

1 Chapter 8

2
3 National Ground Intelligence Center (NGIC)

4
5 Introduction

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7 The NGIC, located in Charlottesville, VA, is a major subordinate command of
8 INSCOM and is the Defense center of excellence for ground force production. It provides
9 scientific and technical intelligence (S&TI) and general military intelligence (GMI) on
10 foreign ground forces in support of the warfighting commanders, force and material
11 developers, DA, DOD, and National-level decisionmakers. The NGIC also manages the
12 Army's Foreign Material Exploitation Program and foreign material acquisition
13 requirements and constitutes a single authoritative source for comprehensive ground
14 forces threat to the Army and other services.

Production of ground forces intelligence in support of force and material
developers, operational forces and DA/DoD and National level decisionmakers

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16 Mission

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18 In addition to supporting S&TI and GMI requirements NGIC also provides
19 Secondary Imagery Dissemination System (SIDS) and other imagery intelligence support
20 to Army training, exercises and contingency planning. It has DoD production
21 responsibility for maintaining the ground order of battle on twelve of the former Soviet
22 republics; and is responsible for the execution of the Army foreign material and acquisition
23 and exploitation program. During crisis or war, NGIC capabilities are used to reinforce
24 theater JICs and combatants. Major production mission areas are:

25
26 Integrated Data Base Production. The NGIC has shared production
27 program (SPP) responsibility for the maintenance of the DoD Integrated Data Base (IDB)
28 ground order of battle for the Former Soviet Union (FSU), less the three Baltic States.
29 Major customers include CIA, DoD and OSD policy makers and planners; the CINC of
30 the unified commands, DA Concepts Analysis Agency, Training and Doctrine Command
31 (TRADOC) and other services.

32
33 Ground Force Assessments. NGIC supports Army and DoD force
34 planners, war gamers, doctrinal developers and systems acquisition program managers
35 with a wide range of current and futures oriented ground capabilities assessments. Key
36 products and production programs include order of battle and TOEs for foreign ground
37 forces, current and projected out 20 years; detailed, integrated assessments of current and
38 future tactical/operational capabilities; conflict scenarios; and forecasts of future regions of
39 conflict of interest to US force planners. NGIC is the only national production center that
40 provides detailed (Division and below) and integrated (S&TI with GMI) assessments of
41 foreign ground force tactical and operational capabilities as reflected in current and
42 projected equipment, technologies, tactics, training and exercise. Major customers include

1 Army Material Command (AMC), Forces Command (FORSCOM), DA DCSOPS, DA
2 Concepts Analysis Agency (CAA) , Unified Command planners and theater Army
3 components.
4

5 Ground Force Systems and Technologies. The NGIC has DoD-wide
6 responsibility for the exploitation, analysis and production of system capabilities and
7 parametric data for all foreign ground and ground related systems, to include helicopters,
8 AAA air defense, infantry, armor/anti-armor, fire support, engineer, mines and C3
9 systems. The NGIC also produces assessments of ground system trends and projections
10 as well as analyses of foreign research, development, test, evaluation (RDT&E) and
11 production of systems and technologies used by ground forces. This includes production
12 of intelligence based on scientific research and discovery with applications for ground
13 combat and ground force operations to include microelectronics, lasers and electro-optics,
14 night vision, foreign computer science and information technologies, electronic warfare,
15 physics, applied mathematics, chemical, propulsion and explosives technologies and
16 associated foreign technology bases. Major customers include AMC, TRADOC, USN,
17 USAF and USMC force developers, OSD/DoD and national policy makers.
18

19 Foreign Material Acquisition and Exploitation. NGIC is the Army's
20 executive agent for acquisition and exploitation of foreign ground systems as part of the
21 DoD Foreign Material Acquisitions and Exploitation Program. The NGIC works closely
22 with the Army and DoD customers to establish acquisition and exploitation priorities; with
23 collectors to obtain high priority items; and with Army and DoD RDT&E communities to
24 exploit foreign threat systems to better assess strengths, vulnerabilities and possible
25 technology/system improvements for US systems. Major customers include AMC, USN,
26 USAF and USMC RDT&E community and OSD/DoD policy makers.
27

28 Support to Training and Exercises. In support of the Army's "Train as
29 you Fight" doctrine, NGIC provides 20-hour per day/ 7 day a week imagery support to
30 FORSCOM and Army Special Operations Command (ARSOC) elements deployed to the
31 National Training Center (NTC) in Fort Irwin, CA and to the Joint Readiness Training
32 Center (JRTC) in Fort Polk, LA as well as to multiple Corps and Divisions exercises.
33 NGIC support focuses on tactical exploitation of national imagery capabilities and includes
34 pre-deployment training both at NGIC and the unit. During actual exercise of CTC
35 rotations, NGIC provides SIDS imagery to the units and/or training centers. NGIC also
36 provides hardcopy and softcopy target imagery in support of contingency and pre-
37 deployment planning. Major customers includes FORSCOM and ARSOC.
38

39 NGIC Reinforcing Support to Operational Forces. During crisis or war, NGIC all
40 source, imagery, general military, scientific and technical capabilities will be tailored to
41 focus on opposing forces ground capabilities (tactics, doctrine, systems and equipment) on
42 a 24 hour a day, 7 day a week basis. On order, NGIC capabilities will be used to reinforce
43 the Theater Joint Intelligence Center in supporting Joint Task Force and/or ground
44 component intelligence requirements. NGIC personnel are also available to augment the
45 ground team of the National Military Joint Intelligence Center (NMJIC).

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Command Relationships

Command Relationships. NGIC is a Major Subordinate Command of INSCOM, which exercises administrative control (ADCON). Operational control of NGIC resides with the Office of the Deputy Chief of Staff for Intelligence (ODCSINT), Department of the Army. DOD directives provide for the implementation of the Ground Intelligence Program and specifically authorizes the Director, Defense Intelligence Agency (DIA) to assign tasks and issue instructions and guidance to DoD components as necessary to execute assigned functions and delegated production under the auspices of the Department of Defense Intelligence Production Program (DoDIPP). The Commander, NGIC is authorized direct contact with the following agencies, commands, and activities:

(1) DCSINT, HQ DA for Foreign Intelligence to provide threat support and receive taskings; other Army staff agencies and MACOMs for coordination of support, administration and operational matters related to the production and dissemination of Ground Intelligence productions within the Army.

(2) Director DIA on matters of intelligence production and dissemination within the framework of responsibilities delegated to DIA and HQDA to NGIC.

(3) USN, USAF and USMC staffs and intelligence productions centers, as necessary to address matters relating to the NGIC intelligence and production dissemination mission.

(4) The National Security Agency (NSA) and DoD-DoD agencies such as the CIA, the State Department, FBI, DEA U.S. Customs and Department of Energy for matters relating to the production and estimation of intelligence products.

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Organization and Missions

31 NGIC is organized into the Office of the Commander, Office of Chief of Staff,
32 seven directorates.

33 The Office of the Commander provides the Commander the appropriate personal,
34 administrative, and policy support required to facilitate execution of command. The Office
35 of the Commander consists of the Command Group (Commander, Deputy Commander,
36 Executive Officer, Sergeant Major), Chief Scientist, Senior General Military Intelligence
37 Officer, Headquarters Company, Equal Employment Opportunity Office, Program
38 Analysis and Evaluation, and Re-enlistment Office.

39 The Office of the Chief of Staff provides NGIC with the Command Group
40 organization and services typical in a Brigade size military organization. The Office of the
41 Chief of Staff consists of the Chief of Staff with five offices (S1-Personnel, S2-Security,

1 S3-Operations, S4-Logistics, and Resource Management) and the Technology Integration
2 Laboratory.

3 Forces Directorate. Forces Directorate's mission is to provide warfighters, senior
4 planners and decision makers with assessments and forecasts on issues relating to how
5 ground forces of foreign regions organize, equip, train, and operate in current and future
6 conventional and unconventional battle environments. Develop methodologies that
7 integrate analysis of foreign technology, systems, force structure, and regional military
8 strategic objectives into trends and forecast products.

9 Directorate consists of five divisions: Former Soviet Union (FSU)/Europe Asia/Americas,
10 Africa/Mideast, Modernization Trends, and Special Research.

11 (1) Former Soviet Union (FSU)/Europe Division. Provide warfighters,
12 senior planners and decision makers with assessments and forecasts on issues relating to
13 intelligence and how ground forces of the FSU and Europe regions organize, equip, train,
14 and operate in current and future conventional and unconventional battle environments.

15 (2) Asia/Americas Division. Provide warfighters, senior planners and
16 decision makers with assessments and forecasts on issues relating to intelligence and how
17 ground forces of the Asia and Americas regions organize, equip, train, and operate in
18 current and future conventional and unconventional battle environments.

19 (3) Africa/Middle East Division. Provide warfighters, senior planners and
20 decision makers with assessments and forecasts on issues relating to intelligence and how
21 ground forces of the Africa and Middle East regions organize, equip, train, and operate in
22 current and future conventional and unconventional battle environments.

23 (4) Modernization Trends Division. Provide warfighters, senior planners
24 and decision makers with intelligence on the modernization capability of foreign ground
25 forces.

26 (5) Special Research Division (SRD). SRD is located at Fort Meade,
27 Maryland. SRD serves as the NGIC and DA all source intelligence element at the NSA
28 for direct support to GMI and S&TI requirements for US ground warfare.

29 Systems Directorate. Systems Directorate's mission is to produce all source S&TI
30 and GMI; identify, characterize, and project assigned ground forces systems and related
31 sciences and technologies.

32 Directorate consists of the Artillery and Aviation, Radar and Air Defense, Maneuver
33 Support, Battlefield Electronics, and Close Combat divisions and the Topical Intelligence
34 Office.

35 (1) Artillery and Aviation Division. Produce all source worldwide,
36 integrated, finished intelligence on current and future foreign artillery, rotary wing, tactical
37 unmanned aerial vehicles (UAV), and light fixed wing aircraft.

1 (2) Radar and Air Defense Division. Produce integrated technical
2 assessments of current and projected capabilities for foreign battlefield Radars, anti-
3 aircraft artillery (AAA) systems, and reconnaissance, surveillance, and target acquisition
4 (RSTA) integrated sensor platforms. Provide electronic intelligence (ELINT) analysis of
5 foreign radar and jamming signals for entry into national data bases.

6 (3) Maneuver Support Division. Produce all source integrated, finished
7 intelligence on current and projected maneuver support systems.

8 (4) Battlefield Electronics Division. Produce all source integrated,
9 finished intelligence on foreign ground forces tactical and operational systems in the
10 functional areas of command and control, communications, electronic warfare, information
11 warfare, and related technologies.

12 (5) Close Combat Division. Produce all source integrated, finished
13 intelligence on current and projected foreign armor and infantry close combat systems.

14 (6) Topical Intelligence Office. Provide general support for the timely
15 production and dissemination of topical intelligence products.

16 Technologies Directorate. Technologies Directorate's mission is to provide
17 timely, accurate, and responsive analysis and projections of the present and future threat of
18 foreign scientific and technical capabilities, accomplishments, vulnerabilities using all
19 source military intelligence, including MASINT and IMINT.

20 Directorate consists of five divisions: Chemical and Nuclear, Military Technologies,
21 Signatures and Countermeasures, Sensor Exploitation, and Technology Assimilation.

22 (1) Chemical and Nuclear Division. Produce accurate and responsive
23 military intelligence regarding the chemical and nuclear warfare capabilities of foreign
24 military forces.

25 (2) Military Technologies Division. Produce timely, quality, all source
26 intelligence assessments of foreign scientific and technological developments having either
27 the potential to threaten US Forces or to enhance US combat capabilities.

28 (3) Signatures and Countermeasures Division. Produce signatures of
29 foreign material in the infrared, radar, and acoustic ranges. Produce all source,
30 worldwide, integrated, finished intelligence on current and projected foreign ground forces
31 that are used as countermeasures to weapon systems.

32 (4) Sensor Exploitation Division. Analyze multisensor image data in order
33 provide key support to S&TI for all ground force weapon systems for force developers.
34 Provide geo-region based, GMI for force developers. Produce digital imagery training
35 keys for TRADOC and USAIC&FH.

1 (5) Technology Assimilation Division. Produce all source worldwide,
2 integrated, finished intelligence on foreign business, diplomatic, and academic travel and
3 activity within the US and selected allied nations which may have an impact on DoD
4 research and development equities, mission, and nonproliferation strategies.

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6 Foreign Material Directorate. Foreign Material Directorate's mission is to execute
7 management of the Army Foreign Material Exploitation (FME) and Foreign Material
8 Acquisition Requirement (FMAR) Programs. Manage NGIC's multidisciplinary collection
9 requirements program in support of worldwide integrated intelligence production.

10 Produce scale models in support of the Army Signature Program

11

12 Directorate consists of four divisions: Foreign Material Acquisition, Foreign Material
13 Exploitation, Material Operations, and Collection Requirements.

14 (1) Foreign Materials Acquisition Division. Manage the acquisition
15 requirements for foreign material required to produce intelligence in support of the
16 operational commanders, material and force developers, and National level decision
17 makers.

18 (2) Foreign Material Exploitation Division. Implement and administer the
19 Army Foreign Material Exploitation Program (FMEP). Manage exploitation of foreign
20 material to produce S&TI and to support operational commanders, force and material
21 developers, the research and development community, and National level decision makers.

22
23 (3) Material Operations Division (FOD). The FOD is located at Aberdeen
24 Proving Grounds (APG), Maryland. FOD operates the U.S. FMEP receiving and trans-
25 shipment points. Manages inventories, maintain systems, and support limited on site
26 exploitation. FOD also produces complex scale models of foreign weapon systems in
27 direct support of the Army Signatures Program.

28 (4) Collection Requirements Division. Provide multi-disciplinary
29 collection requirements management in support of worldwide S&TI and military
30 capabilities intelligence production.

31
32 Training and Contingencies Directorate (TAC-D). TAC-D is located in building
33 213, WNY, with the National Imagery and Mapping Agency (NIMA). TAC-D provides
34 national imagery support for Army units and maintains the ground order of battle (GOB)
35 for the FSU under the DoDIPP.

36 TAC-D consists of three divisions: Exercises/Crisis, Military Capabilities, and Technology
37 Services.

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1 (1) Exercises/Crisis Division. Provide exploitation of national imagery to
2 meet Army requirements.

3 (2) Military Capabilities Division. Responsible for the maintenance and
4 continuous update of the GOB units, installations, and faculties in twelve republics of the
5 FSU.

6
7 (3) Technology Services Division. Provide national imagery services
8 common to NGIC and the Army.

9 Information Management (IM) Directorate. IM Directorate manages
10 supporting requirements for library functions, information research, photography, video,
11 presentations, multi-media publishing, and translation services. Plans, acquires, organizes,
12 and disseminates information and storage/retrieval capabilities to satisfy customer
13 requirements.

14 Directorate consists of four divisions: Library Services ,Visual Services, Publishing, and
15 Support Services.

16 (1) Library Services Division. Provide all source S&TI and GMI
17 data information (traditional and electronic) support for NGIC users to include
18 acquisition, indexing, storage, retrieval, research, dissemination, and Web based system
19 services.

20 (2) Visual Services Division. Provide quality visual information in
21 the form of digital and standard photography, digital and analog video support, graphic
22 support to presentations, posters, publication graphics, web graphics, and animation.

23 (3) Publishing Division. Provide NGIC's publishing and foreign
24 language support. Assist in designing and troubleshooting NGIC's publishing process and
25 provide the required editorial, composition, web markup, printing, and production-related
26 software support. Plan and provide NGIC's foreign language support including quick
27 response and detailed technical translation, language training, and foreign document
28 collection and exploitation support.

29 Information Technologies (IT) Directorate. IT's mission is to plan, acquire,
30 develop, install, support, and manage information technology capabilities to satisfy
31 customer requirements.

32 Directorate consists of four divisions: Customer Services, Information Engineering,
33 Information Systems, and Technology Services.

34 (1) Customer Services Division. Manage and operate NGIC Computer
35 and Communications Center and provide daily customer support on automation software
36 and hardware.

1 (2) Information Engineering Division. Plan, engineer, develop, integrate,
2 install, manage, and maintain NGIC information technologies including database software,
3 modeling and simulation software, text processing software, and network planning for
4 current and future NGIC automation architectures.

5 (3) Information Systems Division. Plan, engineer, develop, integrate,
6 install, manage, and maintain NGIC information technologies capabilities including
7 systems software, hardware maintenance and communications for current and future
8 NGIC automation architectures.

9 (4) Technology Services Division. Provide the following automation
10 information systems support with emphasis on customer support to TAC-D, SRD, and
11 APG: computer and network operations, configuration management and hardware
12 maintenance; data and telecommunications; applications development; testing and
13 integration support and overall automated information systems planning, programming,
14 and procurement.

15 Reserve Component Integration

16 Reserve Component Integration. NGIC integrated the RC into its production
17 mission. The integration consists of Drilling Individual Mobilization Augmentee
18 (DIMAs). Individual Mobilization Augmentees (IMAs) and thirteen Strategic (Strat)
19 DIMs. DIMAs and IMAs are assigned to positions within the Directorates.

20 Strat DIMs intelligence production contributions includes:

21 - Intelligence preparation of the battlespace (IPB) imagery products with
22 unclassified Civil Satellite Data in support of the Combined Training Centers (CTC).

23 - In-put into the Land Capabilities Spectrum Model (LCSM) for Sri
24 Lanka, Mongolia, and Afghanistan.

25 - Analytical production responsibility for the Ukraine. Unit is solely
26 tasked with completing the Country Force Assessment (COFA).

27 - Tactical and strategic analysis on selected FSU military forces.

28 - Producing finished intelligence on Spain and Portugal.

29 Strat DIMs support to intelligence production includes:

30 - GMI production for select countries in Africa, Middle East, and Latin
31 America.

32 - Tracking Conventional Forces Europe (CFE) compliance by Russia and
33 the FSU.

- 1 - Operations Other Than War (OOTW) intelligence production to include
- 2 OOTW Battlefield Development Plan for North Korea.
- 3
- 4 - 902d the Army Counterintelligence Center.
- 5
- 6 - Modeling and simulations warfare production and support.
- 7
- 8 - Foreign automated C3 systems intelligence production.
- 9
- 10 - Chemical warfare S&TI production.
- 11
- 12 - Advance manufacturing technology and proliferation intelligence
- 13 production.
- 14
- 15 -- Select foreign armament systems and production.