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Originator:
NGA WASHINGTON DC//NSG//

Subject:
SUBJECT: (U) Notification of Proposed Termination of Foundation
GEOINT Hardcopy Print Production in accordance with the National
System for Geospatial intelligence (NSG) Instruction (NSGI) 1501
Process.

Classification:
UNCLASSIFIED

Recipients:

- TO: CJCS WASHINGTON DC
- TO: DNI WASHINGTON DC
- TO: OSD USD INTEL WASHINGTON DC
- TO: OSD USD INTEL WARFIGHTER SPT WASHINGTON DC
- TO: FBI WASHINGTON DC
- TO: DEPT OF ENERGY WASHINGTON DC
- TO: DEPT OF HOMELAND SECURITY WASHINGTON DC
- TO: DEPT OF STATE WASHINGTON DC
- TO: DEPT OF TREASURY WASHINGTON DC
- TO: DEA HQS WASHINGTON DC
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- TO: NSA FT GEORGE G MEADE MD
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- TO: AUSTDEF WELLINGTON
- TO: CFJIC OTTAWA
- TO: NDHQ INT CFILO L OTTAWA
- TO: NDHQ INT CFILO W OTTAWA
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- TO: ONI WASHINGTON DC
- TO: MCIA QUANTICO VA
- TO: DIRMSIC REDSTONE ARSENAL AL
- TO: DIRNCMI FT DETRICK MD
- TO: DLA FT BELVOIR VA
- TO: DLA INDO-PACIFIC SYNCHRONIZATION OPERATIONS CENTER
- TO: DLA USCENCOM MACDILL AFB FL

TO: CMC CMC WASHINGTON DC
TO: CMSA LANT NORFOLK VA
TO: CMSA PAC HONOLULU HI
TO: MARITIME INTEL PORTAL WASHINGTON DC
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TO: HQ EPA WASHINGTON DC
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TO: NASA WASHINGTON DC
TO: NAVDEPNOAA WASHINGTON DC
TO: DISA FT GEORGE G MEADE MD
TO: NAVOCEANO STENNIS SPACE CENTER
TO: NAVOCEANO STENNIS SPACE CENTER MS
TO: COMJSOC FT BRAGG NC
TO: COMUSKOREA INTEL SEOUL KOR
TO: USTRANSCOM J6 OPS AND PLANS SCOTT AFB IL
TO: USTRANSCOM J3 OPS INTEGRATION SCOTT AFB IL
TO: USTRANSCOM J2 WATCH SCOTT AFB IL
TO: USTRANSCOM J2 PLANS AND PROGRAMS SCOTT AFB IL
TO: USTRANSCOM J2 JOINT INTEL OPS CTR SCOTT AFB IL
TO: USTRANSCOM J2 CURRENT INTEL SCOTT AFB IL
TO: CDR USTRANSCOM INTEL CELL SCOTT AFB IL
TO: CDR USTRANSCOM SCOTT AFB IL
TO: USSTRATCOM JIOC OFFUTT AFB NE
TO: USSTRATCOM JIC OFFUTT AFB NE
TO: USSTRATCOM J5 PLANS AND POLICY OFFUTT AFB NE
TO: USSTRATCOM J4 LOGISTICS OFFUTT AFB NE
TO: USSTRATCOM J35 OPERATIONS PLANS DIV OFFUTT AFB NE
TO: USSTRATCOM J33 CURRENT OPERATIONS DIV OFFUTT AFB NE
TO: USSTRATCOM J3 DIR GLOBAL OPS OFFUTT AFB NE
TO: USSTRATCOM INTEL DIRECTORATE OFFUTT AFB NE
TO: USSTRATCOM INTEL DIRECTORATE OFFUTT AFB
TO: HQ USSTRATCOM OFFUTT AFB NE
TO: USSTRATCOM J2 SJ 45
TO: CDR USSTRATCOM OFFUTT AFB NE
TO: HQ USSPACECOM COLORADO SPRINGS CO
TO: USSOCOM J5 STRATEGY PLANS AND POLICY MACDILL AFB FL
TO: USSOCOM J4 LOGISTICS MACDILL AFB FL
TO: USSOCOM J3 OPERATIONS DIRECTORATE MACDILL AFB FL
TO: USSOCOM INTEL MACDILL AFB FL
TO: USSOCOM J2 INTEL MACDILL AFB FL
TO: HQ USSOCOM CMD CTR MACDILL AFB FL
TO: HQ USSOCOM MACDILL AFB FL
TO: CDR SOCOM MACDILL AFB FL
TO: HQ USSOUTHCOM J2 MIAMI FL
TO: HQ USSOUTHCOM MIAMI FL
TO: CDR USSOUTHCOM MIAMI FL
TO: JICPAC HONOLULU HI
TO: HQ PACAF HICKAM AFB HI
TO: PACOM JIOC HONOLULU HI
TO: HQ USPACOM
TO: HQ USPACOM J2

TO: HQ USPACOM J3
TO: HQ USPACOM J4
TO: HQ USPACOM J5
TO: HQ USPACOM J6
TO: HQ USPACOM JOC
TO: HQ NORAD USNORTHCOM INTEL PETERSON AFB CO
TO: HQ NORAD USNORTHCOM J2X PETERSON AFB CO
TO: HQ NORAD PETERSON AFB CO
TO: HQ USNORTHCOM
TO: HQ NORAD-USNORTHCOM J2 PETERSON AFB CO
TO: USNORTHCOM J3 PETERSON AFB CO
TO: JAC MOLESWORTH RAF MOLESWORTH UK
TO: USEUCOM JIC VAIHINGEN GE
TO: HQ USEUCOM VAIHINGEN GE
TO: CDR USEUCOM J2 DIRECTORATE VAIHINGEN GE
TO: CDR USEUCOM INTEL VAIHINGEN GE
TO: USCYBERCOM FT GEORGE G MEADE MD
TO: CDR USCENTCOM MACDILL AFB FL
TO: USCENTCOM INTEL CEN MACDILL AFB FL
TO: USCENTCOM CCJ2 MACDILL AFB FL
TO: JICCENT MACDILL AFB FL
TO: HQ USCENTCOM MACDILL AFB FL
TO: HQ AFRICOM STUTTGART GE
TO: CDR USAFRICOM J2 STUTTGART GE
TO: CDR USAFRICOM STUTTGART GE
TO: CDR USAFRICOM J3 STUTTGART GE
TO: CDR USAFRICOM J4 STUTTGART GE
TO: CDR USAFRICOM JOC OPS STUTTGART GE
TO: HQ ACC CMD CENTER LANGLEY AFB VA
TO: HQ ACC OPS CENTER LANGLEY AFB VA
TO: GDFW INTEL GOODFELLOW AFB TX
TO: AERONAUTICAL INFORMATION SERVICE - AIR FORCE
TO: AFFTC INTEL EDWARDS AFB CA
TO: HQ AFSOC M3 FPSCO HURLBURT FLD FL
TO: AFSOC HURLBURT FLD FL
TO: HQ AETC CMD CENTER RANDOLPH AFB TX
TO: HQDA ARMY STAFF WASHINGTON DC
TO: HQ INSCOM G2X FT BELVOIR VA
TO: DA WASHINGTON DC
TO: CDRINSCOM FT BELVOIR VA
TO: CDRINSCOMIOC FT BELVOIR VA
TO: CDR160THSOAR FT CAMPBELL KY
TO: CNO WASHINGTON DC
TO: COMMANDER MARITIME FORCES
TO: MARITIME ADMIN WASHINGTON DC
TO: COMNAVSPECWARCOM CORONADO CA
TO: COMNAVAIRPAC SAN DIEGO CA
TO: COMNAVAIRFOR SAN DIEGO CA
TO: HQ MARCOM
TO: MARCORINTACT QUANTICO VA
TO: CMC WASHINGTON DC
TO: COMMARFORPAC AVIATION
TO: HQ MARSOC M3 FPSCO CAMP LEJEUNE NC
TO: HQ AFSPC A30 PETERSON AFB CO

TO: HQ AFSPC INTEL PETERSON AFB CO
TO: COMDT COGARD WASHINGTON DC
TO: COGARD INTELCOORDCEN WASHINGTON DC
TO: JOINT STAFF WASHINGTON DC
TO: JOINT STAFF J2 WASHINGTON DC
TO: JOINT STAFF DJ2 WASHINGTON DC
TO: JOINT STAFF J2T WASHINGTON DC
TO: JOINT STAFF J3 WASHINGTON DC
TO: JOINT STAFF DJ3 WASHINGTON DC
TO: JOINT STAFF J3 DEP-DIR ISR WASHINGTON DC
TO: JOINT STAFF J4 WASHINGTON DC
TO: JOINT STAFF J4 OFFICE OF THE DIRECTOR WASHINGTON DC
TO: JOINT STAFF J5 WASHINGTON DC
TO: JOINT STAFF DJ5 WASHINGTON DC
TO: JOINT STAFF NORAD-USNORTHCOM LNO WASHINGTON DC
TO: JOINT STAFF USTRANSCOM LNO WASHINGTON DC
TO: SECDEF WASHINGTON DC
TO: HQ USAF WASHINGTON DC
TO: HQ USAF BOLLING AFB DC
TO: HQ AIR MOBILITY GROUP
TO: AMC INTEL CEN SCOTT AFB IL

Rich Text Body:

SUBJECT: (U) Notification of Proposed Termination of Foundation GEOINT Hardcopy Print Production in accordance with the National System for Geospatial intelligence (NSG) Instruction (NSGI) 1501 Process.

REFERENCES:

- A. (U) NSGI 1501: Termination or Substantive Change of Geospatial Intelligence (GEOINT) Products and Services, dated 6 April 2023
- B. (U) JROCM 154-13, Hardcopy and Media Transition DOTmLPF-P Change Recommendation, dated 2 October 2013
- C. (U) NSG Foundation GEOINT Intelligence Mission Data Plan, dated 23 April 2025

ANNOUNCEMENT: (U) This message serves as official notification to the NSG and Allied System for Geospatial-Intelligence (ASG) that the National Geospatial-Intelligence Agency (NGA) will transition all DoD/IC Foundation GEOINT data, services, and product delivery to electronic-only formats by 30 September 2032. NGA is transitioning to an artificial intelligence (AI) enabled, data-centric Foundation GEOINT model to support evolving DoD warfighting capabilities. The new Foundation GEOINT model will terminate NGA's hardcopy (printed) Foundation GEOINT product dissemination, enabling more agile and Foundation GEOINT data, services, and product delivery, including user printable products in digital versions.

PROGRAM DESCRIPTION: (U) The NGA Foundation GEOINT Hardcopy Print Enterprise provides print and replication services for mapping, charting, and geodesy products. NGA partners with Defense Logistics Agency (DLA) Aviation Mapping Customer Operations to fulfill DoD Military Service, Combatant Command (CCMD), and US Government Agency requests for hardcopy maps and charts.

(U) DoD FLIP provides mission planners and aviators with critical aeronautical safety-of-navigation information in both hardcopy and electronic formats. Additionally, NGA prints select FAA publications for DoD use, which are distributed by the Defense Logistics Agency (DLA). The following hardcopy products will be impacted:

- DoD FLIP IFR Enroute Charts (OCONUS)
- DoD FLIP Enroute, US IFR, and US VFR Supplements
- DoD FLIP Terminal Books
- DoD FLIP Flight Information Handbook
- FAA IFR Enroute Charts (CONUS)
- FAA Sectional Charts
- FAA Terminal Area Charts
- FAA Helicopter Charts
- FAA Chart Supplements
- FAA Terminal Books
- NavCanada FLIP

(U) CONUS Military Installation Maps (MIMs), 1:25K and 1:50K scale, is a mosaic of one or more standard series 1:50K scale Topographic Maps overprinted with small arms and artillery impact areas, training areas, and ranges.

(U) Evasion Charts (EVC) are specialized charts designed to assist isolated personnel in evading evade capture and surviving in hostile territory. They are printed on waterproof material and cover various custom footprints from 1:300K to as small as 1:100K scale.

(U) Other remaining DoD Military Service, Combatant Command, and US Government Agency required hardcopy production can be found in the NSG Foundation GEOINT Intelligence Mission Data Plan (IMDP), located at https://intellipedia.intelink.ic.gov/wiki/Foundation_GEOINT_IMD_Plan.

JUSTIFICATION: (U) Secretary of Defense fiscal guidance resulted in evaluation of all hardcopy printed products and emphasized digital transformation across all Foundation GEOINT domains. Digital delivery of Foundation GEOINT products also accomplishes JROCM 154-13 action item three, recommending the Military Services, CCMDs, and Combat Support Agencies (CSAs) transition to a digital environment by FY2019. Lastly, this effort supports the Undersecretary of Defense for Personnel and Readiness (USD(P&R)) Directive-Type Memorandum to establish a DoD directive on aeronautical safety of navigation.

IMPACT: (U) Users will need to migrate from hardcopy FLIP to electronic FLIP no later than 30 September 2027, CONUS MIM no later than 30 September 2028, and EVCs/all remaining aeronautical, maritime, geographic, topographic, and geomatics products no later than 30 September 2032.

(U) Additionally, with the transition to electronic-only distribution, the following publications will be discontinued as they will no longer be required:

- FLIP Enroute Change Notices (ECN)
- FLIP Terminal Change Notices (TCN)

MITIGATION: (U) This transition will occur in three phases, with staggered transition milestones in 2027, 2028, and 2032. NGA is seeking NSG/ASG community collaboration in developing a detailed transition plan supporting NSG/ASG community operational needs. The hardcopy (print) termination date for all NGA Foundation GEOINT production will be 30 September 2032.

- Phase 1: (U) Phase 1 transition includes DoD Flight Information Publication (FLIP) printing and replication cessation, including Federal Aviation Administration (FAA) publications for DoD use, no later than 30 September 2027.
- Phase 2: (U) Phase 2 transition includes 1:25K and 1:50K scale CONUS Military Installation Map (MIM) printing and replication cessation no later than 30 September 2028.

- Phase 3: (U) Phase 3 transition includes Evasion Chart (EVC) and all remaining aeronautical, maritime, geographic, topographic, and geomatics production cessation no later than 30 September 2032.

(U) Phase 1 mitigation strategies will be developed by the Aeronautical Navigation Print Reduction Working Group (ANPRWG), a task-oriented WG chartered under the authority of the DoD Aeronautical Navigation Steering Group (ANSG). This WG will consist of Military Service, CCMD, NGA, and DLA O6/GS-15 members and will assess service requirements for hardcopy FLIP, recommend joint service policy on electronic publication use, share implementation best practices, and establish minimum hardcopy FLIP requirements through recommended courses of action for ANSG approval no later than 1 October 2025. Requests for participants will be communicated through the Joint Staff Action Process.

(U) All aeronautical, maritime, geographic, topographic, and geomatics production from phases 1-3 will remain available in electronic format (PDF, GeoPDF, or other DISR-approved file formats found in the FG IMDP) through:

- Network access: NIPR, SIPR, JWICS via the NGA GLOBE/Map of the World
- WWW via the NGA Aeronautical Content Exploitation System (ACES)
- DoD Aeronautical Mobile Application
- FLIP DVD (NRN PLANXCDDVDFLIP, NSN 7644015335389)
- Aeronautical Mobile Application DVD (NRN PLANDAEROAPPIPA, NSN 7644016004225)

(U) Users currently receiving hardcopy FLIP publications can arrange for automatic distribution of the FLIP DVD through the DLA.

FEEDBACK: (U) Please provide comments/concerns for all phases to POCs below by 11 July 2025. This information will assist in addressing any remaining hardcopy requirements while supporting the overall transition to electronic-only format according to the proposed phased timelines.

(U) For Phase 1 specifically, NGA requests that users requiring hardcopy FLIP beyond 30 September 2027 provide the following information through their chain of command, to be consolidated at the 3-Star General Officer/Flag Officer (or SES equivalent) level:

1. Detailed justification, including anticipated mission impacts, why electronic-only access to FLIP (including tablet-based Electronic Flight Bags/Electronic Knee Boards) would be insufficient;
2. Projected timeline for continued hardcopy requirements;
3. Specific products still required in hardcopy format;
4. Proposed mitigations that could facilitate transition from hardcopy to electronic FLIP

(U) For Phases 2 and 3, NGA requests that users requiring hardcopy MIM, EVC, or other Foundation GEOINT products beyond 30 September 2028 and 2032, respectively, provide the following information through their chain of command, to be consolidated at the appropriate level for your concern (O6/GS-15 or GO/FO/SES):

1. Detailed justification, including anticipated mission impacts, why electronic-only access to the affected Foundation GEOINT products would be insufficient;
 2. Projected timeline for continued hardcopy requirements;
 3. Specific products still required in hardcopy format;
- Proposed mitigations that could facilitate transition from hardcopy to electronic product delivery

(U) Please provide comments/concerns to all POCs below by 11 July 2025. This information will assist in addressing any remaining hardcopy requirements while supporting the overall transition to electronic-only format.

POINTS OF CONTACT: (U) For all phases, please refer to contacts from the NGA GEOINT Information Group. For Phase 1, please refer to contacts from both the NGA GEOINT Information Group and NGA Office of Aeronautical Navigation. The below NIPR and JWICS email addresses and phone numbers will contact the entire Print Enterprise 1501 team.

JWICS: NGA_PrintEnterprise_1501@coe.ic.gov
NIPR: NGA_PrintEnterprise_1501@nga.mil
COMM: 314-676-9144
DSN: 846-9144
Secure: 577-4947

NGA GEOINT Information Group (NGA/ST):
Herman "Wayne" Dick, Marqus Mancuso, Stephen Mills, and Janelle Grieshaber

NGA Aeronautical Navigation Office (NGA/SFA):
Cameron Korrekt, Daniel Walford, Col Michael Vyn, and Paul Brawley

NGA Office of Geography (NGA/SFG):
Mark Wayne, Robert "Patrick" McCann, Barbara Mayer, Greg Guckes

NGA Maritime Navigation Office (NGA/SFH):
Mark Opdyke, Chad Schoene, Keith Dominic, CAPT Dwight Smith Jr, and Derek Fernon

NGA Office of Geomatics (NGA/SFN):
David Bidinger, Rachel Garrison, Cathleen Williamson, and Elizabeth Koenig

GEOCOM Analysis and Production Subcommittee (GAPSCOM):
JWICS: GAPSCOM@coe.ic.gov
NIPR: GAPSCOM@nga.mil
COMM: 571-558-3761
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