrowser</a> , JWICS: <a href="https://aerodata.nga.ic.gov/AeroDownload">https://aerodata.nga.ic.gov/AeroDownload</a>																	
A01_005	Digital Aeronautical Flight Information File (DAFIF) 8.1	(U)	SFA	Present		Functional	Online; DVD	NIPR, SIPR, JWICS	Tab Delimited	Product	1,2,3	1,2,3	1,2,3	V4.1			
Product Description: Dataset containing all information required for mission planning, enroute and terminal navigation. Includes airfields, nav aids, refueling tracks, airspace and waypoints.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/dafif">https://aeronautical.nga.mil/dafif</a> , SIPRNET: <a href="https://aerodata.nga.smil.mil/AeroBrowser">https://aerodata.nga.smil.mil/AeroBrowser</a> , JWICS: <a href="https://aerodata.nga.ic.gov/AeroDownload">https://aerodata.nga.ic.gov/AeroDownload</a>																	

Air																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
A01_006	Digital Aeronautical Flight Information File (DAFIF) 9.0	(U)	SFA	FY22		Functional	Online; DVD	NIPR, SIPR, JWICS	XML	Data	1,2,3	1,2,3	1,2,3	ARINC 424-23			DAFIF 9.0 will be implemented for new airframes and data block changes to flight management systems. Test data expected to be available in 2022.
Product Description: Dataset containing all information required for mission planning, enroute and terminal navigation. Includes airfields, nav aids, refueling tracks, airspace and waypoints.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: <a href="https://aeronautical.nga.mil/daif">https://aeronautical.nga.mil/daif</a> (once available in 2023)																	
A01_007	Digital Vertical Obstruction File (DVOF)	(U)	SFA	Present		Functional	Online	NIPR, SIPR, JWICS	I-Pipe Delimited text file	Data	1,2,3	1,2,3	1,2,3	NGA PS for VOs (Aero), 2nd Ed., JUNE 2015			DVOF itself is not downloaded. It is a "snapshot" of the VO database used to produce the many VO products such as the OCF, VVOD and TFADS-O. It is accessed via WebDVOF by customers to produce custom VO product queries.
Product Description: Snapshot of the Vertical Obstruction databases. Is used to produce the user-facing products of OCF, VVOD, TFADS-O.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/vo">https://aeronautical.nga.mil/vo</a> ; <a href="https://dvof.geointel.nga.mil">https://dvof.geointel.nga.mil</a> , SIPRNET: <a href="https://vvod.geoint.smil.mil/">https://vvod.geoint.smil.mil/</a> , JWICS: <a href="https://dvof.geoint.nga.ic.gov/">https://dvof.geoint.nga.ic.gov/</a>																	
A01_008	Electronic-Instrument Procedures Library (E-IPL)	(U)	SFA	Present		Functional	Online	NIPR, SIPR, JWICS	PDF	Data	1,2,3	1,2,3	1,2,3	Spec 3.0			Available via NGA Custom Media upon request.
Product Description: E-IPL contains non-validated host-nation FLIP translated into a standard format.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: Aero Mobile Application (Aero App), NIPRNET: <a href="https://aeronautical.nga.mil">https://aeronautical.nga.mil</a>																	
A01_009	Obstruction Change File (OCF)	(U)	SFA	Present	FY24	Functional	Online; Custom DVD	NIPR, SIPR, JWICS	ASCII	Data	1,2,3	1,2,3	1,2,3	NGA PS for VOs (Aero), 2nd Ed., JUNE 2015	7/31/2024	CADRG, TFADS-O	1501 M3 Termination message sent out DTG 291834Z SEP 22
Product Description: Subset of DVOF that contains obstructions that have changed. Used in mission planning.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/vo">https://aeronautical.nga.mil/vo</a> ; <a href="https://dvof.geointel.nga.mil">https://dvof.geointel.nga.mil</a> , SIPRNET: <a href="https://vvod.geoint.smil.mil/">https://vvod.geoint.smil.mil/</a> , JWICS: <a href="https://dvof.geoint.nga.ic.gov/">https://dvof.geoint.nga.ic.gov/</a>																	
A01_010	Table Formatted Aeronautical Data Set - Obstructions (TFADS-O)	(U)	SFA	Present		Functional	Online; Custom DVD	NIPR, SIPR, JWICS	Tab Delimited	Data	1,2,3	1,2,3	1,2,3	NGA PS for VOs (Aero), 2nd Ed., JUNE 2015			The Table Formatted Aeronautical Data Set - Obstructions (TFADS-O) is currently available and will replace VVOD, resulting in more timely delivery of data to the customer in more manageable file sizes with no loss of data. Delta download capability is still being developed.
Product Description: Data containing global obstructions.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/vo">https://aeronautical.nga.mil/vo</a> , JWICS: <a href="https://dvof.geoint.nga.ic.gov/">https://dvof.geoint.nga.ic.gov/</a>																	

Air																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
A01_011	Vector Vertical Obstruction Database (VVOD)	(U)	SFA	Present	FY24	Functional	Online; Custom DVD	NIPR, SIPR, JWICS	VPF	Data	1,2,3	1,2,3	1,2,3	MIL-PRF-89049/9A	12/31/2023	TFADS-O	VVOD is a vector-based digital product that portrays vertical obstruction data. It will be replaced by TFADS-O. #2
Product Description: Data containing global obstructions. Expected Releasability: UNCLASSIFIED Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/vo">https://aeronautical.nga.mil/vo</a> ; <a href="https://dvof.geointel.nga.mil">https://dvof.geointel.nga.mil</a> (NIPRNET), SIPRNET: <a href="https://vvod.geoint.smil.mil/">https://vvod.geoint.smil.mil/</a> , JWICS: <a href="https://dvof.geoint.nga.ic.gov/">https://dvof.geoint.nga.ic.gov/</a>																	
A02	Products																
A02_001	Area Arrival Charts Depicting Terrain Data (AACDTD)	(U)	SFA	Present		Geographic	FLIP DVD; Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	PS_1FA_050			Part of the FLIP requirement; includes 3 charts for Alaska; terrain data layers are a key aspect
Product Description: Part of the FLIP requirement; includes 3 charts for Alaska; terrain data layers are a key aspect Expected Releasability: UNCLASSIFIED Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A02_002	Airfield Foundation Data (AFD) - Baseline	(U)	SFA	Present		Geographic	Online; Email	NIPR, SIPR, JWICS	GeoPDF, KMZ, SHP	Data; Product	1,2,3	1,2,3	1,2,3	v2_6			Airfield Foundation Data (AFD) product; LAG is a GeoPDF. A .KMZ file is included to view data in GoogleEarth.Vector collection in the form of .SHP. This is also a functional requirement for DAFIF airfields.
Product Description: Vector data depicting airfields; includes runways, taxiways, surfaces, nav aids, perimeter information. Expected Releasability: UNCLASSIFIED//LIMDIS Data Hosting Location: NIPRNET: <a href="https://aero.geointel.nga.mil/products/sac/AfId_Search.cfm">https://aero.geointel.nga.mil/products/sac/AfId_Search.cfm</a> ; <a href="https://aeronautical.nga.mil/mission-planning/AFD">https://aeronautical.nga.mil/mission-planning/AFD</a> , SIPRNET: <a href="http://aero.geoint.nga.smil.mil/products/SAC/">http://aero.geoint.nga.smil.mil/products/SAC/</a> , JWICS: <a href="http://aero.geoint.ic.gov/products/SAC">http://aero.geoint.ic.gov/products/SAC</a>																	
A02_003	AFD - Layered Airfield Graphics (LAG)	(U)	SFA	Present		Geographic	Online; Email	NIPR, SIPR, JWICS	GeoPDF	Data; Product	1,2,3	1,2,3	1,2,3	v2_6			Airfield Foundation Data (AFD) product
Product Description: AFD Vector data overlaid on imagery. Vector layers can be individually controlled. Expected Releasability: UNCLASSIFIED//LIMDIS through SECRET//NOFORN Data Hosting Location: NIPRNET: <a href="https://aero.geointel.nga.mil/products/sac/AfId_Search.cfm">https://aero.geointel.nga.mil/products/sac/AfId_Search.cfm</a> ; <a href="https://aeronautical.nga.mil/mission-planning/AFD">https://aeronautical.nga.mil/mission-planning/AFD</a> , SIPRNET: <a href="http://aero.geoint.nga.smil.mil/products/SAC/">http://aero.geoint.nga.smil.mil/products/SAC/</a> , JWICS: <a href="http://aero.geoint.ic.gov/products/SAC">http://aero.geoint.ic.gov/products/SAC</a>																	
A02_004	Airfield Qualification Program (AQP)	(U)	SFA	Present		Geographic	Online	NIPR, SIPR, JWICS	PDF	Product	1,2,3	1,2,3	1,2,3				FAA and DOD situational awareness product for identified AQP airfields.
Product Description: FAA and DOD situational awareness product for identified AQP airfields. Expected Releasability: UNCLASSIFIED//LIMDIS Data Hosting Location: NIPRNET: <a href="https://aerodata.nga.mil/AeroDownload/">https://aerodata.nga.mil/AeroDownload/</a>																	
A02_005	Flight Information Publications (FLIP) - DVD	(U)	SFA	Present		Functional	Dual Layer DVD; Online	NIPR, SIPR, JWICS	PDF	Product	1,2,3	1,2,3	1,2,3				FLIP DVD includes DoD FLIP, FAA and Canadian FLIP products.
Product Description: FLIP DVD includes DoD FLIP, FAA and Canadian FLIP products. Expected Releasability: UNCLASSIFIED//LIMDIS Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/">https://aeronautical.nga.mil/</a> , SIPRNET: <a href="http://aerodata.nga.smil.mil/AeroBrowser/">http://aerodata.nga.smil.mil/AeroBrowser/</a> , JWICS: <a href="http://aerodata.nga.ic.gov/AeroDownload">http://aerodata.nga.ic.gov/AeroDownload</a>																	

Air																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
A02_006	FLIP - Enroute Supplements	(U)	SFA	Present		Functional	FLIP DVD; Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	PS_1FA_010, PS_1FA_020, PS_1FA_025			US IFR Supplement; foreign Enroute Supplements (AFR, CSA, EEA, ENAME, PAA), Flight Information Handbook (FIH)
Product Description: Regional FLIP products that provide additional information on airfields, nav aids, and communication centers as an extension to respective Enroute Charts.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/">https://aeronautical.nga.mil/</a> , SIPRNET: <a href="http://aerodata.nga.smil.mil/AeroBrowser/">http://aerodata.nga.smil.mil/AeroBrowser/</a> , JWICS: <a href="http://aerodata.nga.ic.gov/AeroDownload">http://aerodata.nga.ic.gov/AeroDownload</a>																	
A02_007	FLIP - High and Low IFR Enroute and Area Charts, worldwide	(U)	SFA	Present		Functional	FLIP DVD; Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	PS_1FA_005			Small-Scale, charts that depict the enroute structure.
Product Description: Small-Scale charts that depict the enroute structure.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A02_008	FLIP - Planning Documents (GP, AP)	(U)	SFA	Present		Functional	FLIP DVD; Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	PS_1FA_015			General Planning (GP); Area Planning (AP); AP/1B (MTR) charts
Product Description: FLIP products that provide general planning and reference information.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/">https://aeronautical.nga.mil/</a> , SIPRNET: <a href="http://aerodata.nga.smil.mil/AeroBrowser/">http://aerodata.nga.smil.mil/AeroBrowser/</a> , JWICS: <a href="http://aerodata.nga.ic.gov/AeroDownload">http://aerodata.nga.ic.gov/AeroDownload</a>																	
A02_009	FLIP - Seamless IFR Enroute Chart	(U)	SFA	Present		Functional	Online	NIPR	CADRG, ECRG	Product	1,2,3						Available in Beta version -1:1M, 1:2M scale; loaded to Consolidated Aeronautical Resources Download Site (CARDS); potential to be accessible via SIPRNET. Only US Army has an official requirement submitted via the FG NOX.
Product Description: CADRG/ECRG formatted enroute charts for use in moving maps or in other tools that use CADRG format																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/mission-planning/cadrg-seamless-ifr">https://aeronautical.nga.mil/mission-planning/cadrg-seamless-ifr</a>																	
A02_010	FLIP - Worldwide Terminal Instrument Procedures	(U)	SFA	Present		Functional	FLIP DVD; Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	PS_1FA_007, PS_1FA_014, PS_1FA_025, PS_1FA_004-091			DOD FLIP terminal procedures plus Electronic-Instrument Procedure Library (E-IPL). E-IPL available on-line, AeroApp and via E-IPL DVD downloadable from ACES 2.0.
Product Description: DoD validated terminal instrument procedures. Volpe format translations of host nation instrument flight procedures.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A03	Online Services																
A03_001	Aeronautical Content Exploitation System (ACES) 2.0	(U)	SFA	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	PDF	Data; Product	1,2,3	1,2,3	1,2,3				NGA Aero website for discovering, viewing and downloading aeronautical data and products. ACES 2.0 is a consolidation of other programs and is the primary dissemination platform for all Aeronautical data and products. Full availability 3QFY21
Product Description: Updated cloud-based service for accessing Aeronautical content. Went live on 2 Aug 2021. ACES 2.1 Beta testing starts XXXX and goes live on 1 Oct 2021.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/">https://aeronautical.nga.mil/</a>																	

Air																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
A03_002	Aeronautical Services Monthly Airfield Activity Report (ASMAAR)	(U)	SFA	Present		Functional	Online	JWICS	PDF, Tab Delimited	Data			1,2,3				Provides updates for airfield name changes, deletions & additions.
Product Description:																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: JWICS: <a href="https://aerodata.nga.ic.gov/AeroBrowser">https://aerodata.nga.ic.gov/AeroBrowser</a> ; <a href="https://aerodata.nga.ic.gov/AeroDownload">https://aerodata.nga.ic.gov/AeroDownload</a> ; <a href="https://asps.geoint.nga.ic.gov">https://asps.geoint.nga.ic.gov</a>																	
A03_003	Aeronautical Source Packaging Service (ASPS)	(U)	SFA	Present		Functional	Online	WWW, JWICS	PDF	Data							ASPS currently holds 69 file variants.
Product Description: Online service for accessing host nation and translated aeronautical content. Database; links to E-IPL products, links to DINS/DAIP																	
Expected Releasability: UNCLASSIFIED/LIMDIS																	
Data Hosting Location: NIPRNET: <a href="https://asps.leidos.com">https://asps.leidos.com</a> , JWICS: <a href="https://asps.geoint.nga.ic.gov">https://asps.geoint.nga.ic.gov</a>																	
A03_004	Special Aeronautical Information Request (SAIR)	(U)	SFA	Present		Geographic	On-Demand; Email; Online	NIPR, SIPR, JWICS	GeoPDF	Product	1	1	1				Process for requesting Airfield Graphics.
Product Description: Process for requesting Airfield Graphics.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aerodata.nga.mil/AeroDownload">https://aerodata.nga.mil/AeroDownload</a> ; <a href="https://aerodata.nga.mil/datasets/2020_07_16/aqp/sra.zip">https://aerodata.nga.mil/datasets/2020_07_16/aqp/sra.zip</a> SIPRNET: <a href="https://aerodata.nga.smil.mil/AeroBrowser">https://aerodata.nga.smil.mil/AeroBrowser</a> ; <a href="https://aerodata.nga.smil.mil/AeroDownload">https://aerodata.nga.smil.mil/AeroDownload</a> ; <a href="https://asps.geoint.nga.smil.mil">https://asps.geoint.nga.smil.mil</a> , JWICS: <a href="https://aerodata.nga.ic.gov/AeroBrowser">https://aerodata.nga.ic.gov/AeroBrowser</a> ; <a href="https://aerodata.nga.ic.gov/AeroDownload">https://aerodata.nga.ic.gov/AeroDownload</a> ; <a href="https://asps.geoint.nga.ic.gov">https://asps.geoint.nga.ic.gov</a>																	
A03_005	WebDVOF	(U)	SFA	Present		Functional	Online	NIPR, SIPR, JWICS	ASCII, SHP, TXT, Tab Delimited, VPF	Service	1,2,3	1,2,3	1,2,3				WebDVOF hosts DVOF (a snapshot of the DVOF database) and VO data sets. DVOF is updated every 28 days. NOTE: VO data also provided via QUINT FTP and Security Co-op Information Portal (SCIP) to foreign partners.
Product Description: Online service for accessing Vertical Obstruction Content																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://dvof.geointel.nga.mil/">https://dvof.geointel.nga.mil/</a>																	
A04	External Hosted by NGA																
A04_001	Authoritative Meteorological and Oceanographic Information	(U)	SFA	Present		Functional	Online	WWW, NIPR	GeoPDF, PDF, MBTiles	Data	1,2,3	1,2,3	1,2,3				Meteorological and Oceanographic (METOC) info is hosted via NGA's Aero App and MoW; national meteorological centers (e.g. NOAA) and DoD entities; Air Force Weather will be available. (e.g. AF Weather (557th Weather Wing) and Navy METOC (Fleet Numerical METOC Center)). Currently, note: NOAA and commercial weather is also available (for situational awareness only or when authoritative DoD METOC information is not available). Potential future additions to Aero App and MoW could include space electromagnetic effects, volcanic ash, and other geoscience related info.
Product Description: Meteorological and Oceanographic (METOC) info (which includes space electromagnetic effects, volcanic ash, and other geoscience related info) is hosted via NGA's Aero App and MoW; national meteorological centers (e.g. DoD and NOAA). Weather will be available (e.g. AF Weather [557th Weather Wing] and Navy METOC [Fleet Numerical METOC Center]). Portions of available weather data are updated to the Aero App Weather data bucket every 5 minutes. This data includes, but is not limited to Terminal area forecasts (TAFs) and current conditions at airports reporting weather. DoD METOC sources should be your first source for METOC information given its availability and trustworthiness. NOAA and other commercial sources should only be used when DoD METOC information is not available.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: Aeronautical Mobile Application (Aero App), NIPRNET: <a href="https://aeronautical.nga.mil/mission-planning/weather">https://aeronautical.nga.mil/mission-planning/weather</a>																	



Air																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
A04_002	FAA Chart Supplements	(U)	SFA	Present		Functional	FLIP DVD; Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	Canadian specification			
Product Description: Canadian FLIP, including planning documents, enroute charts and supplements, and instrument procedures. Available in hard copy from Defense Logistics Agency (DLA) and electronically on the DoD FLIP DVD, NGA's aeronautical web sites, and the DoD Aeronautical Mobile Application																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A04_003	FAA Chart Supplements	(U)	SFA	Present		Functional	Hardcopy; Online; FLIP DVD	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	IAC-8			US Government (FAA) specification
Product Description: FAA product that provides additional information on airfields																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A04_004	FAA Terminal Procedures	(U)	SFA	Present		Functional	Hardcopy; Online; FLIP DVD	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	IAC-4, IAC-7, IAC-14, IAC-17			US Government (FAA) specifications
Product Description: FAA produced terminal procedures available via FLIP DVD and ACES 2.0.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A04_005	FAA US High and Low Enroute Charts	(U)	SFA	Present		Functional	Hardcopy; Online; FLIP DVD	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	IAC-1, IAC-5			US Government (FAA) specification
Product Description: FAA small-scale charts depicting the CONUS enroute structure.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	
A04_006	FAA Visual Flight Rules (VFR) (Low Altitude Charts)	(U)	SFA	Present		Functional	Hardcopy; Online	NIPR, SIPR, JWICS	Hardcopy, CADRG, ECRG	Product	1,2,3	1,2,3	1,2,3	IAC-2			US Government (FAA) specifications
Product Description: FAA small-scale charts for visual navigation in terminal areas.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://aeronautical.nga.mil/flip">https://aeronautical.nga.mil/flip</a>																	

**Comment Column Codes**

- 1: NSGD 1501 pending
- 2: NSGD 1501 in process
- 3: Sunset message pending
- 4: Sunset message sent; within 365-day p
- 5: NSGD 1501 does not apply

Items highlighted in yellow are scheduled for change, modification or sunset within the next 2 years.

Items highlighted in green indicate a change from the previous year.

Availability columns highlighted in grey indicate Legacy status: no longer updated, with remaining holdings available.

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**Land**  
**Office of Geography (SFG)**  
**NGA – Land Domain**

**(U) Overview**

(U) The NGA Office of Geography (SFG) provides global geographic data, products, and services to support national security objectives through military operations, humanitarian assistance, disaster relief, and intelligence activities. SFG acquires, analyzes, compiles, and disseminates Foundation GEOINT, satisfying U.S. Military, intelligence community, and interagency topographic, human geography, geographic names, and political boundaries requirements. Primary functions and operational responsibilities of the Office of Geography include the following activities:

**(U) Topography:**

- Coordinate and collaborate with national and international mission partners in the collection, exchange, and compilation of geographic features.
- Produce, maintain, and disseminate 53,000+ maps across nine mapping/charting product lines including Topographic Maps, Image City Maps, and Navigation Planning (NAVPLAN) Charts, as well as specialized Evasion Charts, to accomplish worldwide missions at the strategic, operational, and tactical levels.
- Continue Foundation GEOINT modernization efforts to facilitate automated processes and software and improve data and product delivery to customers.

**(U) Data Management:**

- Improve the ability to support customer requirements through policy and procedure development and execution while enhancing the value of data assets throughout the lifecycle.
- Support data governance across all SFG missions.

**(U) Geographic Names:**

- Serve as the official steward of Geographic Names for the U.S. Government as set forth by Public Law 80-242 which requires geographic names to adhere to U.S. Board on Geographic Names (USBGN) standards in all official products.
- Leverage analytic resources, both internal and external to NGA, to populate the Geographic Names Database (GNDB).

**(U) Political Boundaries:**

- In collaboration with the U.S. Department of State, provide and maintain the U.S. Government's land and maritime boundaries under U.S. Code Titles 10 and 50 for sovereignty issues.

**(U) Human Geography:**

- Focus on the relationships between people and places, emphasizing spatial temporal patterns of geo-referenced human traits and activities in the context of their environment.
- Provide Human Geography support based on four broad themes:
  - Collective Identities (Ethnic, Religious, Linguistic, Political, and Ideological)
  - Community Systems (Education, Health, Economic, Water, Energy, Security, Places of Worship, and Cultural Heritage Points)
  - Broad Aggregate Statistics (Demographic, Population Distribution, Census, Election and Polling, Economic, and Land Use Data)
  - Events (Protests and Demonstrations, Humanitarian, Violence, and Disasters)

**(U) Data and Product Listing, Timelines and Details**

Refer to Table

**(U) POC Information:****(U) Topographic Features:**

NIPRNET: [topodataquality@nga.mil](mailto:topodataquality@nga.mil)  
 SIPRNET: [topodataquality@nga.smil.mil](mailto:topodataquality@nga.smil.mil)  
 JWICS: [topodataquality@nga.ic.gov](mailto:topodataquality@nga.ic.gov)

**(U) GeoNames:**

NIPRNET: [geonames@nga.mil](mailto:geonames@nga.mil)  
 SIPRNET: [geonames@nga.smil.mil](mailto:geonames@nga.smil.mil)  
 JWICS: [geonames@nga.ic.gov](mailto:geonames@nga.ic.gov)

**(U) Human Geography:**

NIPRNET: [HumanGeography@nga.mil](mailto:HumanGeography@nga.mil)  
 SIPRNET: [HumanGeography@nga.smil.mil](mailto:HumanGeography@nga.smil.mil)  
 JWICS: [HG\\_Analysts2@coe.ic.gov](mailto:HG_Analysts2@coe.ic.gov)

**(U) Political Boundaries:**

NIPRNET: [boundariesland@nga.mil](mailto:boundariesland@nga.mil)  
[boundariesmaritime@nga.mil](mailto:boundariesmaritime@nga.mil)  
 JWICS: [boundariesland@nga.ic.gov](mailto:boundariesland@nga.ic.gov)  
[boundariesmaritime@nga.ic.gov](mailto:boundariesmaritime@nga.ic.gov)

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L01	Human Geography - Broad Aggregate Statistics																
L01_001	Census Data	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data collected by a nations government through an official survey of the population of a country that is carried out in order to find out how many people live there and to obtain details of such things as people's ages and jobs. Data is collected in an administrative hierarchy, made up of administrative areas, and normally includes statistical reporting units for enumeration. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L01_002	Demographic Data	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, HTML Previews, XML, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data characterizing a localized human population in terms of aggregate metrics that may be general (overall size, age distribution, sex distribution), household-based (place of birth, marital status, size and composition, type of living quarters, duration of residency, security of tenure), economic (educational attainment, literacy, employment status, income), and/or health (births, deaths, illness). In some areas, especially in developing countries, other information of interest includes energy (type, use, and reliability), water access, sanitation infrastructure, vehicle ownership, and medical access. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L01_003	Economic Data	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data on an area's employment sectors and centers - both public and private - its primary functions in the movement or provision of goods and services, its key facilities, its markets and the components of their associated supply chains, and the size and location of the population seeking jobs. It includes activity that is informal or illicit (outside an authorized regulated structure) and that which is illegal (prohibited). It is inter-related with thematic information on infrastructure related to power, water, and transportation infrastructure. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L01_004	Election and Polling Data	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, GDB, SHP	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data used in defining an election, including election districts, polling locations, contests, candidates, ballot style, and election results. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	

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											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L01_005	Land Use Land Cover	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: (Land use) Spatially-enabled data that describes the purpose the land serves, such as residential communities, commercial complexes, reservoirs, agricultural production, industrial activity, preserve parks or reserves, etc. (Land cover) The physical covering of the earth's surface at a given location, whether planted or natural vegetation, water, urban infrastructure, road asphalt, or nothing at all (bare soil).													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L01_006	Population Distribution Data	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data that describes the density of the population, usually in a "gridded" format, i.e. by square kilometer. Examples include LandScan Global and Landscan HD.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L02	Human Geography - Collective Identities																
L02_001	Ethnic Identity	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Identification primarily based on shared ancestry and history (actual or presumed), but may be inextricably linked to specific religious beliefs, cultural mores and practices, and/or linguistic usage.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L02_002	Ideological Identity	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data that describes the ideology of a population. Ideology is a body of doctrine, myth, or belief that guides an individual, social movement, institution, class, or large group. An ideology is a belief system that underpins a political or economic theory. Ideologies form the operating principles for running a society. Examples of ideologies include liberalism, conservatism, socialism, communism, theocracy, agrarianism, totalitarianism, democracy, colonialism, and globalism.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													

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											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L02_003	Linguistic Identity	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data on the distribution of communities that collectively identify based upon shared use of a specific language; relevant attribution includes its relationship to other languages, dialectic forms, normal modes of communication, and any temporal, geographic, or setting-dependent limitations on its open use (such as in schools, economic activities, social activities); may overlap with group affiliations based upon ethnicity, adherence to a specific religious belief system, geographic origin, common socio-economic status, or shared ideological or political perspective. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L02_004	Political Identity	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Acquired identity element based on a commitment to a belief system regarding community governance, the modes of its organization, and the rights and responsibilities of rulers and ruled. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L02_005	Religious Identity	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data on the distribution of communities that collectively identify based upon adherence to a shared belief system; includes location and unique characteristics of places of worship, monuments, or shrine; social standing may be indicated by the degree openness allowed for observable burial practices, ritualized group behaviors and display of symbology; may overlap with group affiliations based upon ethnicity, language use, geographic origin, common socio-economic status, or shared ideological or political perspectives. Threats against religious sites, activities, or symbology may be perceived as threats against the broader group and can be the driver for mobilization (see conflict triggers). Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L03	Human Geography - Community Goods																
L03_001	Communication Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data about quality, reliability, extent or coverage, accessibility, and/or control of the networked means (analog or digital) to transmit/receive verbal, written, photographic, or videographic; a given medium may allow for interpersonal interactions with individuals or groups (mail correspondence, voice calls), for open and generally wide consumption (print, broadcast, internet), or both (internet). Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	

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UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L03_002	Cultural Heritage Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description:Spatially-enabled data on the monuments, landscapes, interior spaces, architecture, ruins, archaeological remains or centralized holdings of artifacts that have historical, religious, ethnological, and/or ideological meaning that convey an elevated significance to a physical location or which is important to the collective identity of some sub-set of people, possible existing across a range of scales. This may include those currently residing in proximity to it, a displaced population with a historical claim to the location, or a regional, national, or international population with a shared valuation of it; threats against such locations may be perceived as threats against the broader “value” group and can be the driver for mobilization (see conflict triggers).													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L03_003	Economic Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description:Spatially-enabled data on an area's employment sectors and centers - both public and private - its primary functions in the movement or provision of goods and services, its key facilities, its markets and the components of their associated supply chains, and the size and location of the population seeking jobs. It includes activity that is informal or illicit (outside an authorized regulated structure) and that which is illegal (prohibited). It is inter-related with thematic information on infrastructure related to power, water, and transportation infrastructure.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L03_004	Education Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data on the distribution of schools (at all levels), vocational or specialized training centers, and institutions of higher learning. Individual entities may be characterized or distinguished by its management (public versus private), admission restrictions, resources, and condition.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L03_005	Energy Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description:Spatially-enabled data on settlement or household fuel use across the entire range of financial costs, energy efficiencies, and pollution and safety risks; includes relevant “rungs” on the “energy ladder,” ranging from solid biofuels (animal/crop waste, wood, charcoal, coal) to non-solid fuels (kerosene, ethanol/methanol, liquefied petroleum gas (LPG), natural gas) to distributed electricity generation (diesel generators, solar panels, micro- hydro) to centralized electricity; also includes network supply components related to sourcing, processing, distribution, and storage; attribution of interest may reflect relationship of fuel type to specific – possibly reserved – use (heating, cooking, communications).													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													



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UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L03_006	Health and Medical Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data on the distribution of resources (facilities, skilled staff, medicines) for disease prevention, the treatment of illness and/or injuries, and maternity/natal care. This can include the location, accessibility, affordability of hospitals, clinics, pharmacies, and emergency response services.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L03_007	Place of Worship Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description:Spatially-enabled data on the distribution of structures or spaces where individuals or a group of people such as a congregation come to perform acts of devotion, veneration, or religious study. Temples, churches, mosques, and synagogues are examples of structures created for worship.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L03_008	Security Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data related to circumstantial uncertainty or tenuousness -- in terms of food or water supply, energy for cooking and heat, control of occupied land or dwellings, or physical welfare -- perceived by a population at a given location. This may involve concern over personal safety because of persecution, conflict, or other generalized violence; concern over the supply and availability of basic commodities for subsistence; concern over possible eviction from housing/shelter or economically valuable land (tenure insecurity).													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L03_009	Transportation Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data on networked routes and/or the means by which people and goods circulate within a geographic region. Includes transport modes (air, rail, road, ship, pedestrian), the extent, condition, and regular maintenance of the transport infrastructure, public transit hubs and networks, and transshipment nodes. Other attribution of interest includes cost, schedule, and reliability of public transit services.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													

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UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L03_010	Water and Sanitation Points of Interest (POI)	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data on the supply of both ground and surface water and in uses in agricultural, industrial, household, recreational and environmental activities. Relevant attribution relates to its acquisition/sourcing (i.e., seasonality, quality, and ownership), its distribution (means of control, diversions, network reliability) and its accessibility based upon proximity and affordability.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L04	Human Geography - Events																
L04_001	Disaster Events	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data that describe events that cause serious disruptions to the functioning of a community that exceed its capacity to cope using its own resources, particularly with conditions of exposure, vulnerability, and capacity, leading to one or more of the following: human, material, economic and environmental losses and impacts. Disasters can be due to natural hazards that are Geophysical (earthquakes, landslides, and volcanic activity); Hydrological (floods and avalanches); Climatological (droughts and wildfires); Meteorological: (cyclones and storms), or Biological (disease epidemics and insect/animal plagues). They can also be due to man-made and technological hazards including complex emergencies, conflicts, industrial accidents, transport accidents, environmental degradation, and pollution.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L04_002	Humanitarian Events	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Similar to Disaster Events data, spatially-enabled data that describe singular events or a series of events that are threatening in terms of health, safety, security, or well-being of a community or large group of people. It may be an internal or external conflict and usually occurs throughout a large land area. Impacted populations require assistance from external sources, which could include neighboring jurisdictions, or those at the national, or international levels.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography													
L04_003	Protests and Demonstrations	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
				Product Description: Spatially-enabled data that describes a type of location-specific action or action(s) involving collective statements or protests, a call to collective action, or other visible expression of a collectively held belief; may be a planned counter action or a reaction to a concurrent or previous event.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST													
				Data Hosting Location: NIPRNET: https://portal.geo.nga.mil/portal/home, https://intellipedia.intelink.gov/wiki/Human_Geography SIPRNET: https://portal.geo.nga.smil.mil/portal/home, https://intellipedia.intelink.sgov.gov/wiki/Human_Geography JWICS: https://geo.cloud.ic.gov/portal/home/index.html, https://intellipedia.intelink.ic.gov/wiki/Human_Geography.													

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L04_004	Violent Events	(U)	SFG	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	Tab Delimited, Excel, XML, HTML Previews, SHP, GDB	Data, Product							Network dependent on classification of request
Product Description: Spatially-enabled data that describe a type of location-specific interactive event involving physical assault that targets individuals or groups of people (with the intent to kill, injure, or capture), features, or functions/activities; may be planned or spontaneous. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, VARIES PER REQUEST Data Hosting Location: NIPRNET: <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> , <a href="https://intellipedia.intelink.gov/wiki/Human_Geography">https://intellipedia.intelink.gov/wiki/Human_Geography</a> SIPRNET: <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> , <a href="https://intellipedia.intelink.sgov.gov/wiki/Human_Geography">https://intellipedia.intelink.sgov.gov/wiki/Human_Geography</a> JWICS: <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a> , <a href="https://intellipedia.intelink.ic.gov/wiki/Human_Geography">https://intellipedia.intelink.ic.gov/wiki/Human_Geography</a>																	
L05	Online Services																
L05_001	Cartographic Web Services (CWS)	(U)	SFG	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	PDF, SVG, Esri Finishing Packages, GeoTIFF, SHP	Service							Automated Map Generation Service. Data source can reference NOME or Topographic Vector Data.
Product Description: Web-based application that rapidly generates large volumes of NGA maps and charts using NGA authoritative data. Expected Releasability: UNCLASSIFIED Data Hosting Location: SIPRNET: <a href="https://cws.geoint.nga.smil.mil/CWSFrontEnd">https://cws.geoint.nga.smil.mil/CWSFrontEnd</a> , JWICS: <a href="https://cws.geoint.nga.ic.gov/CWSFrontEnd">https://cws.geoint.nga.ic.gov/CWSFrontEnd</a>																	
L05_002	NSG Open Mapping Enclave (NOME)	(U)	SFG	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	Tools, Vector Data	Service	1,2,3	1,2,3	1,2,3	OSM, MGCP, TDS, GGDM			NOME supports open source collection of Vector Data, which can be export in several vector formats.
Product Description: NSG Open Mapping Enclave (NOME) is an initiative by NGA to implement Volunteer Geographic Information (VG) concepts and tools to produce and provision Foundation GEOINT content within the DoD, IC, NSG, NGA's Foreign Partners, and NGA's other mission partners. Expected Releasability: UNCLASSIFIED Data Hosting Location: <a href="https://nome.vgihub.geointservices.io/">https://nome.vgihub.geointservices.io/</a>																	
L05_003	Vector Tiles	(U)	SFG	FY22		Functional	Online	NIPR, SIPR, JWICS	Map Package	Service				TBD			Initial availability October 2021 of NGA Streets Basemap.
Product Description: TBD Expected Releasability: UNCLASSIFIED Data Hosting Location: TBD																	
L05_004	WWHGD Geospatial Platform	(U)	SFG	Present		Functional	Online	WWW, NIPR	GDB, WMS	Service	1,2,3						Uses Geoplatform.gov to provide tools and apps for Human Geography data discovery
Product Description: Find openly available Human Geography resources cataloged by the WWHGD Working Group with this interactive application. Expected Releasability: UNCLASSIFIED Data Hosting Location: <a href="https://www.wwhgd.org/data">https://www.wwhgd.org/data</a>																	
L06	Political Geography																
L06_001	Boundaries (International/ADM1/ADM2/Maritime)	(U)	SFG	Present		Functional	Online	NIPR, SIPR, JWICS	SHP, GDB, WMS	Data	1,2,3	1,2,3	1,2,3	Boundary Technical Working Group Standards, NAS			Boundaries information is available for download from the FGMOD Boundaries Data Download App on IC GIS Portal.
Product Description: NGA's official repository of international, internal administrative (ADM1-2), and claimed maritime limits and boundaries. Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO Data Hosting Location: NIPRNET: <a href="https://vcps.nga.mil/portal1/apps/sites/#/nga-digital-boundaries">https://vcps.nga.mil/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://vcps.nga.mil/apps/DigitalBoundaries/">https://vcps.nga.mil/apps/DigitalBoundaries/</a> , <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> SIPRNET: <a href="https://fgmod.nga.smil.mil/portal1/apps/sites/#/nga-digital-boundaries">https://fgmod.nga.smil.mil/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://fgmod.nga.smil.mil/apps/DigitalBoundaries">https://fgmod.nga.smil.mil/apps/DigitalBoundaries</a> , <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> JWICS: <a href="https://fgmod.nga.ic.gov/portal1/apps/sites/#/nga-digital-boundaries">https://fgmod.nga.ic.gov/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://fgmod.nga.ic.gov/apps/DigitalBoundaries">https://fgmod.nga.ic.gov/apps/DigitalBoundaries</a> , <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a>																	

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L06_002	Boundaries/Delineations (ADM3 and lower)	(U)	SFG	Present		Geographic	Online	NIPR, SIPR, JWICS	SHP, GDB, WMS	Data	1,2,3	1,2,3	1,2,3	Boundary Technical Working Group Standards, NAS			Boundaries information is available for download from the FGMOD Boundaries Data Download App on IC GIS Portal. Larger scale boundaries are handled as geographic due to level of effort
Product Description: NGA's official repository of internal administrative boundaries at the ADM3 level or lower.																	
Expected Releasability: UNCLASSIFIED//FOUO																	
Data Hosting Location: NIPRNET: <a href="https://vcps.nga.mil/portal1/apps/sites/#/nga-digital-boundaries">https://vcps.nga.mil/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://vcps.nga.mil/apps/DigitalBoundaries/">https://vcps.nga.mil/apps/DigitalBoundaries/</a> , <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> SIPRNET: <a href="https://fgmod.nga.smil.mil/portal1/apps/sites/#/nga-digital-boundaries">https://fgmod.nga.smil.mil/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://fgmod.nga.smil.mil/apps/DigitalBoundaries">https://fgmod.nga.smil.mil/apps/DigitalBoundaries</a> , <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> JWICS: <a href="https://fgmod.nga.ic.gov/portal1/apps/sites/#/nga-digital-boundaries">https://fgmod.nga.ic.gov/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://fgmod.nga.ic.gov/apps/DigitalBoundaries">https://fgmod.nga.ic.gov/apps/DigitalBoundaries</a> , <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a>																	
L06_003	Digital International Boundaries (DIB)	(U)	SFG	Present	FY23	Functional	Online	NIPR, SIPR, JWICS	SHP, GDB	Data	1,2,3	1,2,3	1,2,3	Boundary Technical Working Group Standards, NAS	9/30/2022	FGMOD Boundaries Data Download App & Services	Digital Boundaries (DIB) Portal; will transition to FGMOD Boundaries Data Download App & Services on IC GIS Portal; phase out after FY21. #5
Product Description: Transition to FGMOD Boundaries Data Download App & Services.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: See L03_001, L03_002, L03_004																	
L06_004	Dynamic World Coastline (DWC)	(U)	SFG	Present		Functional	Online	NIPR, SIPR, JWICS	SHP, GDB, WMS	Data, Service	1,2,3	1,2,3	1,2,3	PSG			DWC will replace World Vector Shoreline (WVS) once accepted by primary customer.
Product Description: High resolution global shoreline dataset collected at 1:50,000 or better.																	
Expected Releasability: UNCLASSIFIED//FOUO																	
Data Hosting Location: NIPRNET: <a href="https://vcps.nga.mil/portal1/apps/sites/#/nga-digital-boundaries">https://vcps.nga.mil/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://vcps.nga.mil/apps/DigitalBoundaries/">https://vcps.nga.mil/apps/DigitalBoundaries/</a> , <a href="https://portal.geo.nga.mil/portal/home">https://portal.geo.nga.mil/portal/home</a> SIPRNET: <a href="https://fgmod.nga.smil.mil/portal1/apps/sites/#/nga-digital-boundaries">https://fgmod.nga.smil.mil/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://fgmod.nga.smil.mil/apps/DigitalBoundaries">https://fgmod.nga.smil.mil/apps/DigitalBoundaries</a> , <a href="https://portal.geo.nga.smil.mil/portal/home">https://portal.geo.nga.smil.mil/portal/home</a> JWICS: <a href="https://fgmod.nga.ic.gov/portal1/apps/sites/#/nga-digital-boundaries">https://fgmod.nga.ic.gov/portal1/apps/sites/#/nga-digital-boundaries</a> , <a href="https://fgmod.nga.ic.gov/apps/DigitalBoundaries">https://fgmod.nga.ic.gov/apps/DigitalBoundaries</a> , <a href="https://geo.cloud.ic.gov/portal/home/index.html">https://geo.cloud.ic.gov/portal/home/index.html</a>																	
L06_005	Geographic Names Database (GNDB)	(U)	SFG	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	CSV, MDB, SHP, Tab Delimited, XML, KML	Data, Service	1,2,3	1,2,3	1,2,3	U.S. Board on Geographic Names (BGN) NAS			The GNDB content is accessible to users via the Geographic Names Server (GNS); FG Mod effort for GeoNames reached IOC in July 2022.
Product Description: The GNDB is the official repository of standard spellings of all foreign geographic names, sanctioned by the United States Board on Geographic Names (US BGN).																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: WWW: <a href="https://geonames.nga.mil/geonames/GNSHome/">https://geonames.nga.mil/geonames/GNSHome/</a> , NIPRNET: <a href="https://vcps.nga.mil/geonames/GNSHome/">https://vcps.nga.mil/geonames/GNSHome/</a> , SIPRNET: <a href="https://fgmod.nga.smil.mil/geonames/GNSHome/">https://fgmod.nga.smil.mil/geonames/GNSHome/</a> , JWICS: <a href="https://fgmod.nga.ic.gov/geonames/GNSHome/">https://fgmod.nga.ic.gov/geonames/GNSHome/</a>																	
L07	Topography																
L07_001	Commander's Area of Responsibility (AOR)	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF, PDF	Product	1,2,3	1,2,3	1,2,3				
Product Description: Small-scale scale map depicting Combatant Command Area of Responsibility from the Unified Command Plan.																	
Expected Releasability: UNCLASSIFIED//FOUO																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L07_002	Evasion Chart (EVC)	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,3	1,3	1,3				
Product Description: Specialized chart designed to assist isolated personnel to evade capture and survive in hostile territory. Printed on waterproof material.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L07_003	Global Navigation and Planning Chart (GNC) 1:5M	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, GeoPDF, Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	NGA.SIG.0042_1.0_JNCGNC			
				Product Description: Small-scale (1:5M) chart depicting aeronautical features for planning.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_004	Image City Map (ICM)/Digital Image City Map (DICM)	(U)	SFG	Present		Geographic	DLA, Map of the World Online	NIPR, SIPR, JWICS	GDB, GeoPDF, Hardcopy, Raster, SHP, Vector Data	Product	1,3	1,2,3	1,2,3	ICM 6.0 GUIDANCE			Includes Guide to Numbered Features (GNF)
				Product Description: Image-based map of a city for close-in navigation, planning and urban area operations.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_005	Jet Navigation Chart (JNC) 1:2M	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, GeoPDF, Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	NGA.SIG.0042_1.0_JNCGNC			
				Product Description: Small-scale (1:2M) chart depicting aeronautical features for planning.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_006	Joint Operations Graphic - Air (JOGA) 1:250K	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, GeoPDF, Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	NGATND.0071-1_1.0_DPSJOG_2018			
				Product Description: 1:250K chart for air/ground integration. Used in planning and moving map displays, primarily by rotary wing aircraft.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_007	Lines of Communication (LOC) Data	(U)	SFG	Present		Geographic	Email	SIPR, JWICS	GDB	Data		1,3	1,3	STRATCOM DGCP PSG			STRATCOM Mission specific
				Product Description: TBD													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: JWICS: <a href="https://www.geo.nga.ic.gov/maps/rest/services/TGD">https://www.geo.nga.ic.gov/maps/rest/services/TGD</a> , ftp://ftp.geo.nga.ic.gov/vector/Military/STRATCOM													
L07_008	MGCP Urban Vector Data (MUVd)	(U)	SFG	FY23	N/A	Geographic	Online	NIPR, SIPR, JWICS	GDB, SHP	Data	1,3	1,3	1,3	U-TRD			
				Product Description: 1:5K urban feature vector data for natural and manmade features. Used for mapping, analysis, and visualization.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L07_009	Multinational Geospatial Co-production Program (MGCP) Topographic Map (MTM) 1:50K	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, GeoPDF, Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	MTM_DPS_v1.2 2021-03-01			
				Product Description: Topographic map for land navigation. Produced using Multinational Sourced data, multi-national specification.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_010	Multinational Geospatial Co-production Program (MGCP) Topographic Map (MTM) 1:100K	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, Hardcopy, GeoPDF, PDF	Product	1,2,3	1,2,3	1,2,3	MTM_DPS_v1.2 2021-03-01			
				Product Description: Topographic map for land navigation. Produced using Multinational Sourced data, multi-national specification.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_011	Operational Navigation Chart (ONC) 1:1M	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, GeoPDF, Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	MIL-O-89102			
				Product Description: Small-scale (1:1M) chart depicting aeronautical features. Used in planning and for moving map displays													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_012	Tactical Pilotage Chart (TPC) 1:500K	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF, PDF	Product	1	1	1	MIL-T-89101			
				Product Description: Small-scale (1:500K) chart depicting aeronautical features. Used in planning and for moving map displays.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_013	Topographic Map (TM) 1:50K	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, GeoPDF, Hardcopy, PDF	Product	1,2,3	1,2,3	1,2,3	NGA.STND.0035-1_1_2_DPSTM (2021-07-31)			
				Product Description: Topographic map for land navigation. US specification.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L07_014	Topographic Map (TM) 1:100K	(U)	SFG	Present		Geographic	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF, PDF	Product	1,2,3	1,2,3	1,2,3	NGA.STND.0035-1_1_2_DPSTM (2021-07-31)			
				Product Description: Topographic map for land navigation. US specification.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L07_015	Topographic Vector Data	(U)	SFG	Present		Geographic	Online	NIPR, SIPR, JWICS	GDB, SHP	Data	1,3	1,3	1,3	TRD, U-TRD, TDS			Topographic vector data may be Topographic Data Store (TDS), Multinational Geospatial Co-Production Program (MGCP) data.
Product Description: Vector feature data for natural and man-made features. Used for mapping, analysis and visualization. Expected Releasability: UNCLASSIFIED Data Hosting Location: NIPRNET: <a href="https://vcps.nga.mil/apps/topo/DataExport/">https://vcps.nga.mil/apps/topo/DataExport/</a> , SIPRNET: <a href="https://fgmod.nga.smil.mil/apps/topo/DataExport">https://fgmod.nga.smil.mil/apps/topo/DataExport</a> , JWICS: <a href="https://fgmod.nga.ic.gov/apps/topo/DataExport">https://fgmod.nga.ic.gov/apps/topo/DataExport</a>																	
L08	External Produced, Hosted by NGA																
L08_001	CONUS Military Installation Maps (MIM) 1:25K & 1:50K scale	(U)	SFG	Present		Functional	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, PDF	Product	1,3	1,2,3	1,2,3				
Product Description: A U.S. Military Installation chart is a mosaic of one or more standard series 1:50,000 Topographic Line Maps which are overprinted with small arms and artillery impact areas, training areas, and range facilities information. Expected Releasability: UNCLASSIFIED Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L08_002	Native Data	(U)	SFG	Present		Functional	Email	NIPR, SIPR, JWICS	GDB, PDF	Product				National/NATO Standards			
Product Description: This is non USG standard data acquired from bi-lateral international exchanges. Expected Releasability: UNCLASSIFIED Data Hosting Location: TBD																	
L08_003	Native Maps	(U)	SFG	Present		Functional	Online	NIPR, SIPR, JWICS	CADRG, ECRG, PDF	Product	1,2,3	1,2,3	1,2,3	National/NATO Standards			Includes Low-Flying Chart (LFC) and Visual Navigation Chart (VNC)
Product Description: These maps are produced to the international partner's own map standards (i.e. national standard) and fall over the partner's own sovereign territory. Expected Releasability: UNCLASSIFIED Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L08_004	Reference graphic (Planning and Reference Map)	(U)	SFG	Present		Functional		N/A	CADRG, ECRG, Hardcopy, GeoPDF, PDF								
Product Description: This may include planning maps, border graphics, regional maps, transportation maps, special-custom graphics, tracking charts, AOR charts, Potential Dispersion (Plume) graphics, etc. Expected Releasability: UNCLASSIFIED Data Hosting Location: <a href="https://www.geo.nga.mil/products/prm/index_prm.php">https://www.geo.nga.mil/products/prm/index_prm.php</a>																	
L08_005	Training Range Charts	(U)	Training Range Customer	Present		Geographic	Online, Email	NIPR, SIPR, JWICS	CADRG, GDB, GeoPDF	Product				Varies by project			Produced by cartographic production elements such as DGCP. Managed by NGA/SFG. See your GI&S Officer regarding requirements.
Product Description: Specialized data for training range customers. Expected Releasability: UNCLASSIFIED Data Hosting Location: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a> , <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a>																	

Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L09	Legacy																
L09_001	City Graphics 1:12.5K, 1:10K	(U)	SFG	Legacy		Legacy	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF	Product	1,3	1,3	1,2,3				Latest product update in 2015.
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L09_002	Country Atlas	(U)	SFG	Legacy		Legacy		JWICS	N/A	Product			1,3				
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L09_003	Foundation Feature Data (FFD)	(U)	SFG	Legacy		Legacy	Online	NIPR, SIPR, JWICS	VPF	Data		1,3	1,3	FFD Product Spec/FACC	1/1/2021	TDS/MUVD	Legacy product, available online but not updated.
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: TBD																	
L09_004	Geospatial Intelligence Feature Database (GIFD)	(U)	SFG	Legacy		Legacy	Online	SIPR, JWICS	SHP, GDB	Data				FACC	1/1/2021	TDS/MGCP	Legacy product, GIFD is only downloadable via the TFDM exporter.
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: TBD																	
L09_005	Topographic Line Map (TLM) 1:25K	(U)	SFG	Legacy		Legacy	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF, PDF	Product	1,3	1,3	1,3				NGA produced 1:25k are legacy. Republic of Korea produces 1:25k topographic maps, with current production available.
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L09_006	Topographic Line Map (TLM) 1:50K	(U)	SFG	Legacy		Legacy	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF, PDF	Product	1,2,3	1,2,3	1,2,3	MIL-T-89301A	1/1/2022		The Topographic Map (TM) is the standard in the DISR and replaced TLM in 2018. TM standard is mandated.
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	
L09_007	Topographic Line Map (TLM) 1:100K	(U)	SFG	Legacy		Legacy	DLA, Online	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, GeoPDF, PDF	Product	1,2,3	1,2,3	1,2,3	MIL-T-89306	1/1/2021		The Topographic Map (TM) is the standard in the DISR and replaced TLM in 2018. TM standard is mandated.
Product Description: TBD																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>																	



Land																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
L09_008	Urban Atlas	(U)	SFG	Legacy		Legacy		JWICS	N/A				1,3				
				Product Description: TBD													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.geointel.nga.mil/products/print_on_demand/index.php">https://www.geointel.nga.mil/products/print_on_demand/index.php</a> , SIPRNET: <a href="https://geoint.nga.smil.mil/products/print_on_demand/index.php">https://geoint.nga.smil.mil/products/print_on_demand/index.php</a> , JWICS: <a href="https://geoint.nga.ic.gov/products/print_on_demand/index.php">https://geoint.nga.ic.gov/products/print_on_demand/index.php</a>													
L09_009	Urban Feature Data (UFD Lv1, UFD Lv2 & UFD Lv3)	(U)	SFG	Legacy		Legacy	Online	NIPR, SIPR, JWICS	SHP, GDB	Data		1,3	1,3	FACC	1/1/2021	TDS/MUVD	Legacy product, available for use but not updated.
				Product Description: TBD													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: TBD													
L09_010	VMap products (VMap0, VMap1, VMap2 & UVMMap)	(U)	SFG	Legacy		Legacy	Online	NIPR, SIPR, JWICS	VPF	Product	1,3	1,3	1,3	VMap Product Spec/FACC	1/1/2021	TDS/MGCP	Legacy product, available for use but not updated.
				Product Description: TBD													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://map.nga.mil">https://map.nga.mil</a> . SIPRNET: <a href="https://map.nga.smil.mil">https://map.nga.smil.mil</a> , JWICS: <a href="https://map.nga.ic.gov">https://map.nga.ic.gov</a>													
L09_011	World Vector Shoreline Plus (WVS+)	(U)	SFG	Legacy		Legacy	DLA, Online	NIPR, SIPR, JWICS	VPF	Product	1,2,3	1,2,3	1,2,3				Will be sunset when DWC is accpeted by primary customers. #1
				Product Description: TBD													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: TBD													

**Comment Column Codes**

- 1: NSGD 1501 pending
- 2: NSGD 1501 in process
- 3: Sunset message pending
- 4: Sunset message sent; within 365-day period before termination
- 5: NSGD 1501 does not apply

Items highlighted in yellow are scheduled for change, modification or sunset within the next 2 years.

Items highlighted in green indicate a change from the previous year.

Availability columns highlighted in grey indicate Legacy status: no longer updated, with remaining holdings available.

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## **Sea**

### **Maritime Safety Office (SFH)**

#### **NGA – Sea Domain**

#### **(U) Overview**

(U) The Maritime Safety Office provides global Maritime GEOINT to support national security objectives through safety of navigation, international obligations, intelligence activities, and joint military operations. SFH serves as the organization responsible for all NGA hydrographic activities. SFH acquires, analyzes, compiles, and disseminates maritime safety information to meet NGA's worldwide safety of navigation obligations under U.S. Code Titles 10 and 44; Federal and International laws and regulations such as the UN Safety of Life at Sea Convention and IMO Assembly Resolution A.706; and DoD and NGA instructions. SFH meets these obligations by populating and updating hydrographic and bathymetric databases to support the compilation and maintenance of a wide variety of standard nautical, digital and mission specific products, datasets, and services. Primary functions and operational responsibilities of the Maritime Safety Office are:

- (U) Prepare, compile, publish, distribute, and maintain all NGA-related Maritime GEOINT databases, products, and services as mandated by U.S. law, international agreements, and DoD instructions.
- (U) Serve as the central source for authoritative worldwide maritime geospatial information, products, and maritime safety warnings to ensure data integrity and coordination of updates; provide comprehensive data quality review using the best available source data; and assure data accuracy and reliability of content in order to support global naval operations and safety of life at sea.
- (U) Coordinate and collaborate with other national and international mission partners in the collection, exchange, and compilation of hydrographic and bathymetric data.
- (U) Manage all Maritime GEOINT production programs, allocate assigned resources to prioritized mission areas, and directly support all associated Service and CCMD requirements for current, new, or emerging products, databases, and services.
- (U) Staff the 24/7 World-Wide Navigational Warning Service (WWNWS) Broadcast Watch Desk and promulgate time-sensitive maritime safety information broadcast warnings via satellite to all military and civilian mariners operating in NAVAREAs IV and XII; and to the U.S. military via secure communications in all regions of the world via HYDROLANT, HYDROPAC, and HYDROARC message categories.

**(U) Data and Product Listing, Timelines and Details**

Refer to Table

**(U) POC Information**

NIPRNET E-MAIL: [navsafety@nga.mil](mailto:navsafety@nga.mil)

SIPRNET E-MAIL: [maritimesafety@nga.smil.mil](mailto:maritimesafety@nga.smil.mil)

JWICS E-MAIL: [maritimesafety@coe.ic.gov](mailto:maritimesafety@coe.ic.gov)

Toll Free: 800-362-6289

Comm: 571-557-5455

DSN: 547-5455

**(U) Websites**

WWW: <https://msi.nga.mil>

SIPRNET: <https://msi.nga.smil.mil>

JWICS: <https://msi.nga.ic.gov>

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE01	Digital Data																
SE01_001	Additional Military Layers (AML)	(U)	SFH	Present		Geographic	DVD, Online	NIPR, SIPR, JWICS	S-57	Product				S-57			Customers need to define which AMLs are required
Product Description: TOD0 and TOD4 equivalents for use with ENC.																	
Expected Releasability: UNCLASSIFIED//LIMDIS																	
Data Hosting Location: In Development																	
SE01_002	The American Practical Navigator (Bowditch) (Pub 9)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
Product Description: This publication describes in detail the principles and factors of navigation, including piloting, electronic navigation, celestial navigation, mathematics, safety, oceanography and meteorology. It also contains various tables used in typical navigational calculations and includes the formulas used to derive the tabular data.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: <a href="https://msi.nga.mil/">https://msi.nga.mil/</a>																	
SE01_003	Digital Nautical Chart (DNC)	(U)	SFH	Present		Geographic	DVD, Online	WWW, NIPR, SIPR, JWICS	VPF	Product				MIL-PRF-89023	3/1/2026	ENC	ENC portfolio is being built out and will be complete by the end of FY24. ENC will replace DNC as users have installed ECDIS that are authorized to use ENC.
Product Description: DNCs provide worldwide databases of nautical information in vector product format. Each DNC covers a specific geographic area of the world and consists of data partitioned into harbor, approach, coastal and general libraries based on the scale of the source.																	
Expected Releasability: UNCLASSIFIED//LIMDIS																	
Data Hosting Location: <a href="https://dnc.geo.nga.mil/dncp/home.php">https://dnc.geo.nga.mil/dncp/home.php</a>																	
SE01_004	Distances Between Ports (Pub 151)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
Product Description: This publication contains tabulated distances between departure ports, junction points, and arrival ports worldwide. The distance values normally represent the shortest navigable routes, but in certain cases, longer routes which take advantage of currents, avoid ice or other dangers to navigation, or follow required traffic separation schemes are used.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: <a href="https://msi.nga.mil/">https://msi.nga.mil/</a>																	
SE01_005	Edge Synch Services (ESYNC)	(U)	SFH	Present		Functional	Online	NIPR, SIPR	VPF	Service							NIPR available now, with SIPR having ATO at the end of CY21.
Product Description: This service will allow customers to update all Maritime Products while providing security and keeping the update small.																	
Expected Releasability: SECRET//NOFORN																	
Data Hosting Location: <a href="https://edgesync.distancesupport.navy.mil/edgesync/EsyncClient.html">https://edgesync.distancesupport.navy.mil/edgesync/EsyncClient.html</a>																	
SE01_006	Electronic Navigational Charts (ENC)	(U)	SFH	Present		Geographic	Online, DVD	WWW, NIPR, SIPR, JWICS	S-57	Product				S-57			Public ENC hosted on NOAA website, Global suite hosted on NGA networks as it is built out.
Product Description: ENCs provide worldwide databases of nautical information in S-57 format. S-57 is the international standard. Each ENC covers a specific geographic area of the world.																	
Expected Releasability: UNCLASSIFIED//LIMDIS																	
Data Hosting Location: <a href="https://maritime.geo.nga.mil/">https://maritime.geo.nga.mil/</a> ; <a href="https://nauticalcharts.noaa.gov/charts/noaa-enc.html">https://nauticalcharts.noaa.gov/charts/noaa-enc.html</a>																	
SE01_007	Fleet Guides	(U)	SFH	Present		Functional	Online, Quarterly DVD	NIPR, SIPR, JWICS	PDF	Product							
Product Description: Fleet guides provide port information unique to the Navy that is not available elsewhere. Port commands contribute to the overall effectiveness by providing information related to the facilities and services available.																	
Expected Releasability: UNCLASSIFIED//LIMDIS																	
Data Hosting Location: <a href="https://msi.nga.mil/Publications/FleetGuides">https://msi.nga.mil/Publications/FleetGuides</a>																	

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE01_008	International Code of Signals (Pub 102)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF								
				Product Description: This publication contains descriptions and graphic depictions of a specific vocabulary of signals and the various methods used to transmit them. The code is intended to cater primarily to situations related to safety of navigation and personnel.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_009	MATT	(U//FOUO)	SFH	Present		Functional	DVD, Online	SIPR	VPF	Product					9/30/2032	SMENC	
				Product Description: Submarine navigation product.													
				Expected Releasability: SECRET//REL TO													
				Data Hosting Location: No Website Available													
SE01_010	NGA Summary of Corrections (Classified) 1 Volume	(U)	SFH	Present		Functional	Online	SIPR, JWICS	PDF	Product							
				Product Description: Contains a summary of all corrections to Charts and Publications that is produced annually.													
				Expected Releasability: SECRET//REL TO													
				Data Hosting Location: https://msi.nga.smil.mil/													
SE01_011	NGA Summary of Corrections (Unclassified) 5 Volumes	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product					9/30/2023		#1, Volume 5 (publications) will no longer be produced. 2024 will be the last year with NtM going away at the end of FY25. #1
				Product Description: Contains a summary of all corrections to Charts and Publications that is produced annually.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_012	Quarterly Publication DVD	(U)	SFH	Present		Functional	Quarterly DVD										
				Product Description: This product provides quarterly updates to nautical publications.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//LIMDIS													
				Data Hosting Location: https://msi.nga.mil/													
SE01_013	Radar Navigation and Maneuvering Board Manual (Pub 1310)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
				Product Description: This publication contains, in a single volume, information on the fundamentals of shipboard radar, radar operation, collision avoidance, radar navigation, and description of vessel traffic systems in US waters.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_014	Radio Navigational Aids (Pub 117)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Data, Product							
				Product Description: This publication contains detailed lists of worldwide stations providing radio and electronic services used in maritime navigation.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_015	Sailing Directions (Enroute)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
				Product Description: Sailing Directions (Enroute) include detailed coastal and port approach information, supplementing the largest scale chart of the area, containing information about the coastal weather, currents, ice, dangers, features and ports, as well as graphic keys to standard nautical charts available for the area.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE01_016	Sailing Directions (Planning Guides)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
				Product Description: Sailing Directions (Planning Guides) include relevant physical, political, industrial, navigational and regulatory information about the countries adjacent to a particular ocean basin in a single volume.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_017	SubMerge Electronic Navigational Charts (SMENC)	(U)	SFH	Present		Geographic	DVD		S-57	Product				S-57			Product that combines data of DNC, TOD and MATT-S.
				Product Description: Product that combines data of DNC, TOD and MATT-S.													
				Expected Releasability: SECRET//NOFORN													
				Data Hosting Location: No Website Available													
SE01_018	Tactical Ocean Data - Level 0 (TOD 0)	(U)	SFH	Present		Geographic	DVD, Online	NIPR, SIPR, JWICS	VPF	Product				MIL-PRF-89049-10A	3/1/2026	AML	Additional Military Layers will replace TOD 0
				Product Description: TOD is an overlay for DNC. TOD0 contains operational areas and ranges.													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: https://www.geo.nga.mil/products/dnc/tod/index0.htm													
SE01_019	Tactical Ocean Data - Level 1 (TOD 1)	(U)	SFH	Present		Geographic	DVD, Online	SIPR, JWICS	VPF	Product				MIL-PRF-89049-11A	9/30/2023	TOD 2	Product merged with TOD2.
				Product Description: TOD is an overlay for DNC. TOD1 is a submarine navigation layer.													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: No Website Available													
SE01_020	Tactical Ocean Data - Level 2 (TOD 2)	(U)	SFH	Present		Geographic	DVD		VPF	Product				MIL-PRF-89049-12A	3/1/2026	SMENC	SMENC will replace TOD 2 in the 2021-2023 timeframe
				Product Description: TOD is an overlay for DNC. TOD2 is a submarine navigation layer. TOD 2 contains TOD 1/2/3.													
				Expected Releasability: SECRET//REL TO													
				Data Hosting Location: No Website Available													
SE01_021	Tactical Ocean Data - Level 4 (TOD 4)	(U)	SFH	Present		Geographic	DVD, Online	SIPR, JWICS	VPF	Product				MIL-PRF-89049-14A	3/1/2026	SMENC/AML	SMENC/AML will replace TOD 4 in the 2021-2023 timeframe
				Product Description: TOD is an overlay for DNC. TOD4 is a submarine navigation layer.													
				Expected Releasability: CONFIDENTIAL//NOFORN													
				Data Hosting Location: No Website Available													
SE01_022	U.S. Notice to Mariners (NTM) (Classified)	(U)	SFH	Present		Functional	Online	SIPR, JWICS	PDF	Data, Product							
				Product Description: Contains corrections to hard copy hydrographic products produced by NGA, the National Ocean Service, and the USCG.													
				Expected Releasability: SECRET//REL TO													
				Data Hosting Location: https://msi.nga.smil.mil/													
SE01_023	U.S. Notice to Mariners (NTM) (Unclassified)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Data, Product					9/30/2023		Certain sections of the Ntm was cancelled FY21
				Product Description: Contains corrections to hard copy hydrographic products produced by NGA, the National Ocean Service, and the USCG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_024	US Chart No 1	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
				Product Description: U.S. Chart No. 1 describes the symbols, abbreviations and terms used on nautical charts. It is produced by NOAA and NGA.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE01_025	Vector Product Format Database Update (VDU)	(U)	SFH	Present		Functional	DVD, Online	WWW, NIPR, SIPR, JWICS	VPF	Product					10/31/2023	ESYNC	Termination subject to navy testing and acceptance of ESYNC and the single DNC Updated Libraries DVD as a suitable Replacement. #1
				Product Description: VDU is a file used to update DNC that is produced every 28 days													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://dnc.geo.nga.mil/dncp/home.php													

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE01_026	World Port Index (Pub 150)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	CSV	Data	1,2,3	1,2,3	1,2,3				Modification to remove the PDF data approved through 1501 process as of Jan 1, 2021. #1
				Product Description: The World Port Index contains the location and physical characteristics of, and the facilities and services offered by major ports and terminals world-wide (approximately 3700 entries), in a tabular format.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE02	Hardcopy Products																
SE02_001	Atlas of Pilot Charts (5 volumes)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product					9/30/2045		
				Product Description: Provides monthly averages of meteorological and oceanographic data to include: weather, wave, ice, and other navigational information necessary to plan and select the quickest and safest route.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE02_002	Certified Printed ENC (CPENC)	(U)	SFH	Present		Geographic	DLA Hardcopy, Online	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1	1	1,3				CPENC will not be a full spec chart, but will be a certified chart for navigation. Formerly Chart on Demand.
				Product Description: This product will produce a certified chart called certified printed ENC (CPENC) as well as give planners a printed ENC call Nautical Planning Map (NPM)													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: In Development													
SE02_003	Chart Correction Template	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy								
				Product Description:													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: No Website Available													
SE02_004	Combat Charts	(U)	SFH	Present	FY23	Geographic	DLA Hardcopy		Hardcopy	Product	1,3	1,3	1,3		9/30/2023	LPC	Termination in 2019 approved by JSAP coordinated with Services and CCMDs. Existing products will be retained as substitute products until replaced by LPC. NSGD 1501 approved sunset msg sent #2
				Product Description: 1:50K scale product for amphibious operations containing both hydro and topo features. Updated with NtM. In progress of replacement with LPC.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE02_005	Great Circle Sailing Chart of North Atlantic (WOAZC17)/Pacific (WOPZP56)	(U)	SFH	Present		Geographic	DLA Hardcopy		Hardcopy, PDF	Product							
				Product Description: Provides great circle distances and azimuths for voyage planning in the North Atlantic or Pacific.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE02_006	Great Circle Tracking Charts	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy	Product							WOXZC5270 and WOXZC5274 required by USCG. All other GCTC have been canceled.
				Product Description: Provides great circle distances and azimuths for voyage planning and tracking.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE02_007	List of Lights (Pubs 110, 111, 112, 113, 114, 115, 116)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Data, Product							
				Product Description: Seven volumes which contain lights and other aids to navigation that are maintained by, or under the authority of, foreign governments.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE02_008	Littoral Planning Charts (LPCs)	(U)	SFH	Present		Geographic	Online, DLA Hardcopy	NIPR, SIPR, JWICS	CADRG, ECRG, Hardcopy, PDF	Product	1,3	1,3	1,3			Littoral Planning Map	Available on PODS/ePODS
				Product Description: 1:50K scale product for amphibious operations containing both hydro and topo features. Updated with NtM.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													



Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE02_009	Maneuvering Board	(U)	SFH	Present		Functional	DLA Hardcopy	WWW, NIPR, SIPR, JWICS	Hardcopy, PDF	Product							
				Product Description:													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: No Website Available													
SE02_010	Operating Area (OPAREA) Charts	(U)	SFH	Present		Geographic	DLA Hardcopy	NIPR, SIPR	CADRG, ECRG, Hardcopy, PDF		1,3	1,3	1,3		9/30/2023	ENC/AML	
				Product Description: Hard copy nautical chart showing Naval Operating areas													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE02_011	Port Maury, Wilkes (Fictitious Chart for Training)	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy	Product							
				Product Description:													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: No Website Available													
SE02_012	Position Plotting Sheet	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy	Product							
				Product Description:													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: No Website Available													
SE02_013	Range Charts	(U)	SFH	Present		Geographic	DLA Hardcopy	NIPR, SIPR	Hardcopy		1,3	1,3	1,3		9/30/2023	ENC/AML	
				Product Description: Hard copy nautical charts showing Naval Operating areas													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE02_014	Sight Reduction Tables for Air Navigation (Pub 249)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
				Product Description: Published in three volumes, Volume I used by both marine and air navigators, containing the altitude and azimuth values of seven selected stars. Volumes II And III are used primarily by air navigators.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE02_015	Sight Reduction Tables for Marine Navigation (Pub 229)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							
				Product Description: Six volumes, each containing tabular data primarily used with the intercept method of sight reduction by entering arguments of latitude, declination, and local hour angle.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE02_016	Standard Nautical Charts (SNC)	(U)	SFH	Present		Geographic	Online, DLA Hardcopy	NIPR, SIPR, JWICS	Hardcopy, PDF	Product	1,3	1,3	1,3	MIL-PRF-89201B	9/30/2023		Will be replaced by Certified Printed ENC (CPENC).
				Product Description: Hardcopy nautical charts showing all features necessary for navigation.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE02_017	Standard Time Zone Chart of World	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy	Product							
				Product Description: Product graphically portrays standard time zones maintained throughout the world.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: No Website Available													
SE02_018	Training Charts	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy	Product							
				Product Description:													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: No Website Available													
SE02_019	World-General Charts	(U)	SFH	Present		Geographic	DLA Hardcopy		Hardcopy, PDF	Product					9/30/2023	CPENC	
				Product Description: Hard copy small-scale nautical charts used for reference, plotting , and planning.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE02_020	World-International Charts	(U)	SFH	Present		Geographic	DLA Hardcopy		Hardcopy, PDF	Product					9/30/2023	CPENC	
				Product Description: Small-scale IHO chart series depicting water depths, aids to navigation, shoreline, littoral topography, and navigationally significant area, zones, routes, and channels.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.geo.nga.mil/products/print_on_demand/index.php													
SE03	Online Services																
SE03_001	Anti-Shipping Activity Message (ASAM) Database	(U)	SFH	Present		Functional	Online	WWW, NIPR, SIPR, JWICS		Data	1,2,3	1,2,3	1,2				
				Product Description: Database containing worldwide information regarding acts of piracy against global shipping.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE03_002	Mobile Offshore Drilling Units (MODU) Database	(U)	SFH	Present		Functional	Online	WWW, NIPR, SIPR, JWICS		Data	1,2,3	1,2,3	1,2,3				
				Product Description: Database containing worldwide information regarding the locations of mobile offshore drilling units for safety of navigation.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE03_003	Nautical Calculators	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS		Data							
				Product Description: Tool used to solve many of the equations and conversions typically associated with marine navigation.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE03_004	WWNWS Broadcast Warnings Database	(U)	SFH	Present		Functional	Online	WWW, NIPR, SIPR, JWICS		Data							
				Product Description: Database containing information regarding promulgated and broadcasted messages.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE03_005	WWNWS Broadcast Warnings (IV, XII, PAC, LANT, ARC, MARAD, SW)	(U)	SFH	Present		Functional	INMARSAT						1				
				Product Description: Coordinated global maritime service for the promulgation and broadcast of information on more immediate hazards to navigation which might endanger safety of navigation.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE04	External Hosted by NGA																
SE04_001	NAVO Digital Bathymetric Database (DBDB-V)	(U)	SFH	Present		Functional	Online	WWW, NIPR, SIPR, JWICS		Data							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: No Website Available													
SE04_002	NOAA Coast Pilots	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW	PDF	Product							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: https://nauticalcharts.noaa.gov/publications/coast-pilot/index.html													
SE04_003	NOAA Tide and Tidal Current Tables	(U)	SFH	Present		Functional	Online, Quarterly DVD	NIPR, SIPR, JWICS	PDF	Product							NOAA no longer produces hardcopy product. NGA will provide NOAA data as a PDF. #5
				Product Description:													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://tidesandcurrents.noaa.gov/													

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE04_004	Potential Submerged Hazards to Navigation (PSHN)	(U)	SFH	Present		Functional	Online	SIPR, JWICS									Product Availability Projection cannot be guaranteed. Produced by SUBFOR. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: No Website Available													
SE04_005	Russia Chart No. 1	(U)	SFH	Present		Functional	Quarterly DVD		PDF	Product							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: No Website Available													
SE04_006	TRANSCOM Commercial Port Facility Data (Geoports)	(U)	SFH	Present		Functional	Online	SIPR, JWICS		Data			3				Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: USTRANSCOM Website													
SE04_007	TRANSCOM Force Protection Port Graphics (FPPG)	(U)	SFH	Present		Functional	Online	SIPR, JWICS		Data							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: USTRANSCOM Website													
SE04_008	UKHO Total Tides	(U)	SFH	Present		Functional	DVD										Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: No Website Available													
SE04_009	USCG Light Lists (7 volumes)	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW, NIPR, SIPR, JWICS	PDF	Product							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description: Contains lights and other aids to navigation that are maintained under the authority of the USCG and located in waters surrounding the United States and its Territories.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://msi.nga.mil/													
SE04_010	USCG Rules of the Road	(U)	SFH	Present		Functional	Online, Quarterly DVD	WWW	PDF	Product							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description: Navigation Rules are regulations which aid mariners in safe navigation.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: https://www.dco.uscg.mil/NavRules													
SE04_011	USNO Air Almanac	(U)	SFH	Present		Functional	DVD			Product							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: https://aa.usno.navy.mil/publications/aira													

Sea																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Line	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SE04_012	USNO Nautical Almanac	(U)	SFH	Present		Functional	DLA Hardcopy		Hardcopy	Product							Product Availability Projection cannot be guaranteed. Not Produced by NGA. #5
				Product Description:													
				Expected Releasability:													
				Data Hosting Location: <a href="https://aa.usno.navy.mil/publications/na">https://aa.usno.navy.mil/publications/na</a>													
<u>Comment Column Codes</u> <ul style="list-style-type: none"><li>1: NSGD 1501 pending</li><li>2: NSGD 1501 in process</li><li>3: Sunset message pending</li><li>4: Sunset message sent; within 365-day period before termination</li><li>5: NSGD 1501 does not apply</li></ul>																	
Items highlighted in yellow are scheduled for change, modification or sunset within the next 2 years.																	
Items highlighted in green indicate a change from the previous year.																	
Availability columns highlighted in grey indicate Legacy status: no longer updated, with remaining holdings available.																	

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**Science**  
**Office of Geomatics (SFN)**  
**NGA – Science Domain**

**(U) Overview**

(U) The Office of Geomatics enables GEOINT by combining science, technology, and tradecraft to measure and model the globe to provide three-dimensional accuracy of every point in, on, or above the Earth and potentially other celestial bodies. The Office of Geomatics' mission areas include:

- (U) **Coordinate Systems** leads datum transformation, coordinate conversion, map projection, geodetic research, and grid system analysis.
- (U) **Earth Sciences** exploits available geophysical data such as hydrology and geohazard potentials to provide innovative applications in support of specialized processing in geosciences.
- (U) **Elevation** provides foundational expertise for the production, validation, and management of terrain elevation content in support of academia, disaster relief, humanitarian aid, international cooperation, scientific research, and national security objectives.
- (U) **GNSS** delivers Global Positioning System (GPS) content, technical support, and analysis to the Intelligence Community (IC), Department of Defense (DoD), and scientific communities to support precise positioning, navigation, and timing, including evaluation of both U.S. and foreign GNSS.
- (U) **Gravity** collects, processes, and evaluates critical geophysical data to provide comprehensive source databases to support predictive modeling, earth science applications, and actionable intelligence and gravity modeling to support high accuracy requirements in inertial navigation systems across the arsenal of US weapon systems.
- (U) **Magnetics** defines the WGS 84 Reference Frame in support of global assured position, navigation, timing, and targeting. Makes essential contributions to the GPS control segment.
- (U) **Precise Imagery** produces precise imagery giving our nation the strength to plan, maneuver, and target global objectives.
- (U) **(Geodetic) Surveys** provides high accuracy geodetic and geophysical ground truth data and analysis to DoD, IC, and other federal agencies to support the operation, maintenance, calibration, and evaluation of weapons, navigation, and collection systems in support of US national security and intelligence objectives.
- (U) **World Geodetic System 1984 (WGS 84)** provides the terrestrial reference frame (TRF), defining WGS 84 best-fit ellipsoid parameters, coordinate transformation formulas and datum shift constants, gravity potential coefficients, geoid model, and a magnetic model. The WGS 84 is a system of multiple interrelated systems including the Earth Gravity Model (EGM), the Reference Frame (REFR), and the World Magnetic Model (WMM).

**(U) Data and Product Listing, Timelines and Details**

Refer to Table.

**(U) POC Information:****(U) Office of Geomatics**

Comm: 314-676-9122

DSN: 846-9122

NIPRNET: [geomatics@nga.mil](mailto:geomatics@nga.mil)SIPRNET: [geomatics@nga.smil.mil](mailto:geomatics@nga.smil.mil)JWICS: [geomatics@nga.ic.gov](mailto:geomatics@nga.ic.gov)**(U) Gravity**

NIPRNET:

[SFN\\_RIM\\_Gravity@nga.mil](mailto:SFN_RIM_Gravity@nga.mil)

JWICS:

[SFN\\_RIM\\_Gravity@nga.ic.gov](mailto:SFN_RIM_Gravity@nga.ic.gov)**(U) Coordinate Systems**

NIPRNET:

[SFN\\_RIM\\_Coordinate\\_Systems@nga.mil](mailto:SFN_RIM_Coordinate_Systems@nga.mil)

JWICS:

[SFN\\_RIM\\_Coordinate\\_Systems@nga.ic.gov](mailto:SFN_RIM_Coordinate_Systems@nga.ic.gov)**(U) Magnetism**

NIPRNET:

[SFN\\_RIM\\_Magnetism@nga.mil](mailto:SFN_RIM_Magnetism@nga.mil)

JWICS:

[SFN\\_RIM\\_Magnetism@nga.ic.gov](mailto:SFN_RIM_Magnetism@nga.ic.gov)**(U) Earth Sciences**

NIPRNET:

[SFN\\_RIM\\_Earth\\_Sciences@nga.mil](mailto:SFN_RIM_Earth_Sciences@nga.mil)

JWICS:

[SFN\\_RIM\\_Earth\\_Sciences@nga.ic.gov](mailto:SFN_RIM_Earth_Sciences@nga.ic.gov)**(U) Precise Imagery**

NIPRNET:

[SFN\\_RIM\\_Precise\\_Imagery@nga.mil](mailto:SFN_RIM_Precise_Imagery@nga.mil)

JWICS:

[SFN\\_RIM\\_Precise\\_Imagery@nga.ic.gov](mailto:SFN_RIM_Precise_Imagery@nga.ic.gov)**(U) Elevation**

NIPRNET:

[SFN\\_RIM\\_Elevation@nga.mil](mailto:SFN_RIM_Elevation@nga.mil)

JWICS:

[SFN\\_RIM\\_Elevation@nga.ic.gov](mailto:SFN_RIM_Elevation@nga.ic.gov)**(U) (Geodetic) Surveys**

NIPRNET:

[SFN\\_RIM\\_Surveys@nga.mil](mailto:SFN_RIM_Surveys@nga.mil)

JWICS:

[SFN\\_RIM\\_Surveys@nga.ic.gov](mailto:SFN_RIM_Surveys@nga.ic.gov)**(U) GNSS**

NIPRNET:

[SFN\\_RIM\\_GNSS@nga.mil](mailto:SFN_RIM_GNSS@nga.mil)

JWICS:

[SFN\\_RIM\\_GNSS@nga.ic.gov](mailto:SFN_RIM_GNSS@nga.ic.gov)**(U) WGS 84**

NIPRNET:

[SFN\\_RIM\\_WGS\\_84@nga.mil](mailto:SFN_RIM_WGS_84@nga.mil)

JWICS:

[SFN\\_RIM\\_WGS\\_84@nga.ic.gov](mailto:SFN_RIM_WGS_84@nga.ic.gov)**(U) Websites:**WWW/NIPRNET: <https://earth-info.nga.mil/GandG/update/index.php>SIPRNET: <http://www.geoint.nga.smil.mil/products/gandg/update/index.php>JWICS: <http://www.geoint.nga.ic.gov/products/gandg/update/index.php>

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC01	Coordinate Systems																
SC01_001	Coordinate Systems Analysis	(U)	SFN	Present		Functional	Email	WWW, NIPR, SIPR, JWICS	DOCX, XML	Data, Product				TBD			Requests for coordinate conversion, datum and projection information.
				Product Description: (U) This is a catchall requirement for any type of coordinate systems analysis work such as coordinate conversion, datum conversion, projection recommendations.													
				Expected Releasability: UNCLASSIFIED; SECRET; TOP SECRET//REL TO USA, FVEY													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php'													
SC01_002	DoD Mensuration Services Program (MSP) GeoTrans	(U)	SFN	Present		Functional	DLA Hardcopy	WWW, NIPR, SIPR, JWICS	EXE	Data, Product, Service				TBD			
				Product Description: (U) Serve as the NGA/NSG authority on datum transformations and coordinate conversions through building applications such as GEOTRANS and understanding the mathematics of the transformations.													
				Expected Releasability: UNCLASSIFIED; SECRET; TOP SECRET//REL TO USA, FVEY													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php'													
SC01_003	Geodetic Packages For Map and Chart Production (GeoPak)	(U)	SFN	Present		Functional	Email	NIPR, JWICS	DOCX, SHP	Data, Product, Service				TBD			
				Product Description: (U) Develop and maintain grids for use within the NSG and ASG as well as serve as the authority on projections and datums. Contains information used as quality control in the production of NGA standard maps and charts. The quality control information includes: grid placement and labeling, neatline measurements, magnetic information based on the current World Magnetic Model (WMM), Military Grid Reference System (MGRS) placement and labels, map inset information.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php'													
SC01_004	Geodetic Research	(U)	SFN	Present		Functional	Email	WWW, NIPR, SIPR, JWICS	DOCX, XML	Data, Product				TBD			Ad Hoc requests for Geodetic Research such as Unknown Projections, Unknown Datum, Unknown Coordinate System.
				Product Description: (U) Solving problems across the IC and NSG related to missing datum, projection, or coordinate information compiled from older maps and charts, or products of an unknown origin.													
				Expected Releasability: UNCLASSIFIED; SECRET; TOP SECRET//REL TO USA, FVEY													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php'													
SC02	Earth Sciences																
SC02_001	GeoHazards, Indications, and Potentials (GeoHIP) - Avalanche Hazard Potential Modeling	(U)	SFN	Present		Geographic	On-Demand, Online	NIPR, SIPR, JWICS	GeoTIFF, PDF, PNG	Product, Service				Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.
				Product Description: (U) GeoHIP Avalanche Potential Models are data layers representing the modeled potential and indicators for increased potential for avalanche occurrence based on static and dynamic Foundation GEOINT input data layers. Models are provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: SIPRNET: https://geohip.nga.smil.mil													



Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC02_002	GeoHazards, Indications, and Potentials (GeoHIP) - Global Hydrologic Modeling	(U)	SFN	FY24		Geographic	On-Demand, Online	NIPR, SIPR, JWICS	GeoTIFF, PDF, PNG	Product, Service				Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.
				Product Description: (U) GeoHIP Global Hydrologic Models are capabilities being developed with external mission partners in the Global Hydro Intelligence working group to represent dynamic hydrology parameters and hazards of interest to the community. Models will be provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>													
SC02_003	GeoHazards, Indications, and Potentials (GeoHIP) - Global Spectral Index Suite	(U)	SFN	FY24		Geographic	On-Demand, Online	SIPR, JWICS	GeoTIFF, PDF, PNG	Product, Service				Custom; TBD			Formerly Vegetation Health Modeling. Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.
				Product Description: (U) GeoHIP's Global Spectral Index Suite is a set of data layers representing a series of spectral indexes from multispectral imagery (MSI) that are useful as inputs and indicators for various geoscientific phenomena, including vegetation health and drought. Models are provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>													
SC02_004	GeoHazards, Indications, and Potentials (GeoHIP) - Lahar Hazard Modeling	(U)	SFN	FY24		Geographic	On-Demand, Online	NIPR, SIPR, JWICS	PDF, SHP	Product, Service				Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.
				Product Description: (U) GeoHIP Lahar Hazard Potential Models are data layers representing the modeled potential and indicators for increased potential for volcanic lahar occurrence based on static and dynamic Foundation GEOINT input data layers. Models are provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>													
SC02_005	GeoHazards, Indications, and Potentials (GeoHIP) - Landslide Hazard Potential Modeling	(U)	SFN	Present		Geographic	On-Demand, Online	NIPR, SIPR, JWICS	GeoTIFF, PNG, PDF	Product, Service			1,2	Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.
				Product Description: (U) GeoHIP Landslide Potential Models are data layers representing the modeled potential and indicators for increased potential for landslide occurrence based on static and dynamic Foundation GEOINT input data layers. Models are provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>													
SC02_006	GeoHazards, Indications, and Potentials (GeoHIP) - Precipitation Anomaly Modeling	(U)	SFN	FY23		Geographic	On-Demand, Online	NIPR, SIPR, JWICS	GeoTIFF, PDF, PNG, SHP	Product, Service				Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.
				Product Description: (U) GeoHIP Precipitation Anomaly Models are data layers representinghydrologic basins at risk for flooding by comparing current and forecasted local precipitation data to the climatic norm for each basin, based on static and dynamic Foundation GEOINT input data layers. Models are provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>													

## Science

Science																																			
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable																								
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments																		
SC02_007	GeoHazards, Indications, and Potentials (GeoHIP) - Seismic Hazard Modeling	(U)	SFN	FY24		Geographic	On-Demand, Online	NIPR, SIPR, JWICS	GeoTIFF, PDF, PNG, SHP	Product, Service				Custom; TBD			Ad Hoc SFN product. Can provide a brokering service for data, tools, or models to address these types of requests. Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.																		
																		Product Description: (U) GeoHIP Seismic Hazard Models are data layers representing dynamic Foundation GEOINT information about seismic events provided by external mission partner services as well as the modeled potential and indicators for increased potential for seismically-induced geohazards based on static and dynamic Foundation GEOINT input data layers. Models will be provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.																	
																		Expected Releasability: UNCLASSIFIED																	
																		Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>																	
SC02_008	GeoHazards, Indications, and Potentials (GeoHIP) - Streamflow Prediction Tool	(U)	SFN	FY24		Functional	Online	NIPR, SIPR, JWICS	GeoTIFF, PDF, PNG, SHP	Product, Service				Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.																		
																		Product Description: (U) GeoHIP Streamflow Prediction Tools are data layers representing streamflow parameters that influence flood potential and point flood warning outputs from a mission partner-developed modeling system based on static and dynamic Foundation GEOINT input data layers. Models will be provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.																	
																		Expected Releasability: UNCLASSIFIED																	
																		Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>																	
SC02_009	GeoHazards, Indications, and Potentials (GeoHIP) - Wildfire Potential Modeling	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF, PDF, PNG	Product, Service			1,2	Custom; TBD			Available through the GeoHazards, Indications, and Potentials (GeoHIP) service. Provides a Suite of dynamic geohazard models with forecast capabilities.																		
																		Product Description: (U) GeoHIP Wildfire Potential Models are data layers representing the modeled potential and indicators for increased potential for wildfire occurrence based on static and dynamic Foundation GEOINT input data layers. Models are provided as part of the GeoHIP software application suite, a web-based self service framework for providing Geomatics geohazard foundation content to the NSG.																	
																		Expected Releasability: UNCLASSIFIED																	
																		Data Hosting Location: SIPRNET: <a href="https://geohip.nga.smil.mil">https://geohip.nga.smil.mil</a>																	
SC02_010	Geology High Definition	(U)	SFN	FY25		Geographic	Online, Custom DVD	SIPR, JWICS	GeoTIFF	Data, Product, Service				TBD			A low resolution global data set is currently available. SFN is working with mission partners to define requirements and priority areas for higher resolution data content development.																		
																		Product Description: (U) Global, high resolution 3D/4D geological and geophysical dataset. This is artificial intelligence-derived data that includes subsurface lithology, surface material, hydrological properties, and otehr physical rock properties.																	
																		Expected Releasability: UNCLASSIFIED																	
																		Data Hosting Location: In Development																	
SC02_011	Hydro-conditioned Digital Elevation Model (HydroDEM)	(U)	SFN	Present		Geographic	Online, Custom DVD	SIPR, JWICS	GeoTIFF, VRT, SHP	Product, Service				TBD			SFN is working with mission partners to define requirements and priority areas for a higher resolution stream routing network and refined basin delineation.																		
																		Product Description: (U) Global TanDEM-X elevation data conditioned for hydrologic applications. Stream network, hydrologic basins, slope, flow direction, flow directions, and other ancillary layers have been derived from the conditioned Digital Elevation Model.																	
																		Expected Releasability: UNCLASSIFIED//LIMDIS																	
																		Data Hosting Location: In Development																	

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC02_012	Mobility Cost Surfaces (MCS)	(U)	SFN	Present		Geographic	Online, FTP	SIPR, JWICS	GeoTIFF	Product			1,2	TBD			Created on a by country basis as requested; Updated as requested.
				(U) The mobility cost surfaces (MCS) are the foundational content to support the Advanced Mobility toolbar and associated derivative mobility products. The MCSs are produced to support foot based, generic vehicle and vehicle specific mobility analysis. Previously known as Cross Country Mobility (CCM).													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: In Development													
SC02_013	Soils High Definition	(U)	SFN	FY25		Geographic	Online, Custom DVD	SIPR, JWICS	GeoTIFF	Data, Product, Service				TBD			Multiple low resolution global data sets are currently available. SFN will be providing a matrix of pros, cons, and common uses for these data sets. SFN is working with mission partners to define requirements and priority areas for higher resolution data content development.
				Product Description: (U) SoilGrids is a system for global digital soil mapping that uses state-of-the-art machine learning methods to map the spatial distribution of soil properties across the globe. The outputs of SoilGrids are global soil property maps at six standard depth intervals at a spatial resolution of 250 meters. Available late 2021.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: In Development													
SC03	Elevation																
SC03_001	Defense Gridded Elevation Data (DGED) Level 0 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service	1,2,3		1,2,3	DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 1 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
				Product Description: (U) NGA's GeoData Cooperative DGED 0 (1000-meter) is produced using a flexible and highly automated production system.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_002	Defense Gridded Elevation Data (DGED) Level 1 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service	1,2,3		1,2,3	DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 1 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
				Product Description: (U) NGA's GeoData Cooperative DGED 1 (100 meter) is produced using a flexible and highly automated production system.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													

## Science

											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC03_003	Defense Gridded Elevation Data (DGED) Level 2 - Bare Earth (DTM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service	1,2,3		1,2,3	DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 2 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
SC03_004	Defense Gridded Elevation Data (DGED) Level 2 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service	1,2,3		1,2,3				Defense Gridded Elevation Data Level 2 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
SC03_005	Defense Gridded Elevation Data (DGED) Level 3 - Bare Earth (DTM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service			1,2,3	DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 3 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
SC03_006	Defense Gridded Elevation Data (DGED) Level 3 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service			1,2,3				Defense Gridded Elevation Data Level 3 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC03_007	Defense Gridded Elevation Data (DGED) Level 4 - Bare Earth (DTM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service				DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 4 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
Product Description: (U) NGA's GeoData Cooperative DGED Level 4 is produced using a flexible and highly automated production system.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/																	
SC03_008	Defense Gridded Elevation Data (DGED) Level 4 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service							Defense Gridded Elevation Data Level 4 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
Product Description: (U) NGA's GeoData Cooperative DGED Level 4 is produced using a flexible and highly automated production system.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/																	
SC03_009	Defense Gridded Elevation Data (DGED) Level 4b - Bare Earth (DTM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service			1,2,3	DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 4b is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
Product Description: (U) NGA's GeoData Cooperative DGED Level 4b (5 meters) is produced using a flexible and highly automated production system.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/																	
SC03_010	Defense Gridded Elevation Data (DGED) Level 4b - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service			1,2,3				Defense Gridded Elevation Data Level 4b is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
Product Description: (U) NGA's GeoData Cooperative DGED Level 4b (5 meters) is produced using a flexible and highly automated production system.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/																	

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC03_011	Defense Gridded Elevation Data (DGED) Level 5 - Bare Earth (DTM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service				DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 5 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
				Product Description: (U) NGA's GeoData Cooperative DGED Level 5 (2 meter) is produced using a flexible and highly automated production system.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_012	Defense Gridded Elevation Data (DGED) Level 5 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service							Defense Gridded Elevation Data Level 5 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
				Product Description: (U) NGA's GeoData Cooperative DGED Level 5 (2 meter) is produced using a flexible and highly automated production system.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_013	Defense Gridded Elevation Data (DGED) Level 6 - Bare Earth (DTM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service				DGIWG 250 - Defence Gridded Elevation Data (DGED) Product Implementation Profile; NGA.SIG.0033_1.0.1_ELEV 2019			Defense Gridded Elevation Data Level 6 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
				Product Description: (U) NGA's GeoData Cooperative DGED Level 6 is produced using a flexible and highly automated production system.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_014	Defense Gridded Elevation Data (DGED) Level 6 - Reflective (DSM)	(U)	SFN	Present		Geographic	Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service							Defense Gridded Elevation Data Level 6 is produced in conformance with the NGA standardization document for Digital Elevation Content: NGA.SIG.0033_1.0.1_ELEV.
				Product Description: (U) NGA's GeoData Cooperative DGED Level 6 is produced using a flexible and highly automated production system.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													

Science																												
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable																	
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments											
SC03_015	Digital Terrain Elevation Data (DTED) Level 0	(U)	SFN	Present		Geographic	DVD, DLA Hardcopy, Online	NIPR, SIPR, JWICS	ASCII	Data, Product, Service		1,2,3	1,2,3	MIL-PRF-89020B			The DTED0 layer will be updated using TanDEM-X 12-meter reflective IFSAR data down-sampled into 1000-meter resolution and .dt0 format. A completed global finished TanDEM-X data set is expected by 2026. Customers will continue to receive product as-is, despite down sampling of TanDEM-X data.											
																	Product Description: (U) DTED is a uniform matrix of terrain elevation values which provides basic quantitative data for systems and applications that require terrain elevation, slope, and/or surface roughness information. DTED Level 0 has a resolution of 30 arc-seconds (approximately 1000 meters).											
																	Expected Releasability: UNCLASSIFIED											
																	Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/											
SC03_016	Digital Terrain Elevation Data (DTED) Level 1	(U)	SFN	Present		Geographic	DVD, DLA Hardcopy, Online	NIPR, SIPR, JWICS	ASCII	Data, Product, Service		1,2,3	1,2,3	MIL-PRF-89020B			The DTED1 layer will be updated using TanDEM-X 12-meter reflective IFSAR data down-sampled into 100-meter resolution and .dt1 format. A completed global finished TanDEM-X data set is expected by 2026. Customers will continue to receive product as-is.  Both reflective surface and bare earth datasets are expected to be available; However, differences between the two surface types are frequently negligible at this resolution.											
																	Product Description: (U) DTED is a uniform matrix of terrain elevation values which provides basic quantitative data for systems and applications that require terrain elevation, slope, and/or surface roughness information. DTED Level 1 has a resolution of 3 arc-seconds (approximately 100 meters).											
																	Expected Releasability: UNCLASSIFIED//LIMDIS											
																	Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/											
SC03_017	Digital Terrain Elevation Data (DTED) Level 2	(U)	SFN	Present		Geographic	DVD, DLA Hardcopy, Online	NIPR, SIPR, JWICS	ASCII	Data, Product, Service		1,2,3	1,2,3	MIL-PRF-89020B			The DTED2 layer will be updated using TanDEM-X 12-meter reflective IFSAR data down-sampled into 30-meter resolution and .dt2 format. A completed global finished TanDEM-X data set is expected by 2026. Customers will continue to receive product as-is.											
																	Product Description: (U) DTED is a uniform matrix of terrain elevation values which provides basic quantitative data for systems and applications that require terrain elevation, slope, and/or surface roughness information. DTED Level 2 has a resolution of 1 arc-second (approximately 30 meters).											
																	Expected Releasability: UNCLASSIFIED//LIMDIS											
																	Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/											

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC03_018	High Resolution Terrain Elevation 3 (HRTE3) - Bare Earth	(U)	SFN	Present		Geographic	DVD, Online, External Hard Drive	SIPR, JWICS	GeoTIFF	Data, Product, Service		1,2,3	1,2,3	HRTE3 Production Guidance Version 1.1.0			Current HRTE formats continue to be produced to meet customer requirements.
				Product Description: (U) Bare Earth, High Resolution Terrain Elevation data at approximately 12-meter post-spacing.													
				Expected Releasability: UNCLASSIFIED//LIMDIS; SECRET//REL TO FVEY; SECRET//NOFORN													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_019	High Resolution Terrain Elevation 4 (HRTE4)	(U)	SFN	Present		Geographic	DVD, Online, External Hard Drive	SIPR, JWICS	GeoTIFF	Data, Product, Service		1,2,3	1,2,3	HRTE4 Production Guidance Version 1.0			Current HRTE formats continue to be produced to meet customer requirements.
				Product Description: (U) High Resolution Terrain Elevation data at approximately 3 meters post spacing.													
				Expected Releasability: SECRET//REL TO USA, FVEY													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_020	TanDEM-X (Level 3) - Reflective	(U)	SFN	Present		Geographic	DVD, Online	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service	1,2,3	1,2,3	1,2,3	TREx DEM Finished Specification; TREx DEM Raw Specification			TanDEM-X reflective-surface IfSAR elevation Level 3 (12 meter) content is being produced by the International TREx Alliance to provide finished global content to NGA customers beginning in FY18. TanDEM-X content is available in three categories -- finished data - TREx DEM Finished (TDF) available as it is completed by the TREx Alliance, interim data - TREx DEM Temporary (TDT) currently available globally where TDF is not yet available until it is superceded by completed TDF, and raw data - TREx DEM Raw (TDR) which is still available for users requiring the raw unedited original version for certain applications.
				Product Description: (U) 12-meter Global elevation dataset produced from IFSAR. Varieties of TanDEM-X include Raw (TDR), Temporary (TDT), and Finished (TDF).													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
SC03_021	TERCOM	(U)	SFN	Present		Functional	Email	SIPR	MAPSET, MINMAX	Product				TBD			
				Product Description: (U) Custom-built Digital Elevation Model at varying resolution based on matrix specifications.													
				Expected Releasability: SECRET//REL TO USA, GBR													
				Data Hosting Location: Specific dissemination requirements.													



## Science

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC04	GNSS																
SC04_001	Earth Orientation Parameter Predictions (EOPP)	(U)	SFN	Present		Functional	FTP, Online	WWW, NIPR, SIPR	ASCII	Product				PSG			Product specified by ICD-GPS-211 NAVSTAR GPS Control Segment/National Geospatial-Intelligence Agency Interfaces.
				Product Description: (U) ASCII file containing parameters for generating Earth Orientation Parameters and predicted values for X axis, Y axis, and UT1-UTC offset values. These values are used for celestial to terrestrial reference frame transformations.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/													
SC04_002	GNSS Collection, Assessment, and Validation (CAV)	(U)	SFN	FY22		Functional	Online, GSWeb, Web Service	NIPR	SP3	Product, Service				Standard Product-3			Future requirements for collection, assessment, and validation of Foreign Global Navigation Satellite Systems (GNSS) are currently in the process of development with DoD/IC Mission Partners.
				Product Description: (U) Performance assessment for foreign GNSS systems.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO													
				Data Hosting Location: GSWeb, TBD													
SC04_003	GPS Alerts and Warnings	(U)	SFN	Present		Geographic	Online	JWICS	XML	Product				PSG			New product available on partner website
				Product Description: (U) GPS situational awareness product. Metrics for monitor station health, GPS satellite health, and broadcast information.													
				Expected Releasability: SECRET//NOFORN													
				Data Hosting Location: Specific dissemination requirements.													
SC04_004	GPS Error Covariance	(U)	SFN	Present		Functional	Email	WWW	ASCII	Product				PSG			Specialized product governed by MOA with customer
				Product Description: (U) Satellite Ephemeris and Clock Data (SECD file). GPS orbit and clock estimates along with the covariances centered around a requested time frame.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: Specific dissemination requirements.													
SC04_005	GPS Monitor Station Data	(U)	SFN	Present		Functional	FTP, Online	WWW, NIPR, SIPR	ASCII	Data				PSG			Product specified by ICD-GPS-211 NAVSTAR GPS Control Segment/National Geospatial-Intelligence Agency Interfaces
				Product Description: (U) GPS satellite broadcast messages and measurements.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: Specific dissemination requirements.													
SC04_006	GPS Precise Ephemeris	(U)	SFN	Present		Functional	Online	WWW, NIPR, SIPR	ASCII	Product				PSG			Product specified by ICD-GPS-211 NAVSTAR GPS Control Segment/National Geospatial-Intelligence Agency Interfaces
				Product Description: (U) A posteriori computation of each GPS satellite's orbit.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/													
SC04_007	GPS Predicted Ephemeris	(U)	SFN	Present		Functional	Online	WWW	ASCII	Product				NGA-STD-00036-1.0.0-WGS84			Product specified by ICD-GPS-211 NAVSTAR GPS Control Segment/National Geospatial-Intelligence Agency Interfaces
				Product Description: (U) 9-day predicted orbits for GPS satellites.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://earth-info.nga.mil/													

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC05	Gravity																
SC05_001	Deflection of the Vertical (DoV) AN/WSN-7	(U)	SFN	Present		Geographic	Custom DVD	SIPR	ASCII	Product				TBD			Annual update.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: SECRET													
				Data Hosting Location: NIPRNET: http://www.dla.mil/													
SC05_002	Deflection of the Vertical (DoV) B-2 Alpha Sets	(U)	SFN	Present		Geographic	Custom DVD	SIPR	Binary	Product				TBD			Annual update; the B-2 DOV moved from 4mm Tape to DVD in CY18.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: SECRET													
				Data Hosting Location: Specific dissemination requirements.													
SC05_003	Deflection of the Vertical (DoV) B-52H	(U)	SFN	Present		Geographic	Custom DVD	SIPR	Binary	Product				TBD			Annual update.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: SECRET													
				Data Hosting Location: NIPRNET: http://www.dla.mil/													
SC05_004	Deflection of the Vertical (DoV) F/A-18	(U)	SFN	Present		Geographic	Custom DVD	SIPR	ASCII	Product				TBD			Annual update.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: UNCLASSIFIED//LIMDIS; SECRET													
				Data Hosting Location: NIPRNET: http://www.dla.mil/													
SC05_005	Deflection of the Vertical (DoV) F-35	(U)	SFN	Present		Geographic	Custom DVD	SIPR	ASCII	Product				TBD			Annual update.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: NIPRNET: http://www.dla.mil/													
SC05_006	Deflection of the Vertical (DoV) IPADS	(U)	SFN	Present		Geographic	Custom DVD	NIPR, SIPR, JWICS	ASCII	Product				TBD			Annual update.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: NIPRNET: http://www.dla.mil/													
SC05_007	Deflection of the Vertical (DoV) LSRS	(U)	SFN	Present		Geographic	Custom DVD	SIPR	ASCII	Product				TBD			Annual update.
				Product Description: (U) Create Deflections of the Vertical products which serve as gravity compensation files to Inertial Navigation Systems. DoVs are distributed by Defense Logistics Agency (DLA).													
				Expected Releasability: SECRET													
				Data Hosting Location: NIPRNET: http://www.dla.mil/													
SC05_008	Digital Bathymetry and Elevation Data (DBED)	(U)	SFN	Present		Geographic	DVD	WWW, NIPR, SIPR, JWICS	ASCII	Data, Product, Service			1,2	MIL-PRF-89020B			Bi-annual update (FY18, FY20....)
				Product Description: (U) DBED has a 15 second resolution and is built using bathymetric measurements combined with depths derived from satellite altimetry gravity data for the water along with blended with Scripps Institute of Oceanography (Sandwell and Smith, University of California- San Diego) depth readings for the water and uses TanDEM-X data scaled down to a DTED 0 resolution for land.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: In Development													

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC05_009	Sentinel Fire Control (FC) Gravity Model	(U)	SFN	FY25		Functional	Custom DVD	SIPR	ASCII, DOCX, Hardcopy-Disc, JPEG, PNG	Product							Bi-annual update (FY25, FY27, FY29...)
				(U) Develop, maintain, and deliver Fire Control gravity products (gravity anomaly, geoid heights, deflection of the vertical) for the Sentinel missile program. Previously known as Ground Based Strategic Deterrent (GBSD).													
				Expected Releasability: SECRET//NOFORN													
				Data Hosting Location: Specific dissemination requirements.													
SC05_010	Trident Fire Control (FC) Gravity Model	(U)	SFN	Present		Geographic	Custom DVD	SIPR	ASCII, Binary, DOCX, JPEG	Product				TBD			Bi-annual update (FY15, FY17, FY19...).
				Product Description: (U) Develop, maintain, and deliver Fire Control gravity products (gravity anomaly and error covariance) for the Trident II Strategic Weapon System.													
				Expected Releasability: SECRET//REL to USA, GBR; SECRET//NOFORN													
				Data Hosting Location: Specific dissemination requirements.													
SC05_011	Trident Navigation (NAV) Gravity Model	(U)	SFN	Present		Geographic	Custom DVD	SIPR	Binary	Product				TBD			Update per Program request.
				Product Description: (U) Develop, maintain, and deliver navigation gravity products (vertical deflection, geoid heights, gravity anomaly) for the Trident II Strategic Weapon System.													
				Expected Releasability: SECRET//REL to USA, GBR; SECRET//NOFORN													
				Data Hosting Location: Specific dissemination requirements.													
SC06	Lunar																
SC06_001	Sentinel Error Covariance (EC) Gravity Model	(U)	SFN	FY26		Geographic	Custom DVD	SIPR	ASCII, Hardcopy Disk	Product				TBD			
				Product Description: (U) Error covariance file that accompanies the Sentinel Fire Control model.													
				Expected Releasability: SECRET//NOFORN													
				Data Hosting Location: Specific dissemination requirements.													
SC06_002	Trident Error Covariance (EC) Gravity Model	(U)	SFN	FY26		Geographic	Custom DVD	SIPR	ASCII, Hardcopy Disk	Product				TBD			
				Product Description: (U) Error covariance file that accompanies the Trident Fire Control model.													
				Expected Releasability: UNCLASSIFIED, SECRET//NOFORN													
				Data Hosting Location: Specific dissemination requirements.													
SC07	Magnetics																
SC07_001	Crustal Magnetic Model (CMM)	(U)	SFN	FY26		Geographic	Online	NIPR, SIPR, JWICS	ASCII	Data, Product	1,2	1,2	1,2	TBD			
				Product Description: (U) Crustal magnetic map for advanced magnetic navigation purposes.													
				Expected Releasability: UNCLASSIFIED; UNCLASSIFIED//LIMDIS; SECRET													
				Data Hosting Location: In Development													
SC08	Precise Imagery																
SC08_001	CI Orthorectified Regional Mosaics	(U)	SFN	Present		Geographic	DVD, External Hard Drive, Map of the World, Online	WWW, NIPR, SIPR, JWICS	MrSID, NITF 2.1	Product, Data	1,2,3	1,2,3	1,2,3	HM021013CN002_0006_G-EGD_CY18&19_SOW			Available via MoW/Globe, OGC web services, and APIs on WWW and NIPR, limited by classification, and fully available on SIPR, JWICS.
				Product Description: (U) Orthomosaic Imagery from commercial sensors. 0.5m resolution and available in pan sharpened (color) or pan chromatic (grayscale).													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://aero.geointel.nga.mil/products/regionortho/index.cfm, SIPRNET: https://geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://wwwin.geoint.nga.ic.gov/products/regionortho/													

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC08_002	Controlled Image Base (CIB) 1.0m	(U)	SFN	Present		Geographic	DVD, Online	NIPR, SIPR, JWICS	RPF	Product, Data, Service	1,2,3	1,2,3	1,2,3	MIL-PRF-89041A			
				Product Description: (U) CIB is a seamless database of digital ortho-mosaic images. CIB 1 has a ground sample distance of 1 meters and is orthorectified using DTED 2.													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: NIPRNET: http://map.nga.mil/, SIPRNET: http://map.nga.smil/, JWICS: http://map.nga.ic.gov/													
SC08_003	Controlled Image Base (CIB) 5.0m	(U)	SFN	Present		Geographic	DVD, GDP website	NIPR, SIPR, JWICS	RPF	Product, Data, Service	1,2,3	1,2,3	1,2,3	MIL-PRF-89041A			
				Product Description: (U) CIB is a seamless database of digital ortho-mosaic images. CIB 5 has a ground sample distance of 5 meters and is orthorectified using DTED 2.													
				Expected Releasability: UNCLASSIFIED//LIMDIS													
				Data Hosting Location: NIPRNET: http://map.nga.mil/, SIPRNET: http://map.nga.smil/, JWICS: http://map.nga.ic.gov/													
SC08_004	Digital Point Positioning Database (DPPDB) - NITF 2.0	(U//FOUO)	SFN	Present		Geographic	DLA Hardcopy, DVD, External Hard Drive, FTP, Online, Web Service	SIPR, JWICS	NITF 2.0	Product, Service		1,3	1,3	MIL-PRF-89034			
				Product Description: (U) Produced by NGA in St. Louis, Missouri, the Digital Point Position Database (DPPDB) is the premiere stereo product for targeting, navigation and extraction. Supporting a multitude of GEOINT initiatives and production, the DPPDB has numerous applications, including precise targeting, feature and terrain , scene visualization, and a a control source for geopositioning other NGA image-based products that require precise accuracy.													
				Expected Releasability: SECRET													
				Data Hosting Location: SECNET: http://dppdb-rest.nga.smil.mil/dppdbrest/ JWICS: http://dppdb-rest.nga.ic.gov/dppdbRestClient/dppdb													
SC08_005	Enhanced Controlled Image Base (ECIB) 0.5m	(U)	SFN	FY22		Geographic	DVD	NIPR, SIPR, JWICS	NITF 2.1	Product, Data, Service	1,2,3	1,2,3	1,2,3	MIL-PRF-32466			Contract process underway for final ECIB prototype and Mil-Spec; Anticipate sending both out for community comment in FY22.
				Product Description: (U) Enhanced CIB is an evolution of CIB providing multispectral imagery similarly controlled to the same standards as CIB. This item has a ground sample distance (GSD) of .5 meters.													
				Expected Releasability: UNCLASSIFIED, SECRET													
				Data Hosting Location: In Development													
SC08_006	Enhanced Controlled Image Base (ECIB) 1.0m	(U)	SFN	FY22		Geographic	DVD	NIPR, SIPR, JWICS	NITF 2.1	Product, Data, Service	1,2,3	1,2,3	1,2,3	MIL-PRF-32466			Contract process underway for final ECIB prototype and Mil-Spec; Anticipate sending both out for community comment in FY22.
				Product Description: (U) Enhanced CIB is an evolution of CIB providing multispectral imagery similarly controlled to the same standards as CIB. This item has a ground sample distance (GSD) of 1 meter.													
				Expected Releasability: UNCLASSIFIED, SECRET													
				Data Hosting Location: In Development													
SC08_007	Enhanced Controlled Image Base (ECIB) 5.0m	(U)	SFN	FY22		Geographic	DVD	NIPR, SIPR, JWICS	NITF 2.1	Product, Data, Service	1,2,3	1,2,3	1,2,3	MIL-PRF-32466			Contract process underway for final ECIB prototype and Mil-Spec; Anticipate sending both out for community comment in FY22.
				Product Description: (U) Enhanced CIB is an evolution of CIB providing multispectral imagery similarly controlled to the same standards as CIB. This item has a ground sample distance (GSD) of 5 meters.													
				Expected Releasability: UNCLASSIFIED, SECRET													
				Data Hosting Location: In Development													

## Science

											Map of the World 1- Discoverable 2- Viewable 3- Downloadable							
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments	
SC08_008	Enhanced Controlled Image Base (ECIB) 10.0m	(U)	SFN	FY22		Geographic	DVD, Online	TBD	NITF 2.1	Product, Data, Service	1,2,3	1,2,3	1,2,3	MIL-PRF-32466			Contract process underway for final ECIB prototype and Mil-Spec; Anticipate sending both out for community comment in FY22.	
				Product Description: (U) Enhanced CIB is an evolution of CIB providing multispectral imagery similarly controlled to the same standards as CIB. This item has a ground sample distance (GSD) of 10 meters.														
				Expected Releasability: UNCLASSIFIED, SECRET														
				Data Hosting Location: In Development														
SC08_009	Up Close and Personal (UCAP)	(U)	SFN	Present		Geographic	DVD, FTP, Web Service	SIPR, JWICS	NITF 2.0	Product, Data, Service		1,3	1,3	MIL-PRF-89034			UCAP and Fortuitous Stereo (Fst UCAP) is a form of DPPDB; There is no standing annual requirement for either product as they are on an ad-hoc basis only.	
				Product Description: (U) This is a DPPDB product that is produced at higher resolution over significantly smaller footprint.														
				Expected Releasability: SECRET, SECRET//NO FORN, SECRET//REL TO FVEY														
				Data Hosting Location: In Development														
SC09	Surveys																	
SC09_001	Airfield Survey (TAGGS)	(U)	SFN	Present		Geographic	DVD-On Demand, Email, Map of the World, Web Service	NIPR, SIPR, JWICS	DOCX, PDF	Data, Product, Service	1,2,3			Custom				
				Product Description: (U) Airfield surveys measure high accuracy WGS 84 latitudes, longitudes, and ellipsoid heights of runway features, navigational aids, obstructions, and other airfield features, as well as high accuracy 3D point clouds on the airfield and obstruction identification surfaces.														
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, UNCLASSIFIED//LIMDIS														
				Data Hosting Location: NIPRNET: https://map.nga.mil, SIPRNET: https://map.nga.smil.mil, JWICS: https://map.nga.ic.gov														
SC09_002	Astronomic Azimuth Survey	(U)	SFN	Present		Geographic	DVD, Email, On-Demand	NIPR, SIPR, JWICS	Hardcopy, PDF	Product				User Manual Astronomic Azimuth; User Manual DMA; User Manual Geodetic Astrolabe; User Manual Model A35M			Phased transition to cloud. Some products currently available. Goal for completion is FY23.	
				Product Description: (U) Astronomic azimuths are based off of the North Star (Polaris) and are usually measured into a laboratory used to calibrate Inertial Navigation Systems (INS). INS are used as part of the overall navigation package for various aircraft and missile systems.														
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY														
				Data Hosting Location: In Development														
SC09_003	Astronomic Positioning Survey	(U)	SFN	Present		Geographic	DVD, Email, On-Demand	NIPR, SIPR, JWICS	Hardcopy, PDF, XML	Product				User Manual Astronomic Azimuth; User Manual DMA; User Manual Geodetic Astrolabe; User Manual Model A35M			Phased transition to cloud. Some products currently available. Goal for completion is FY23.	
				Product Description: (U) Measured value used to compute the Deflection of the Vertical (DoV) between the WGS 84 ellipsoid and the gravity geoid. DoVs are part of the geomatics data sets used in guidance control of various platforms.														
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, SECRET, SECRET//NOFORN														
				Data Hosting Location: In Development														

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC09_004	Deflection of the Vertical (DoV) Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data, Product				User Manual Geodetic Astrolabe; User Manual Model A35M			
				Product Description: (U) DoV Surveys determine the astronomic position and geodetic position of a point on the Earth's surface. When measured at the same point on the Earth's surface, the astronomic position and the geodetic position can be used to calculate the Deflection of the Vertical (DoV). DoVs are used in the Inertial Navigation Systems (INS) of navigation and weapons platforms.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, SECRET, SECRET//NOFORN													
				Data Hosting Location: In Development													
SC09_005	Fundamental/Fiducial Site Survey	(U)	SFN	Present		Geographic	Email	NIPR	DOCX, PDF	Data, Product	1,2,3			User Manual DMA			
				Product Description: (U) Provides high accuracy geodetic and geophysical ground truth for countrywide or global networks, or micrometer level measurements between multiple geodetic or geophysical sensors co-located at the same site (e.g. GGOS sites). Fiducial sites often include sensors that are used to monitor geodetic or geophysical parameters. Networks of fiducial sites can be used to extend, or densify, geodetic or geophysical control.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, UNCLASSIFIED//LIMDIS													
				Data Hosting Location: In Development													
SC09_006	Geodetic Azimuth Survey	(U)	SFN	Present		Geographic	DVD, Email, Map of the World, On-Demand	NIPR	Hardcopy, PDF, XML	Data, Service	1,2,3	1,2,3	1,2,3	TM 88-001			Phased transition to cloud. Some products currently available. Goal for completion is FY23.
				Product Description: (U) Supports range safety for missile guidance systems. The azimuth is used to validate electronic encoders used in most missile launch platforms.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: In Development													
SC09_007	Geodetic Light Detection and Ranging (LiDAR) Survey	(U)	SFN	Present		Geographic	GRID	NIPR, SIPR	Point Cloud	Data, Service				American Society for Photogrammetry & Remote Sensing, LAS Specification Version 1.4-R15, 09 July 2019; TBD			Geospatial Repository and Data Management (GRID) System.
				Product Description: (U) Geodetic LiDAR surveying is a terrestrial, mobile, and low altitude airborne-based laser scanned point cloud.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, SECRET, SECRET//NOFORN													
				Data Hosting Location: NIPRNET: <a href="https://grid.nga.mil/">https://grid.nga.mil/</a> , SIPRNET: <a href="http://grid.nga.smil.mil/">http://grid.nga.smil.mil/</a> , JWICS: <a href="http://grid.nga.ic.gov/">http://grid.nga.ic.gov/</a>													
SC09_008	Geodetic Positioning Survey	(U)	SFN	Present		Geographic	DVD, Email, On-Demand	NIPR	ASCII, DOCX, Hardcopy, PDF, XML	Data, Service	1,2,3	1,2,3	1,2,3	TM 88-001			Phased transition to cloud. Some products currently available. Goal for completion is FY23.
				Product Description: (U) WGS 84 positional Control is used for all surveys that support SoN and airborne sensor calibration and/or validation. Control stations provide the primary method to incorporate various data into the WGS 84 reference frame.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOUO, UNCLASSIFIED//LIMDIS, SECRET, SECRET//REL TO, SECRET//NOFORN													
				Data Hosting Location: In Development													

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC09_009	Gravity Gradiometry Survey	(U)	SFN	Present		Geographic	DVD, Email, On-Demand	TBD	Hardcopy, PDF	Product				DOC #6615-954002 MLGS Operator Manual			Instrument currently not operational. This product is not hosted on an NGA webpage, reports and spreadsheets will be sent to the customer via email DVD. Includes Electro Magnetic Gradiometer Survey.
SC09_010	Gravity Survey	(U)	SFN	Present		Geographic	Email, On-Demand	NIPR	Hardcopy, PDF	Data, Service				DMA TM 80-002			Phased transition to cloud. Some products currently available. Goal for completion is FY23.
SC09_011	Ground Based Strategic Deterrent (GBSD) Survey	(U)	SFN	Present		Geographic		TBD	TBD	Data, Product				TBD			
SC09_012	Ground Truth Survey	(U)	SFN	Present		Geographic	Email, Map of the World, On-Demand	NIPR, SIPR, JWICS	DOCX, PDF	Data, Product	1,2,3			Custom			
SC09_013	High Speed Test Track Benchmark System Survey (BSS)	(U)	SFN	Present		Geographic	Email		DOCX, PDF	Data				Custom			
SC09_014	Kinetic Tracking Survey	(U)	SFN	Present		Geographic	Email		DOCX, PDF	Data, Product				Custom			
SC09_015	Magnetic Survey	(U)	SFN	Present		Geographic	Email, On-Demand	NIPR, SIPR, JWICS	ASCII, DOCX, XML, Hardcopy, PDF	Data, Service				DMA TM 81-003			Phased transition to cloud. Some products currently available. Goal for completion is FY23.
SC09_016	Pier/Wharf Survey	(U)	SFN	Present		Geographic	Email, Map of the World	NIPR	DOCX, PDF	Data, Product	1,2,3			Custom			

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC09_017	Precision Measurement Equipment Laboratory (PMEL) Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) PMEL surveys require high accuracy WGS 84 latitudes, longitudes, ellipsoid heights, relative gravity values, and geodetic/astronomical azimuths of specified locations in the labs.													
				Expected Releasability: UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: In Development													
SC09_018	Radar/Antenna Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) Radar/Antenna surveys require high accuracy WGS 84 latitudes, longitudes, ellipsoid heights, geodetic azimuths, and quadrant elevation values of specified locations on radars/antennas.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, SECRET//NOFORN													
				Data Hosting Location: In Development													
SC09_019	Rail Launcher Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) Rail launcher surveys require high accuracy WGS 84 latitudes, longitudes, ellipsoid heights, geodetic azimuths, and quadrant elevation values of specified locations on DOD launchers.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: In Development													
SC09_020	Reflector Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) Highly accurate geodetic positioning and alignment surveys for static reflectors and targets. This product is used for testing, evaluation, and calibration of air/non air collection systems.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: In Development													
SC09_021	Regional Clock Site Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) Accuracy of atomic clocks effected by local gravity field.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY, SECRET, SECRET//NOFORN'													
				Data Hosting Location: In Development													
SC09_022	Space Launch Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) Provides high accuracy geodetic or astronomic positions or azimuths required to launch a space vehicle. Space launch surveys are typically customized based on the platform or requester, and may include the measurement of points on the launch platform or in its immediate vicinity, instrumentation required to perform the launch, or touchdown locations.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: In Development													
SC09_023	Vertical/Levels Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				TBD			
				Product Description: (U) Vertical Surveys measure heights above Mean Sea Level (MSL).													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: In Development													
SC09_024	Wharf Calibration Survey	(U)	SFN	Present		Geographic	Email	TBD	DOCX, PDF	Data				Custom			
				Product Description: (U) Geodetic and Geophysical surveys conducted on docking wharfs at ports of call where US research vessels frequently visit. This product is used for calibration of shipboard gravity collections systems.													
				Expected Releasability: UNCLASSIFIED, UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: In Development													



Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC10	WGS 84																
SC10_001	DoD World Magnetic Model (WMM)	(U)	SFN	Present		Functional	DLA Hardcopy, Online	WWW	EXE	Data, Product, Service			1,2,3	MIL-PRF 89500A			Current model is 2020. Five year update cycle. NGA currently working through Pentagon JCIDS process to identify a new source for geomagnetic data to support the 2025 model and beyond.
				Product Description: (U) Facilitate the production and the DOD knowledge of the WMM, created in 5-year intervals with the most recent versions being WMM 2020.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://www.ngdc.noaa.gov/geomag/WMM/soft.shtml#downloads">https://www.ngdc.noaa.gov/geomag/WMM/soft.shtml#downloads</a> , SIPRNET: <a href="http://www.geoint.nga.smil.mil/products/gandg/update/index.php">http://www.geoint.nga.smil.mil/products/gandg/update/index.php</a> , JWICS: <a href="http://www.geoint.nga.ic.gov/products/gandg/update/index.php">http://www.geoint.nga.ic.gov/products/gandg/update/index.php</a>													
SC10_002	Earth Gravitational Model (EGM) 2008 Interpolation Grid	(U)	SFN	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	Binary	Data, Product, Service			1,2,3	NGA-STD-00036-1.0.0-WGS84			10 year update, minimum legacy support to previous models.
				Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://earth-info.nga.mil/">https://earth-info.nga.mil/</a> , SIPRNET: <a href="http://www.geoint.nga.smil.mil/products/gandg/update/index.phz">http://www.geoint.nga.smil.mil/products/gandg/update/index.phz</a> , JWICS: <a href="http://www.geoint.nga.ic.gov/products/gandg/update/index.php">http://www.geoint.nga.ic.gov/products/gandg/update/index.php</a>													
SC10_003	Earth Gravitational Model (EGM) 2008 Spherical Harmonics	(U)	SFN	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	ASCII	Data, Product, Service			1,2,3	NGA-STD-00036-1.0.0-WGS84			10 year update, minimum legacy support to previous models.
				Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://earth-info.nga.mil/">https://earth-info.nga.mil/</a> , SIPRNET: <a href="http://www.geoint.nga.smil.mil/products/gandg/update/index.php">http://www.geoint.nga.smil.mil/products/gandg/update/index.php</a> , JWICS: <a href="http://www.geoint.nga.ic.gov/products/gandg/update/index.php">http://www.geoint.nga.ic.gov/products/gandg/update/index.php</a>													
SC10_004	Earth Gravitational Model (EGM) 2022 Interpolation Grid	(U)	SFN	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	Binary	Product				NGA-STD-00036-1.0.0-WGS84; NGA.SIG.0025		TBD	Name change, standards spec updated.
				Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://earth-info.nga.mil/">https://earth-info.nga.mil/</a> , SIPRNET: <a href="http://www.geoint.nga.smil.mil/products/gandg/update/index.php">http://www.geoint.nga.smil.mil/products/gandg/update/index.php</a> , JWICS: <a href="http://www.geoint.nga.ic.gov/products/gandg/update/index.php">http://www.geoint.nga.ic.gov/products/gandg/update/index.php</a>													
SC10_005	Earth Gravitational Model (EGM) 2022 Spherical Harmonics	(U)	SFN	Present		Functional	Online	WWW, NIPR, SIPR, JWICS	ASCII	Product				NGA-STD-00036-1.0.0-WGS84; NGA.SIG.0025		TBD	Name change, standards spec updated.
				Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://earth-info.nga.mil/">https://earth-info.nga.mil/</a> , SIPRNET: <a href="http://www.geoint.nga.smil.mil/products/gandg/update/index.php">http://www.geoint.nga.smil.mil/products/gandg/update/index.php</a> , JWICS: <a href="http://www.geoint.nga.ic.gov/products/gandg/update/index.php">http://www.geoint.nga.ic.gov/products/gandg/update/index.php</a>													

## Science

											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC10_006	WGS 84 Reference Frame Update	(U)	SFN	Present		Functional	GPS Navigation Message, Online	WWW,NIPR	GPS Navigation Message,PDF	Product				NGA.STND.0036_1.0.0_WGS84			Delivery Method - Multiple: Real time part of WGS 84 Reference Frame is updated daily through the NGA Precise Ephemeris, while stable part is updated on 5 or 10 year delivery cycles and presented as the set of NGA/USAF GPS Monitor Station coordinates.
Product Description: (U) Periodic alignment of the WGS 84 reference frame to the current International Terrestrial Reference Frame (ITRF).																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: Specific dissemination requirements.																	
SC10_007	World Geodetic System 1984 (WGS 84)	(U)	SFN	Present		Functional	Custom DVD, DVD, FTP, GPS Navigation Message, Map of the World, Web Service	WWW, NIPR, SIPR, JWICS	Adhoc, ASCII	Data, Product, Service				NGA-STD-00036-1.0.0-WGS84			
Product Description: (U) The World Geodetic System 1984 (WGS 84) provides the terrestrial reference frame (TRF), defining WGS 84 best-fit ellipsoid parameters, coordinate transformation formulas and datum shift constants, gravity potential coefficients, geoid model, and a magnetic model. The WGS 84 is a system of multiple interrelated systems including the Earth Gravity Model (EGM), the Reference Frame (REF), and the World Magnetic Model (WMM).																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: N/A																	
SC11	Legacy																
SC11_001	Advanced Spaceborne Thermal Emission and Reflectance Radiometer (ASTER)	(U)	SFN	Legacy		Geographic	Online	NIPR	GeoTIFF, HDF-EOS	Product				TBD			USGS Data #5
Product Description: (U) Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) DEM is a low-resolution elevation models generated using image.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: https://grid.nga.mil/; http://grid.nga.smil.mil/; http://grid.nga.ic.gov/																	
SC11_002	Earth Gravitational Model (EGM) 1984 Interpolation Grid	(U)	SFN	Legacy		Functional	Online	WWW, NIPR, SIPR, JWICS	ASCII	Data, Product, Service	1,2,3	1,2,3	1,2,3	NIMA TR8350			
Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php																	
SC11_003	Earth Gravitational Model (EGM) 1984 Spherical Harmonics	(U)	SFN	Legacy		Functional	Online	WWW, NIPR, SIPR, JWICS	ASCII	Data, Product, Service	1,2,3	1,2,3	1,2,3	NIMA TR8350			
Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php																	
SC11_004	Earth Gravitational Model (EGM) 1996 Interpolation Grid	(U)	SFN	Legacy		Functional	Online	WWW, NIPR, SIPR, JWICS	ASCII	Data, Product, Service				NASA/TP 1998 206861			10 year update, minimum legacy support to previous models.
Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: https://earth-info.nga.mil/, SIPRNET: http://www.geoint.nga.smil.mil/products/gandg/update/index.php, JWICS: http://www.geoint.nga.ic.gov/products/gandg/update/index.php																	

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC11_005	Earth Gravitational Model (EGM) 1996 Spherical Harmonics	(U)	SFN	Legacy		Functional	Online	WWW, NIPR, SIPR, JWICS	ASCII	Data, Product, Service				NASA/TP 1998 206861			10 year update, minimum legacy support to previous models.
				Product Description: (U) The Earth Gravitational Model is a foundational piece of WGS 84 that is used to determine mean sea level.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://earth-info.nga.mil/">https://earth-info.nga.mil/</a> , SIPRNET: <a href="http://www.geoint.nga.smil.mil/products/gandg/update/index.php">http://www.geoint.nga.smil.mil/products/gandg/update/index.php</a> , JWICS: <a href="http://www.geoint.nga.ic.gov/products/gandg/update/index.php">http://www.geoint.nga.ic.gov/products/gandg/update/index.php</a>													
SC11_006	High Resolution Terrain Elevation 3 (HRTE3) - Reflective	(U)	SFN	Legacy		Geographic	DVD, External Hard Drive, Online	SIPR, JWICS	GeoTIFF	Data, Product, Service		1,2,3	1,2,3	HRTE3 Production Guidance Version 1.1.0			HRTE3 Reflective Surface is no longer produced following JSAP approval to utilize TanDEM-X 12-meter reflective surface to satisfy DSM requirements.
				Product Description: (U) Reflective surface high resolution elevation dataset at approximately 12-meter post spacing.													
				Expected Releasability: UNCLASSIFIED//LIMDIS; SECRET//REL TO FVEY; SECRET//NOFORN													
				Data Hosting Location: NIPRNET: <a href="https://grid.nga.mil/">https://grid.nga.mil/</a> , SIPRNET: <a href="http://grid.nga.smil.mil/">http://grid.nga.smil.mil/</a> , JWICS: <a href="http://grid.nga.ic.gov/">http://grid.nga.ic.gov/</a>													
SC11_007	High Resolution Terrain Elevation 5 (HRTE5)	(U)	SFN	Legacy	FY23	Geographic	DVD, External Hard Drive	NIPR, SIPR, JWICS	GeoTIFF	Data, Product, Service		1,2,3	1,2,3	HRTE5 Data Tracking Procedures Version 1.3			Existing HRTE5 content (1-meter) will be available for customer download, while future HRTE 5 requirements will be met by Defense Gridded Elevation Data (DGED) Level 6 data.
				Product Description: (U) High Resolution Terrain Elevation data at approximately 1 meter post spacing.													
				Expected Releasability: UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: NIPRNET: <a href="https://grid.nga.mil/">https://grid.nga.mil/</a> , SIPRNET: <a href="http://grid.nga.smil.mil/">http://grid.nga.smil.mil/</a> , JWICS: <a href="http://grid.nga.ic.gov/">http://grid.nga.ic.gov/</a>													
SC11_008	Shuttle Radar Topography Mission (SRTM) Level 1 (SRT1F)	(U)	SFN	Legacy		Geographic	DVD, DLA Hardcopy, Online	NIPR, SIPR, JWICS	ASCII	Data, Product, Service		1,2,3	1,2,3	MIL-PRF-89020B			The SRT1f layer was collected in 2000 using 30-meter reflective SAR data downsampled into 100-meter resolution and .dt1 format.
				Product Description: (U) SRT1F, is the void-filled version of SRTM level 1 dataset. It has a nominal 90-meter (3 arc-second) post spacing derived by thinning SRT2F.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://grid.nga.mil/">https://grid.nga.mil/</a> , SIPRNET: <a href="http://grid.nga.smil.mil/">http://grid.nga.smil.mil/</a> , JWICS: <a href="http://grid.nga.ic.gov/">http://grid.nga.ic.gov/</a>													

Science																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SC11_009	Shuttle Radar Topography Mission (SRTM) Level 2 (SRT2F)	(U)	SFN	Legacy		Geographic	DVD, DLA Hardcopy, Online	NIPR, SIPR, JWICS	ASCII	Data, Product, Service		1,2,3	1,2,3	MIL-PRF-89020B			The SRT2f layer was collected in 2000 using 30-meter reflective SAR data. The dataset is nearly void free and is disseminated in .dt2 format.
				Product Description: (U) SRT2F, which is a nominal 30 m post spacing, is the result of a substantial editing effort by NGA and exhibits water bodies and coastlines and the absence of spikes and wells.													
				Expected Releasability: UNCLASSIFIED//FOR OFFICIAL USE ONLY													
				Data Hosting Location: NIPRNET: https://grid.nga.mil/, SIPRNET: http://grid.nga.smil.mil/, JWICS: http://grid.nga.ic.gov/													
<u>Comment Column Codes</u> <ul style="list-style-type: none"><li>1: NSGD 1501 pending</li><li>2: NSGD 1501 in process</li><li>3: Sunset message pending</li><li>4: Sunset message sent; within 365-day period before termination</li><li>5: NSGD 1501 does not apply</li></ul> <div>Items highlighted in yellow are scheduled for change, modification or sunset within the next 2 years.</div> <div>Items highlighted in green indicate a change from the previous year.</div> <div>Availability columns highlighted in grey indicate Legacy status: no longer updated, with remaining holdings available.</div>																	

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## **GEOINT Information Office (ST)**

### **NGA Domain**

#### **(U) Overview:**

(U) The GEOINT Information Office (ST) provides access to Foundation GEOINT content and hard copy imagery to warfighters, partners, and allies. ST works to improve access and integrity of authoritative GEOINT information to support customer requirements. Other ST functions include:

- (U) Provision GEOINT products and services required for mission planning, safety of navigation, geodetic accuracy and targeting support in connected, semi-connected, and disconnected environments.
- (U) Expose historical imagery across multiple security domains.
- (U) Validate Foundation GEOINT (FG) data integrity and synchronize the PoD and DLA catalogs.
- (U) Manage Compressed ARC Digitized Raster Graphics (CADRG) production and functional oversight.
- (U) Manage modernization of the CADRG software suite.
- (U) Manage the quality assurance of color-feature attribution accuracy to ensure red, blue, green light readable spot color, print-ready PDF X-4 files.
- (U) Facilitate automatic distribution from the PoD.
- (U) Coordinate production with Operations and Capabilities Working Group (OCWG) members, DLA, and NGA FG NOX.
- (U) Provide Safety of Navigation (SoN) support.
- (U) Provide 3D terrain models and custom map products.

#### **(U) (U) Data and Product Listing, Timelines and Details**

Refer to Table

#### **(U) POC Information**

GEOINT Information Office (ST), Print and Distribution Division (STP)

NIPRNET E-MAIL:

- 3D Printed Terrain: [3DPT@nga.mil](mailto:3DPT@nga.mil)
- PoD and SoN: [MapHelp@nga.mil](mailto:MapHelp@nga.mil)
- CADRG: [CADRG@nga.mil](mailto:CADRG@nga.mil)

NGA																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
SFN	SFN																
SFN_001	3D Modeling & Simulation	(U)	SFN	FY24		Functional	Online	NIPR, SIPR, JWICS	CDB, 3D Tiles, ATAK, FBX, FGDB, VBS3, Unreal, Unity, VTAK, glTF, IS3, OBJ, GeoPackage	Data				CDB 1.2 NGA SIG TBD, NGA STND.0079 1.0 3DGEO		CDB	Foundation GEOINT to support 3D Modeling and Simulation. Available formats are OBJ, FBX, VBS3, GeoPackage, 3D Tiles, glTF, ATAK, VTAK, Unity, Unreal, IS3, FGDB.
				Product Description: 3D data for modeling and simulation combines imagery, elevation data, geographic features, 3D models and material characteristics to enable a single 3D immersive environment suitable for training, mission rehearsal, mission operations, and disaster/emergency modeling.													
				Expected Releasability: VARIES PER REQUEST													
				Data Hosting Location: TBD													
SFP	SFP																
SFP_001	NEO Contingency Operations	(U)	SFP	Present		Geographic	Custom DVD, Online, Email	NIPR, SIPR, JWICS	GeoPDF, PDF, Hardcopy	Data, Product			1,3				NEO - Noncombatant Evacuation Operations
				Product Description: Supports U.S. Government contingency operations worldwide with relevant and accurate, typically unclassified, country-specific foundation products and site-specific Noncombatant Evacuation Operations (NEO) material.													
				Expected Releasability: SECRET//NOFORN													
				Data Hosting Location: SIPRNET: <a href="https://intellipedia.intelink.sgov.gov/wiki/Noncombatant_Evacuation_Operations_Branch">https://intellipedia.intelink.sgov.gov/wiki/Noncombatant_Evacuation_Operations_Branch</a> , JWICS: <a href="https://intellipedia.intelink.ic.gov/wiki/Noncombatant_Evacuation_Operations_Branch">https://intellipedia.intelink.ic.gov/wiki/Noncombatant_Evacuation_Operations_Branch</a>													
ST	GEOINT Information Office (ST)																
ST_001	3D-Printed Terrain	(U)	ST	Present		Geographic	Hardcopy	NIPR, SIPR, JWICS	Hardcopy	Product							3D-Printed Terrain provides full color, 3D terrain of a customer defined area. Products can incorporate imagery, geospatial, and customer-provided data
				Product Description: Each 3D-Printed Terrain product is binned by overall size: <2 sq ft (small), <10 sq feet (mid), and >10 sq feet (large). Production capability as of FY22 is limited, so only 1-2 large products can be created per year. Larger quantities of the small and mid-sized terrain products can be produced each year.													
				Each product can incorporate the following features: -imagery (BlueMarble, satellite, etc.) -basemap (general hypsographic tinting, etc.) -topography and/or bathymetry -geospatial elements (roads, VOs, ports, airfields, populated areas, labels, etc.) -customer defined or provided features (specific areas, features, or geospatial items)													
Expected Releasability: VARIES PER REQUEST																	
<b>Comment Column Codes</b> <ul style="list-style-type: none"><li>1: NSGD 1501 pending</li><li>2: NSGD 1501 in process</li><li>3: Sunset message pending</li><li>4: Sunset message sent; within 365-day period</li><li>5: NSGD 1501 does not apply</li></ul>																	
Items highlighted in yellow are scheduled for change, modification or sunset within the next 2 years.																	
Items highlighted in green indicate a change from the previous year.																	
Availability columns highlighted in grey indicate Legacy status: no longer updated, with remaining holdings available.																	

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## **U.S. Geological Survey (USGS)**

### **NSG Domain**

#### **(U) Overview**

(U) The National Geospatial Program (NGP) provides a foundation of digital geospatial data representing the topography, natural landscape, and manmade environment of the United States. Customers can incorporate NGP geospatial products and services into their decision making and operational activities. NGP data and derived products and services can be accessed through The National Map (TNM) Data Download and Visualization Services (TNM Viewer). These products and services are developed by working with partners and organizations whose activities align with those of NGP. Additionally, NGP works to increase the efficiency of the Nation's geospatial community by improving communications about geospatial data, products, services, projects, needs, standards, and best practices. Primary components and products of the NGP are:

**(U) Imagery data and products:** Orthoimagery data typically are high resolution aerial images that combine the visual attributes of an aerial photograph with the spatial accuracy and reliability of a planimetric map. USGS digital orthoimage resolution may vary from 6 inches to 1 meter. The National Map offers free downloads of public domain, 1-meter orthoimagery for the conterminous United States with many urban areas and other locations at 2-foot or finer resolution.

**(U) Imagery – USDA National Agriculture Imagery Program (NAIP):** The National Agriculture Imagery Program (NAIP) is administered by the U.S. Department of Agriculture's Farm Service Agency (FSA) through the Aerial Photography Field Office (APFO) in Salt Lake City, Utah. NAIP acquires aerial imagery at a resolution of 1-meter ground sample distance (GSD) for the United States during the agricultural growing season, or "leaf on" conditions. The images are orthorectified which combines the image characteristics of an aerial photograph with the georeferenced qualities of a map.

The U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center distributes NAIP products in GeoTIFF and JPEG2000 format. The JPEG2000 format is a compressed file with embedded georeferencing information. The 10:1 lossy compression makes the file size smaller by reorganizing the data, but it also slightly degrades the imagery.

**(U) USGS Elevation data and products – 3D Elevation Program (3DEP):** To respond to growing needs for high-quality elevation data, the goal of 3DEP is to complete acquisition of nationwide lidar (IfSAR in AK) to provide the first-ever national baseline of consistent high-resolution topographic elevation data – both bare earth and 3D point clouds. 3DEP is managed by the USGS-NGP to respond to growing needs for high-quality topographic data and for a wide range of other three-dimensional (3D) representations of the Nation's natural and constructed features. 3DEP informs critical decisions that are made across our Nation every day that depend on elevation data, ranging from immediate safety of life, property, and environment to long term planning for infrastructure projects.

**(U) USGS Hydrography data and products:** The National Hydrography Dataset (NHD), Watershed Boundary Dataset (WBD), and NHDPlus High Resolution (NHDPlus HR) are digital geospatial datasets that map and model the surface water of the United States. The NHD and WBD are geospatial datasets that map the Nation's surface water network and hydrologic drainage areas. The NHD, at 1:24,000-scale or larger, represents the Nation's rivers, streams, canals, lakes, ponds, glaciers, coastlines, dams, and streamgages, and related features. The WBD represents drainage areas of the country as eight nested levels of hydrologic units. The NHD and WBD are the most up-to-date and geographically inclusive hydrography datasets for the Nation.

**(U) USGS Topographic products:** The USGS was entrusted with the responsibility for mapping the country in 1879 and has been the primary civilian mapping agency of the United States ever since. The best known USGS maps are the 1:24,000-scale topographic maps, also known as 7.5-minute quadrangles. From approximately 1947 to 1992, more than 55,000 7.5-minute maps were made to cover the 48 conterminous states. Similar maps at varying scales were produced during the same time period for Alaska, Hawaii, and US Territories. The 7.5-minute series was declared complete in 1992, and at that time was the only uniform map series that covered the United States in considerable detail. Map revision continued, though in decreasing quantities, through the 1990s. The last printed USGS topographic maps were published in 2006. In 2009, a new USGS quadrangle topographic map series was defined. Named "US Topo," these maps are modeled on the 7.5-minute series, but are derived from GIS data. At about the same time, a separate project was started to scan the entire historic library of traditional topographic maps. Today, USGS topographic quadrangle maps are divided into two product types:

1. US Topo is the current topographic map series. These are modeled on the legacy 7.5-minute maps, but are mass-produced from GIS databases and published as digital documents.

2. The Historical Topographic Map Collection (HTMC) is a set of scanned images of USGS topographic quadrangle maps originally published as paper documents in the period 1884-2006.

**(U) Data and Product Listing, Timelines and Details**

Refer to Table

**(U) POC Information:**

TNM Help Desk: [tnm\\_help@usgs.gov](mailto:tnm_help@usgs.gov)

**(U) USGS and NGP Websites on WWW**

NGP: <https://www.usgs.gov/core-science-systems/national-geospatial-program>

The National Map (TNM) datasets: <https://apps.nationalmap.gov/datasets/>

TNM data download and visualization services: <https://www.usgs.gov/core-science-systems/ngp/tnm-delivery>

TNM maps and GIS data download application:  
<https://apps.nationalmap.gov/downloader/#/>

**(U) Hydrography Websites on WWW:**

<https://www.usgs.gov/core-science-systems/ngp/national-hydrography>

**(U) USGS Topographic Products Websites on WWW:**

<https://www.usgs.gov/core-science-systems/national-geospatial-program/topographic-maps>

NSG																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
USA	US ARMY																
USA_001	Urban Tactical Planner (UTP)	(U)	AGC	Present		Geographic	Online	NIPR, SIPR	GDB, SHP, KML, MPK, GeoPDF	Data, Product				UTP Standard/Spec (2019-11-12)			Expected to carry LIMDIS caveat; however, NGA was reviewing specifications to determine if strictly UNCLASSIFIED is appropriate for this dataset
Product Description: Vector feature data for the urban environment that affect urban area operations. The product is capable of exploiting numerous data inputs such as DTED, commercial imagery, NGA topographic products, and intelligence sources.																	
Expected Releasability: UNCLASSIFIED//LIMDIS																	
Data Hosting Location: NIPRNET: <a href="https://jecop.usace.army.mil/egdmapp">https://jecop.usace.army.mil/egdmapp</a> ; <a href="https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm">https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm</a> , SIPRNET: <a href="https://jecop.uroc.army.smil.mil/egdmapp">https://jecop.uroc.army.smil.mil/egdmapp</a>																	
USA_002	Regional Terrain Planner (RTP)	(U//FOUO)	AGC	Present		Geographic	Online	NIPR, SIPR	GDB, SHP, KML, MPK	Data				RTP Production Guide			
Product Description: Vector feature data for Army planning, focusing on local-level mapping of networks, patterns and features. The Regional Terrain Planner (RTP) is designed to serve as an operational planning tool to support military mobility studies in corridors between Urban Tactical Planner (UTP) analysis areas.																	
Expected Releasability: UNCLASSIFIED//CUI																	
Data Hosting Location: NIPRNET: <a href="https://jecop.usace.army.mil/egdmapp">https://jecop.usace.army.mil/egdmapp</a> ; <a href="https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm">https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm</a> , SIPRNET: <a href="https://jecop.uroc.army.smil.mil/egdmapp">https://jecop.uroc.army.smil.mil/egdmapp</a>																	
USA_003	Engineering Route Study (ERS)	(U//FOUO)	AGC	Present		Geographic	Online	NIPR, SIPR	GDB, SHP, KML, MPK, PDF	Data, Product				ERS Production Guide			
Product Description: Vector feature data and hardcopy product for regional planning studies. The ERS graphic provides current information on transportation systems, terrain, and environmental data.																	
Expected Releasability: UNCLASSIFIED//CUI																	
Data Hosting Location: NIPRNET: <a href="https://jecop.usace.army.mil/egdmapp">https://jecop.usace.army.mil/egdmapp</a> ; <a href="https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm">https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm</a> , SIPRNET: <a href="https://jecop.uroc.army.smil.mil/egdmapp">https://jecop.uroc.army.smil.mil/egdmapp</a>																	
USA_004	Buckeye Vector (BEV)(Force Protection)	(U//FOUO)	AGC	Present		Geographic	Online	NIPR, SIPR	GDB, SHP, KML, MPK	Data							
Product Description: Extracted in areas where BuckEye Airborne has flown, developed primarily from high resolution flown, developed primarily from high resolution BuckEye Imagery and LiDAR to capture terrain, BuckEye Imagery and LiDAR to capture terrain, transportation networks, vertical obstructions, and transportation networks, vertical obstructions, and other key mobility features.																	
Expected Releasability: UNCLASSIFIED//CUI																	
Data Hosting Location: NIPRNET: <a href="https://jecop.usace.army.mil/egdmapp">https://jecop.usace.army.mil/egdmapp</a> ; <a href="https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm">https://cac.agc.army.mil/Products/CommonMapBackground/index.cfm</a> , SIPRNET: <a href="https://jecop.uroc.army.smil.mil/egdmapp">https://jecop.uroc.army.smil.mil/egdmapp</a>																	
USGS U.S. Geological Survey (USGS)																	
USGS_001	1/9 arc-second Digital Terrain Model	(U)	USGS	Present			Online	WWW	GeoTIFF	Data, Product, Service				USGS/USG spec			
Product Description: 1/9-arc second bare earth terrain model with partial US coverage. No updates or additional coverage planned																	
Expected Releasability: UNCLASSIFIED																	
Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> NIPRNET: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Download: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>																	

NSG																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
USGS_002	1/3 arc-second Digital Terrain Model	(U)	USGS	Present			Online	WWW	GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: 1/3-arc second bare earth terrain model with full coverage of the 48 conterminous states, Hawaii, and U.S. territories. Alaska coverage is partially available now and is being expanded to statewide coverage													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> NIPRNET: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Download: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_003	1 arc-second Digital Terrain Model	(U)	USGS	Present			Online	WWW	GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: One-arc second bare earth terrain model providing complete coverage over the conterminous U.S. and partial coverage of Alaska, most of Canada and Mexico													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a>													
USGS_004	2 arc-second Digital Terrain Model (Alaska)	(U)	USGS	Present			Online	WWW	GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: 2-arc second bare earth terrain model over Alaska													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> NIPRNET: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Download: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_005	1-meter Digital Terrain Model	(U)	USGS	Present			Online	WWW	GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: One-meter bare earth terrain model derived from LIDAR													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> NIPRNET: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Download: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_006	5-meter Digital Terrain Model (Alaska)	(U)	USGS	Present			Online	WWW	TBD	Data, Product, Service				USGS/USG spec			
				Product Description: 5-meter IfSAR-derived DEMs over Alaska													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> NIPRNET: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Download: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													

NSG																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
USGS_007	1:24,000-scale US Topo	(U)	USGS	Present			Online	WWW	GeoPDF, GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: 1:24,000-scale topographic product over conterminous US, Hawaii and territories; 1:20,000-scale in Puerto Rico; 1:25,000-scale in Alaska													
				Expected Releasability: UNCLASSIFIED													
USGS_008	Boundaries - Small Scale	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: 1:1,000,000-scale National Atlas data													
				Expected Releasability: UNCLASSIFIED													
USGS_009	Contours (1:24,000-scale)	(U)	USGS	Present			Online	WWW	GeoPDF, GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: Vector format topographic contour lines derived from digital elevation source.													
				Expected Releasability: UNCLASSIFIED													
USGS_010	Contours - Small Scale	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: 1:1,000,000-scale National Atlas data													
				Expected Releasability: UNCLASSIFIED													
USGS_011	Digital Terrain Model (OPR)	(U)	USGS	Present			Online	WWW	TBD	Data, Product, Service				USGS/USG spec			
				Product Description: Bare earth terrain data delivered along with lidar point cloud data													
				Expected Releasability: UNCLASSIFIED													
USGS_012	Geographic Names	(U)	USGS	Present			Online	WWW	TXT	Data, Product, Service				USGS/USG spec			
				Product Description: Geonames for cultural and physical features throughout the US and Trust Territories													
				Expected Releasability: UNCLASSIFIED													
USGS_012	Geographic Names	(U)	USGS	Data Hosting Location:													
				NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a>													
				Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a>													
USGS_012	Geographic Names	(U)	USGS	Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a> , <a href="https://geonames.nga.mil/gns/html/">https://geonames.nga.mil/gns/html/</a>													

NSG																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
USGS_013	Historical Topographic Maps	(U)	USGS	Present			Online	WWW	GeoPDF, GeoTIFF	Data, Product, Service				USGS/USG spec			
				Product Description: Historical USGS topographic maps at various scales													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://apps.nationalmap.gov/viewer/ Download: https://apps.nationalmap.gov/downloader/#/ Services: https://apps.nationalmap.gov/services/													
USGS_014	Hydrography - Small Scale	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: 1:1,000,000-scale National Atlas data													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://apps.nationalmap.gov/viewer/ Download: https://apps.nationalmap.gov/downloader/#/ Services: https://apps.nationalmap.gov/services/													
USGS_015	IfSAR Digital Surface Model (Alaska)	(U)	USGS	Present			Online		TBD	Data, Product, Service				USGS/USG spec			
				Product Description: 5-meter surface model over Alaska													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://apps.nationalmap.gov/viewer/ Download: https://apps.nationalmap.gov/downloader/#/													
USGS_016	IfSAR Orthorectified Radar Image (Alaska)	(U)	USGS	Present			Online	WWW	TBD	Data, Product, Service				USGS/USG spec			
				Product Description: Orthorectified intensity images from IfSAR data over Alaska													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://apps.nationalmap.gov/viewer/ Download: https://apps.nationalmap.gov/downloader/#/													
USGS_017	Imagery - NAIP Plus 1-meter to 1-foot	(U)	USGS	Present			Online	WWW	GeoTIFF, JPEG	Data, Product, Service				USGS/USG spec			
				Product Description: NAIP imagery is acquired at a one-meter ground sample distance (GSD) with a horizontal accuracy that matches within six meters of photo-identifiable ground control points, which are used during image inspection.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: https://apps.nationalmap.gov/viewer/ Download: https://apps.nationalmap.gov/downloader/#/ Services: https://apps.nationalmap.gov/services/													

NSG																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
USGS_018	Lidar Point Cloud	(U)	USGS	Present			Online		TBD	Data, Product, Service				USGS/USG spec			
				Product Description: Lidar point cloud data over the US at 2-meter point spacing or better													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> NIPRNET: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Download: <a href="https://grid.nga.mil/grid/">https://grid.nga.mil/grid/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_019	Map Indices	(U)	USGS	Present					GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: Index grids for USGS products at various scales													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_020	National Hydrography Dataset	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: Vector hydrography data such as rivers, streams, canals, lakes, ponds, coastline, dams, and streamgages.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_021	NHDPPlus High Resolution	(U)	USGS	Present			Online		GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: Vector hydrography data conflated with drainage basin and elevation data													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													



NSG																	
											Map of the World 1- Discoverable 2- Viewable 3- Downloadable						
UUID	Product Name	Line Class	OPR	Availability	Planned 1501 Sunset	Requirement Type	Delivery Method	Network	Data Format	Deliverable	NIPR	SIPR	JWICS	Standard/ Spec	Proposed Sunset	Proposed 1501 Replacement	Comments
USGS_022	Transportation	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: Vector transportation data to include roads, airports, trails, railroads, and other features associated with the transport of people or commerce.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_023	Transportation - Small Scale	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: 1:1,000,000-scale National Atlas data													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_024	Watershed Boundary Dataset	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: Vector based drainage basin data.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
USGS_025	Woodland Tint	(U)	USGS	Present			Online	WWW	GDB, SHP	Data, Product, Service				USGS/USG spec			
				Product Description: 30-meter resolution raster land cover database for the Nation, derived from Landsat.													
				Expected Releasability: UNCLASSIFIED													
				Data Hosting Location: NIPRNET: <a href="https://apps.nationalmap.gov/viewer/">https://apps.nationalmap.gov/viewer/</a> Download: <a href="https://apps.nationalmap.gov/downloader/#/">https://apps.nationalmap.gov/downloader/#/</a> Services: <a href="https://apps.nationalmap.gov/services/">https://apps.nationalmap.gov/services/</a>													
<b>Comment Column Codes</b> <ul style="list-style-type: none"><li>1: NSGD 1501 pending</li><li>2: NSGD 1501 in process</li><li>3: Sunset message pending</li><li>4: Sunset message sent; within 365-day pe</li><li>5: NSGD 1501 does not apply</li></ul>																	
Items highlighted in yellow are scheduled for change, modification or sunset within the next 2 years.																	
Items highlighted in green indicate a change from the previous year.																	
Availability columns highlighted in grey indicate Legacy status: no longer updated, with remaining holdings available.																	

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## **(U) References**

- (a) NGA Content Catalog, <https://globe.nga.ic.gov/catalog>
- (b) [https://intellipedia.intelink.gov/wiki/NGA\\_Products\\_and\\_Services\\_Handbook](https://intellipedia.intelink.gov/wiki/NGA_Products_and_Services_Handbook)  
[https://intellipedia.intelink.ic.gov/wiki/NGA\\_Products\\_and\\_Services\\_Handbook](https://intellipedia.intelink.ic.gov/wiki/NGA_Products_and_Services_Handbook)
- (c) DoDD 5250.01, Management of Intelligence Mission Data (IMD) in DoD Acquisition, 22 January 2013
- (d) CJCSI 3901.01 G, Requirements for Geospatial Information and Services, 3 August 2022
- (e) NSGD 1501, Termination or Change of GEOINT Products and Services, 17 March 2016

**(U) Change Log**

Table is UNCLASSIFIED//FOUO

UUID	OPR	Product	Changes
A01_002	SFA	Automated Air Facilities Intelligence File (AAFIF)	Data Hosting Location updated.
A01_004	SFA	Digital Aeronautical Flight Information File (DAFIF) 8.0	Proposed Sunset Date updated to 12/31/2024. Data Hosting Location updated.
A01_005	SFA	Digital Aeronautical Flight Information File (DAFIF) 8.1	Data Hosting Location updated.
A01_006	SFA	Digital Aeronautical Flight Information File (DAFIF) 9.0	Data Hosting Location updated.
A01_008	SFA	Electronic-Instrument Procedures Library (E-IPL)	Comment and Data Hosting Location updated.
A01_009	SFA	Obstruction Change File (OCF)	Planned 1501 Sunset changed to FY24. Proposed Sunset Date changed to 7/31/2024. Proposed 1501 Replacement, Comments updated, and Data Hosting Location updated.
A01_011	SFA	Vector Vertical Obstruction Database (VVOD)	Proposed Sunset Date updated to 12/31/2023. Data Hosting Location updated.
A02_005	SFA	Flight Information Publications (FLIP) - DVD	Data Hosting Location updated.
A02_006	SFA	FLIP - Enroute Supplements	Data Hosting Location updated.
A02_008	SFA	FLIP - Planning Documents (GP, AP)	Data Hosting Location updated.
A02_009	SFA	FLIP - Seamless IFR Enroute Chart	Data Hosting Location updated.
A02_010	SFA	FLIP - Worldwide Terminal Instrument Procedures	Comment updated.
A03_003	SFA	Aeronautical Source Packaging Service (ASPS)	Data Hosting Location updated.
A04_001	SFA	Authoritative Meteorological and Oceanographic Information	Comment and Product Description updated.
L01_001	SFG	Census Data	New Product Description.
L01_002	SFG	Demographic Data	New Product Description.
L01_003	SFG	Economic Data	New Product Description.
L01_004	SFG	Election and Polling Data	New Product Description.
L01_005	SFG	Land Use Land Cover	New Product Description.

UUID	OPR	Product	Changes
L01_006	SFG	Population Distribution Data	New Product Description.
L02_001	SFG	Ethnic Identity	New Product Description.
L02_002	SFG	Ideological Identity	New Product Description.
L02_003	SFG	Linguistic Identity	New Product Description.
L02_004	SFG	Political Identity	New Product Description.
L02_005	SFG	Religious Identity	New Product Description.
L03_001	SFG	Communication Points of Interest (POI)	New Product Description.
L03_002	SFG	Cultural Heritage Points of Interest (POI)	New Product Description.
L03_003	SFG	Economic Points of Interest (POI)	New Product Description.
L03_004	SFG	Education Points of Interest (POI)	New Product Description.
L03_005	SFG	Energy Points of Interest (POI)	New Product Description.
L03_006	SFG	Health and Medical Points of Interest (POI)	New Product Description.
L03_007	SFG	Place of Worship Points of Interest (POI)	New Product Description.
L03_008	SFG	Security Points of Interest (POI)	New Product Description.
L03_009	SFG	Transportation Points of Interest (POI)	New Product Description.
L03_010	SFG	Water and Sanitation Points of Interest (POI)	New Product Description.
L04_001	SFG	Disaster Events	New Product Description.
L04_002	SFG	Humanitarian Events	New Product Description.
L04_003	SFG	Protests and Demonstrations	New Product Description.
L04_004	SFG	Violent Events	New Product Description.
L06_001	SFG	Boundaries (International/ADM1/ADM2/Maritime)	Data Format, Deliverable, Product Description, and Data Hosting Location updated.
L06_002	SFG	Boundaries/Delineations (ADM3 and lower)	Data Format, Deliverable, Product Description, and Data Hosting Location updated.
L06_003	SFG	Digital International Boundaries (DIB)	Planned Sunset Date added FY23, Deliverable, Proposed Sunset Date, and Data Hosting Location updated.
L06_004	SFG	Dynamic World Coastline (DWC)	Network, Data Format, Deliverable, Map of the World, Comments, Product Description, Expected Releasability, and Data Hosting Location updated.
L06_005	SFG	Geographic Names Database (GNDB)	Data Format, Deliverable, Standard/Spec, Comments, and Data Hosting Location updated.

UUID	OPR	Product	Changes
L07_004	SFG	Image City Map (ICM)/Digital Image City Map (DICM)	Delivery Method and Data Format updated.
L07_008	SFG	MGCP Urban Vector Data (MUVD)	Existing Product. New to IMDP.
SC02_001	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Avalanche Hazard Potential Modeling	Requirement Type changed to Geographic. Delivery Method, Standard/Spec, and Data Hosting Location updated.
SC02_002	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Global Hydrologic Modeling	Availability changed to FY24. Requirement Type changed to Geographic. Delivery Method, Standard/Spec, and Data Hosting Location updated.
SC02_003	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Global Spectral Index Suite	Availability changed to FY24. Requirement Type changed to Geographic. Delivery Method, Standard/Spec, and Data Hosting Location updated.
SC02_004	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Lahar Hazard Modeling	Availability changed to FY24. Requirement Type changed to Geographic. Delivery Method, Data Format, Standard/Spec, and Data Hosting Location updated.
SC02_005	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Landslide Hazard Potential Modeling	Delivery Method, Standard/Spec, and Data Hosting Location updated.
SC02_006	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Precipitation Anomaly Modeling	Availability changed to FY23. Requirement Type changed to Geographic. Delivery Method, Data Format, Standard/Spec, and Data Hosting Location updated.
SC01_007	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Seismic Hazard Modeling	Availability changed to FY24. Delivery Method, Data Format, Standard/Spec, and Data Hosting Location updated.
SC02_008	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Streamflow Prediction Tool	Availability changed to FY24. Data Format, Standard/Spec, and Data Hosting Location updated.

UUID	OPR	Product	Changes
SC02_009	SFN	GeoHazards, Indications, and Potentials (GeoHIP) - Wildfire Potential Modeling	Standard/Spec, and Data Hosting Location updated.
SC02_012	SFN	Mobility Cost Surfaces (MCS)	Name changed from Cross Country Mobility (CCM). Product Description updated.
SC04_001	SFN	Earth Orientation Parameter Predictions (EOPP)	Delivery Method updated.
SC04_002	SFN	GNSS Collection, Assessment, and Validation (CAV)	Delivery Method, Network, Data Format, Deliverable, Standard/Spec, Excepted Releasability, and Data Hosting Location updated.
SC04_007	SFN	GPS Predicted Ephemeris	Standard/Spec updated.
SC05_009	SFN	Sentinel Fire Control (FC) Gravity Model	Name changed from Ground Based Strategic Deterrent (GBSD). Delivery Method, Data Format, Deliverable, and Comments updated.
SC06	SFN	Lunar	New sub-domain.
SC06_001	SFN	Sentinel Error Covariance (EC) Gravity Model	New product line, availability FY26
SC06_002	SFN	Trident Error Covariance (EC) Gravity Model	New product line, availability FY26
SC08_001	SFN	CI Orthorectified Regional Mosaics	Delivery Method updated.
SC08_004	SFN	Digital Point Positioning Database (DPPDB) - NITF 2.0	Classification changed to U//FOUO.
SC09_001	SFN	Airfield Survey (TAGGS)	Delivery Method updated.
SC09_008	SFN	Geodetic Positioning Survey	Expected Releasability updated.
SC10	SFN	WGS 84	New sub-domain.
SC10_004	SFN	Earth Gravitational Model (EGM) 2022 Interpolation Grid	Name change from Earth Gravitational Model (EGM) 2020 Interpolation Grid. Standard/Spec and Comments updated.
SC10_005	SFN	Earth Gravitational Model (EGM) 2022 Spherical Harmonics	Name change from Earth Gravitational Model (EGM) 2020 Spherical Harmonics. Standard/Spec and Comments updated.
SC10_007	SFN	World Geodetic System 1984 (WGS 84)	Existing product. New to IMDP.
SE01_003	SFH	Digital Nautical Chart (DNC)	Proposed Sunset Date moved earlier in FY26 and Comment updated.

UUID	OPR	Product	Changes
SE01_007	SFH	Fleet Guides	Changed from FOUO to LIMDIS for Expected Releasability. Data Hosting Location updated.
SE01_009	SFH	MATT	Classification changed to U//FOUO.
SE01_010	SFH	NGA Summary of Corrections (Classified) 1 Volume	Proposed Sunset Date 9/30/2023.
SE01_012	SFH	Quarterly Publication DVD	Added UNCLASSIFIED//LIMDIS to Expected Releasability.
SE01_017	SFH	SubMerge Electronic Navigational Charts (SMENC)	Name change from Submarine to SubMerge
SE01_018	SFH	Tactical Ocean Data - Level 0 (TOD 0)	Proposed Sunset Date moved earlier in FY26
SE01_019	SFH	Tactical Ocean Data - Level 1 (TOD 1)	Proposed Sunset Date extended to FY23.
SE01_020	SFH	Tactical Ocean Data - Level 2 (TOD 2)	Proposed Sunset Date moved earlier in FY26
SE01_021	SFH	Tactical Ocean Data - Level 4 (TOD 4)	Proposed Sunset Date moved earlier in FY26
SE01_023	SFH	U.S. Notice to Mariners (NTM) (Unclassified)	Proposed Sunset Date moved earlier from FY35 to FY23
SE01_025	SFH	Vector Product Format Database Update (VDU)	Proposed Sunset Date extended to FY24.
SE01_008	SFH	Littoral Planning Charts (LPCs)	Added "Littoral Planning Maps" to proposed 1501 replacement.
SE02_009	SFH	Maneuvering Board	Removed Online Capability and URL from Data Hosting Location
SE02_010	SFH	Operating Area (OPAREA) Charts	Proposed Sunset Date moved earlier from FY24 to FY23.
SE02_013	SFH	Range Charts	Proposed Sunset Date moved earlier from FY24 to FY23.
SE02_016	SFH	Standard Nautical Charts (SNC)	Proposed Sunset Date moved earlier from FY25 to FY23
SE02_019	SFH	World-General Charts	Proposed Sunset Date moved earlier from FY25 to FY23.
SE02_020	SFH	World-International Charts	Proposed Sunset Date moved earlier from FY25 to FY23.



UUID	OPR	Product	Changes
SE04_010	SFH	USCG Rules of the Road	Changed Network to WWW only. Updated URL for Data Hosting Location.
N/A	SFH	Maritime Intelligence Daily	Product sunset. Line deleted.
N/A	SFH	Non-Submarine Contact List (NSC) Database	Product sunset. Line deleted.
SFN_001	SFN	3D Modeling & Simulation	OPR changed from SFC. Standard/Spec updated with NGA STND.0079 1.0 3DGEO. Comments removed sentence on CDB.
SFN, SFP, ST	SFN, SFP, ST	NGA	New section added to accommodate NGA products as a part of reorganizing the FG IMDP. No new products were added, just shifted.
USA and USGS	AGC, USGS	NSG	New section added to include AGC and USGS products.
USA_001	AGC	Urban Tactical Planner (UTP)	Existing Product. New to IMDP for awareness.
USA_002	AGC	Regional Terrain Planner (RTP)	Existing Product. New to IMDP for awareness.
USA_003	AGC	Engineering Route Study (ERS)	Existing Product. New to IMDP for awareness.
USA_004	AGC	Buckeye Vector (BEV)(Force Protection)	Existing Product. New to IMDP for awareness.

## (U) Abbreviations and Acronyms

List is UNCLASSIFIED

### A

AACDTD—Area Arrival Charts Depicting Terrain Data  
 AAFIF—Automated Air Facilities Intelligence File  
 ACES—Aeronautical Content Exploitation System  
 AFD—Airfield Foundation Data  
 AML—Additional Military Layers  
 AP—Area Planning  
 AOR—Area of Responsibility  
 AQP—Airfield Qualification Program  
 ASAM—Anti Shipping Activity Message  
 ASMAAR—Aeronautical Services Monthly Airfield Activity Report  
 ASPS—Aeronautical Source Packaging Service  
 ASTER—Advanced Spaceborne Thermal Emission and Reflectance Radiometer

### C

CADRG—Compressed ARC Digitized Raster Graphics  
 CARD—Consolidated Aeronautical Resources Download Site  
 CAV—Collection Assessment and Validation  
 CCMD—Combatant Command  
 CI—Controlled Image  
 CIB—Controlled Image Base  
 CJCSI—Chairman of the Joint Chiefs of Staff Instruction  
 CIOortho – Commercial Imagery Orthorectified  
 CPENC—Certified Printed Electronic Nautical Chart  
 CONUS—Contiguous United States

### D

DAFIF—Digital Aeronautical Flight Information File  
 DEM—Digital Elevation Model  
 DGED—Defense Gridded Elevation Data  
 DGIWG—Defense Geospatial Information Working Group  
 DICM—Digital Image City Map  
 DINS—DoD Internet NOTAM System

DLA—Defense Logistics Agency  
 DNC—Digital Nautical Chart  
 DoD—Department of Defense  
 DoDAAC—DoD Activity Address Code  
 DODD—Department of Defense Directive  
 DOV—Deflection of the Vertical  
 DPPDB—Digital Point Position Database  
 DSM—Digital Surface Model  
 DTED—Digital Terrain Elevation Data  
 DVD—Digital Versatile Disc  
 DVOF—Digital Vertical Obstruction File

### E

ECRG – Enhanced Compressed Raster Graphics  
 EGD—Enhanced GEOINT Delivery  
 EGM—Earth Gravitational Model  
 E-IPL—Electronic-Instrument Procedures Library  
 ENC—Electronic Nautical Chart  
 EOPP—Earth Orientation Prediction Parameters  
 ESRI—Environmental System Research Institute  
 EVC—Escape and Evasion Chart

### F

FAA—Federal Aviation Administration  
 FACC—Feature and Attribute Coding Catalog  
 FFD—Foundation Feature Data  
 FIH—Flight Information Handbook  
 FLIP—Flight Information Publications  
 FPPG—Force Protection Port Graphics  
 FRSCOM—Foundation Data Requirements Subcommittee  
 FY—Fiscal Year

### G

GEOCOM—National Geospatial Intelligence Committee  
 GDB—Geodatabase (File Format)  
 GEOINT—Geospatial Intelligence  
 GeoPDF—Geographic Portable Document Format  
 GI&S—Geospatial Information and Services

GIFD—Geospatial Intelligence Feature Database  
 GNDB—Geographic Names Database  
 GNC—Global Navigation and Planning Chart  
 GNF—Guide to Numbered Features  
 GNS—GEONet Names Server  
 GNSS—Global Navigation Satellite System  
 GP—General Planning  
 GPS—Global Positioning System  
 GWG—Geospatial Intelligence Standards Working Group

**H**

HADR—Humanitarian and Disaster Relief  
 HD—High Density  
 HDF-EOS—Hierarchical Data Format-Earth Observing System  
 HG—Human Geography  
 HRTE—High Resolution Terrain Elevation

**I**

IC – Intelligence Community  
 ICM—Image City Map  
 IFR—Instrument Flight Rules  
 IMO—International Maritime Organization

**J**

JNC—Jet Navigation Chart  
 JOG-A—Joint Operations Graphic – Air  
 JWICS—Joint Worldwide Intelligence Communications System

**K**

KML—Keyhole Markup Language (File Format)

**L**

LAG—Layered Airfield Graphic  
 LFC—Low-Flying Chart  
 LiDAR—Light Detection and Ranging  
 LIMDIS—Limited Distribution  
 LOC—Lines of Communication  
 LPC—Littoral Planning Chart  
 LSRS—Littoral Surveillance Radar System

**M**

METOC—Meteorological and Oceanographic (conditions)

MGCP—Multinational Geospatial Co-Production Program  
 MIM—Military Installation Maps  
 MLGS—Mobile Land Gradiometry System  
 MODU—Mobile Offshore Drilling Unit  
 MoW—Map of the World  
 MSP—Mensuration Services Program  
 MTM—MGCP Topographic Map

**N**

NAVO—Naval Oceanographic Office  
 NCO—Non-combatant Evacuation and Contingency Operations  
 NGA—National Geospatial-Intelligence Agency  
 NIPRNET (NIPR)—Non-secure Internet Protocol Router  
 NOAA—National Oceanic and Atmospheric Administration  
 NOME – NSG Open Mapping Enclave  
 NOX—NSG Operations Executive  
 NSC—Non-Submarine Contact  
 NSG—National System for Geospatial Intelligence  
 NSGD—NSG Directive  
 NTM—Notice To Mariners

**O**

OCF—Obstruction Change File  
 OCONUS—Outside the Contiguous United States  
 OGC—Open Geospatial Consortium  
 ONC—Operational Navigation Chart  
 OPAREA—Operating Area

**P**

PDF—Portable Document Format  
 POI – Points of Interest  
 PS—Product Specification  
 PSG—Product Specific Guidance

**S**

SAIR—Special Aeronautical Information Request  
 SCIP—Security Co-Op Information Portal  
 SHP—Shapefile (File format)  
 SIPR—Secure Internet Protocol Router  
 SMENC—Submarine Electronic Navigation Chart  
 SoN—Safety of Navigation

SRTM—Shuttle Radar Topography Mission

**T**

TDS—Topographic Data Store

TERCOM—Terrain Contour Mapping

TFADS-O—Table Formatted Aeronautical  
Data Set-Obstructions

TFDM—Topographic Features Data  
Management

TLM—Topographic Line Map

TM—Topographic Map

TOD—Tactical Ocean Data

TPC—Tactical Pilotage Chart

TRANSCOM—Transportation Command

TRD – Technical Reference Document

TREx—TanDEM-X High Resolution  
Elevation Data Exchange

**U**

UFD—Urban Feature Data

UKHO—United Kingdom Hydrography  
Office

UN—United Nations

USBGN—U.S. Board of Geographic Names

USCG—United States Coast Guard

USG—United States Government

USGS—United States Geological Survey

USNO—United States Naval Observatory

**V**

VDU—Vector Product Format Database  
Update

VFR—Visual Flight Rules

VMap—VPF Map

VO—Vertical Obstruction

VPF—Vector Product Format

VVOD—Vector Vertical Obstruction Data

**W**

WGS—World Geodetic System

WWNWS—World-Wide Navigational  
Warning Service

