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INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
GEOGRAPHIC RESEARCH AREA

INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
OFFICE OF CHIEF, GEOGRAPHIC RESEARCH, ORR

I. INTELLIGENCE OBJECTIVES

A. To develop, program and administer through policy direction coordinated efforts in geographic and map research, mapping intelligence, specialized cartographic and graphics production, photo intelligence and interpretation, procurement of geographic and map reference materials and intelligence and the maintenance of a map reference facility in support of CIA and other intelligence agencies.

B. To coordinate and produce geographic, photo and mapping intelligence and technical estimates for appropriate use by the intelligence community.

II. FUNCTIONAL OPERATIONS THAT SUPPORT THE INTELLIGENCE OBJECTIVES OF THE
GEOGRAPHIC RESEARCH AREA

A. Policy formulation and determination for the development, programming and administration of coordinated efforts in geographic research, mapping intelligence, special cartographic and graphics production, photo intelligence and interpretation, procurement of geographic and map intelligence and map reference materials and the maintenance of a map reference service as carried out in the Geography, Cartography, Photo Intelligence and Map Library Divisions in support of CIA's intelligence mission and the appropriate objectives of other intelligence agencies.

B. Advises the Assistant Director on current problems, programs and proposals within the scope of Geographic Area's functions; reports directly to the Assistant Director on the status of operations of the Area; assures that the program of the Geographic Area is properly planned, directed and oriented with the programs of the other two areas of ORR, namely Economic Research and Coordination, and with over-all ORR and CIA programs.

C. As the Department of State's Special Assistant for Maps establishes policy for and substantively directs the Department's Geographic Attache program.

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Security Information

D. Assures that all ORR and CIA directives and other instructions are properly carried out within the four Divisions in the Geographic Area.

E. Examines on a continuing basis the programs, objectives and limitations of other components of the Government undertaking activities of direct interest to the Geographic Area in order that maximum cooperation from these components may be obtained, duplication avoided and coordination fostered; and is responsible for arranging inter-Agency technical conferences and for establishing committees in order to formulate coordinated programs and take concerted action for the geographic, mapping and photo intelligence effort within the Government; the fulfillment of gaps in these fields through the development of coordinated requirements reflecting the priorities of CIA and other intelligence agencies and giving full recognition to current and future collection facilities.

F. Represents CIA or assures representation on several inter-Departmental and ad hoc groups in the fields of interest and responsibility of the Geographic Area.

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- 2 -

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INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
CARTOGRAPHY DIVISION, ORR

I. INTELLIGENCE OBJECTIVES

The intelligence objectives of the Cartography Division are as follows:

A. To provide cartographic and graphic support to finished intelligence production, high-level briefings, administrative functions and covert operations.

B. To establish basic cartographic policies within the Agency and in the IAC intelligence community.

C. To advise high-level officials in CIA in the use of graphics as a briefing media.

D. To assist in the evaluation of foreign cartographic facilities.

E. To assist in determining the collection objectives of the Geographic Attache program as related to foreign cartographic establishments.

F. To develop or procure new cartographic techniques and related equipment; and to advise the IAC intelligence community of their applicability to the general field of intelligence production.

G. To represent the Agency at the several inter-departmental and ad hoc committees related to the field of interest.

II. FUNCTIONAL OPERATIONS THAT SUPPORT THE INTELLIGENCE OBJECTIVES OF THE CARTOGRAPHY DIVISION

A. Policy initiation and implementation. The Division establishes basic cartographic policies and their relationships to over-all CIA objectives by participating in several policy-making committees. It advises high-level officials on the effective use of graphic support in briefing operations both within the Agency and outside. In committee it advises on the foreign map procurement programs of the IAC intelligence community and by representing the Agency it implements the work of several inter-departmental committees concerned with

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Security Information

cartographic and geographic problems. Fitted within the framework of these policies are the long-range programs of map production, the support required for basic and current intelligence production, the coordination of inter-agency mapping programs, the development of new cartographic techniques and procedures, the internal training and career developmental program, and the continually developing program of graphic support to all components of the Agency.

B. Cartographic Compilation. In the Cartography Division, cartographic compilation is assigned on a regional basis, i.e., USSR-Satellites, Far East, and Europe-Africa. All map projects in support of CIA, the Department of State, and other IAC agencies are initiated or assigned within the proper regional compilation branch. In performing these duties initial liaison with officials requesting cartographic aid is made in order to establish the substantive background of the project and the objective and scope of the cartographic support required. After such are established, the Compilation Branch collates the necessary research materials, evaluates their content as to applicability, adds general basic geographic information, and from the several sources compiles a manuscript map. Concurrently, the design and construction specifications are determined along with the preparation of a type order and the map reproduction plan. Several specific checking or editing functions are performed during these operations. The completed manuscript map with type order and construction specifications are forwarded to the Development and Construction Branch for the preparation of color separation plates prior to reproduction.

C. Development and Construction. The manuscript map and its attached specifications are reviewed and assigned to the cartographic drafting operation in the Branch where color-separation plates are drafted according to exact specifications. Upon completion, the color-separation plates are critically checked and returned to the Compilation Branch.

Composing and printing of type and symbols required for the map production is a function of the Development and Construction Branch. This facility is also used in support of requirements from the several components of CIA, other IAC agencies, and some other governmental units.

Special cartographic and certain limited types of graphic requirements not suitable for normal production procedures are handled by a Cartographic Aid Section in the Development and

- 2 -

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Security Information

Construction Branch. By this function the component parts of CIA receive support covering a wide range of special requirements beyond the normal graphic and cartographic support from other components in the Cartography Division.

As a separate function in the Development and Construction Branch, the Cartographic Laboratory furnishes the Division with improved techniques and procedures as applied to modern cartography. It plans, directs, and executes the Division's training program given to new personnel both professional and sub-professional. In this manner, new personnel are initiated in the procedures, techniques, and standards in operation in the Division.

D. Map Editing. All maps produced by the Division are subjected to a critical map editing review prior to release for reproduction. In addition to a data check, the editing function critically reviews each map from the "consumer's" point of view. In this manner, a test is applied to determine whether or not the intended "story is being told" in an adequate manner.

E. Graphics. The Graphics facility in the Cartography Division supports all components of CIA and to a large degree the NSC. Primarily in this manner the top level administration of the Agency receives support in presenting basic concepts in visual aid form. Operations, administration, and producing components of finished intelligence depend on graphic support to strengthen concepts, effectively compare statistical data, and summarize in one visual aid the total result of such intelligence. Visual aid support of this type results primarily from the ability of individual graphic specialists to create a "picture" which points up the primary theme of the intelligence it supports.

F. Special Cartographic Support. Cartographic and graphic support involving all phases of compilation, drafting, and graphic aids are given the Special Center in the Agency. This special Branch, using techniques and procedures common to the rest of the Cartography Division, is unique in that it is a completely self-contained unit performing all phases of the Division's responsibility but on a much reduced scale.

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- 3 -

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INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
GEOGRAPHY DIVISION, ORR

In addition to the intelligence objectives and functions (detailed below) of the regional and functional branches of D/GG, the combination of which are the objectives and functions of the Division, and in addition to the responsibilities and functions common to all organizational elements of ORR, the Geography Division is also responsible for:

A. The coordination of the policy and program of the Chapters IX, National Intelligence Survey.

B. The coordination of the contents, scope and objectives of the Joint Armed Forces Escape and Evasion Geography Program.

C. The production, evaluation and stimulation of the acquisition of geographic, cartologic and mapping intelligence of the whole world--not solely on the USSR and Satellites.

D. As a result of "C" above, to supply such intelligence on the world outside the Soviet Bloc to other parts of the Agency and to other intelligence agencies.

E. Again as a result of "C" above, to give such intelligence support to DD/P operations.

F. To produce the Map Intelligence Review. A periodic publication which contains items of current intelligence in fields of geographic and mapping intelligence.

G. To assist in the professional direction of the Geographic Attache program of the Department of State, and to evaluate the reports of the Geographic Attaches.

H. To effect close coordination and harmony of D/GG policies with those of the Geographic Area, of ORR and of other components of CIA.

I. To advise, assist and participate in the Interdepartmental Ad Hoc and Technical committees on the Antarctic.

J. To advise and participate in as an associate member of the appropriate Panel relating to geography and mapping established by the Department of Defense.

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K. To advise and participate in as deputy member of the Foreign Names Committee of the United States Board on Geographic Names.

INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
REGIONAL BRANCHES, D/GG, ORR

I. INTELLIGENCE OBJECTIVES

It is the responsibility of the regional branches (six in number --USSR, Eastern Europe, Western Europe, Far East and Pacific, Near East and Africa, and Western Hemisphere), in the fields of geographic, cartologic and mapping intelligence, to:

A. Coordinate, where feasible and when necessary, the research and production activities of other government agencies with their own in order to prevent the overlapping of functions and duplication of effort.

B. Evaluate all intelligence in these fields, and determine the accuracy of the reporter.

C. Produce finished intelligence which accurately and specifically supports operational functions.

D. Produce finished intelligence of direct interest to all U. S. planners and analysts in the fields of geographic, cartologic and mapping intelligence.

E. Determine the gaps in intelligence in these fields and to stimulate the acquisition of intelligence by others so that the gaps are filled.

F. Maintain files of raw intelligence and bibliographic leads to such intelligence so that they may be readily utilized in the production of finished intelligence.

II. FUNCTIONAL OPERATIONS THAT SUPPORT THE INTELLIGENCE OBJECTIVES OF THE REGIONAL BRANCHES, D/GG, ORR

In recognition of and in order to carry out the above objectives the regional branches perform the following functions:

A. Coordinate the intelligence activities and products of seven other government agencies that contribute cartologic evaluations and mapping intelligence to Chapters IX of the National Intelligence Survey.

- 2 -

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Security Information

B. Keep abreast of the programs, holdings, capabilities, and deficiencies of other intelligence agencies in these fields in order to determine their utility as sources of information, the value of their products and the possibility of their duplicating the functions of other agencies.

C. Evaluate, on request, raw intelligence produced by this and other agencies.

D. Initiate evaluations of capabilities and of finished intelligence of U. S. and foreign agencies. In contrast to "C" above, evaluations of this type usually appear in the Map Intelligence Review.

E. Produce, on request, geographic intelligence reports as outlined below. These include elements, in varying degrees, from the following fields: geomorphology, climatology, hydrology, location of natural resources, industrial location, ethnology, demography, agriculture and land utilization, urban forms, functions, sites and situations, transportation and communication alignments and networks. The approach to and treatment of these elements is areal and regionalized with emphasis on spatial relationships.

1. Regional Geographic Analyses

Studies with a specific orientation.

(a) Escape and Evasion

(1) Country Studies - These describe large areas, such as countries, SSR's or large regions of the larger countries and are so slanted as to give an evader enough general information to facilitate his unaided escape from the area.

(2) "B" Area Studies - Highly specific and detailed description of a number of carefully selected very small areas where an evader may take refuge and await rescue.

(3) Safe Areas Studies - These include a selection and brief description of a very limited number of areas in a country where an evader may take refuge and await rescue or escape by self-help.

(4) Escape Route Studies - These include a selection and description of routes to be used by an agent evading arrest and seeking escape from a country in which he has been operating.

- 3 -

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Security Information

(b) Penetration

(1) Border Studies - Detailed descriptions of areas of varying width along the land borders of the USSR with recommended points for crossing into the USSR.

(2) Coastal Studies - Detailed description of the coasts of the USSR and other countries with indication of the best small boat landing areas.

(c) Urban Area Analyses

(1) General and Specific Studies - Detailed verbal and cartographic presentations depicting form, functional pattern and spatial relationships within an urban area.

Broad description of large areas or detailed description of small areas to be used in operations for background and for planning. Though these studies are general, they may include specific conclusions and recommendations.

2. Topical Geographic Analyses

(a) Studies with a specific orientation

(1) Paramilitary - These studies locate and describe industries, transport and communication lines and indicate the best points for sabotage and destruction.

(2) Political and Psychological - Location and description of areas where psychological warfare could be waged with possible success.

(3) Countersabotage - Location and description of points in an industrial complex at which countersabotage measures should be taken. These studies are done on a national basis and the ease of sabotage in one area is compared with other areas.

(b) General Studies

(1) General Definitive Studies - These describe an industry, function or installation in relation to its geographic environment.

(2) Research Aids - Studies to be used in furthering the research of others.

- 4 -

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Security Information

F. Initiate the production of reports similar to those in II-E by anticipating a future demand for them.

G. Produce cartologic and mapping intelligence reports to include elements from the following fields: maps, map production and programs, mapping and surveying programs, geodesy and gravimetry.

H. Develop new specialized research techniques in order to accelerate the production of the standard type of intelligence reports and to solve problems arising from new and unusual requests.

I. Determine periodically and systematically gaps in intelligence and formulate requirements designed to fill such gaps. Determination is done generally and in relation to specific research projects.

J. The areal arrangement, categorization and collection of raw intelligence by filing, preparation of annotated base maps, the writing of extracts, abstracts, precis and bibliographic devices to facilitate the preparation of finished intelligence.

INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
TERRITORIAL STUDIES BRANCH, D/GG, ORR

I. INTELLIGENCE OBJECTIVES

A. To procure, analyze and furnish to intelligence consumers information in the form of finished reports, memoranda, materials for map compilation, or orally, on the following subjects, listed in approximate order of current importance.

1. The location, marking and topographic setting of international boundaries.
2. Boundary barricades and fortifications.
3. Boundary administration and security measures.
4. Internal territorial-administrative units of countries, including creation of new units, abolition or alteration of old units, and establishment of new systems of territorial administration.
5. Interpretation of the significance of territorial-administrative changes in terms of population shifts, industrial growth or nationality policies with respect to the Bloc countries.

- 5 -

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Security Information

6. Documentary basis for boundaries, including treaties, protocols and decrees.

7. Boundary and territorial changes, disputes and claims to territory.

8. The political status of countries and dependent areas, including island dependencies.

9. Status and claims to territorial sea and continental shelf.

B. To cooperate with other parts of CIA and other government agencies in the production of these types of intelligence and, where feasible and necessary, to coordinate this type of intelligence production among agencies.

C. Determine the gaps in intelligence in these fields and to stimulate the acquisition of intelligence by others so that the gaps are filled.

D. Maintain files of raw intelligence and bibliographic leads to such intelligence so that they may be readily utilized in the production of finished intelligence.

II. FUNCTIONAL OPERATIONS THAT SUPPORT THE INTELLIGENCE OBJECTIVES OF THE TERRITORIAL STUDIES BRANCH, D/GC, ORR

In implementing the above-stated objectives, the Branch performs the following functions:

A. International boundary information.

1. In support of CIA operations, prepares the portion of the USSR border studies dealing with the description of the boundary, its markings, crossing points, barricades, and boundary administration; and, furnishes materials to D/GC for the preparation of detailed maps for these studies.

2. Initiates and produces a series of more comprehensive studies of USSR boundaries covering the documentary basis, description of the boundary, regional analysis of boundary areas, boundary disputes, and evaluation of boundary maps.

3. Upon request from the State Department, prepares studies of the documentary basis and location of boundaries.

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Security Information

4. Upon request from AMS, ACIC, and other government mapping agencies, and after appropriate consultation with State Department, furnishes information on U.S. policy respecting certain boundaries, territorial descriptions of boundaries, map sources for boundary portrayal and representation of internal boundaries.

5. Initiates and produces studies of selected boundary problem areas. These studies deal with the terrain, economy, ethnic groups and history of boundary claims.

B. Territorial administrative division information.

1. Upon its own initiation and also upon request from other parts of CIA or other agencies, prepares reports on changes in the territorial-administrative divisions of different countries. The principal areas of interest to date have been Communist China, Germany, India, and the countries of southeast Asia.

2. In fulfillment of requirements within CIA, maintains a card index file of current and historical information on all levels of the territorial-administrative structure of the USSR.

3. Upon request from other government agencies, furnishes information on territorial-administrative divisions in all parts of the world.

C. Claims to territory in the Antarctic.

Upon request prepares studies of claims and exploration in the Antarctic.

D. Marginal sea and continental shelf studies.

Initiates and produces reports of current interest on the claims of foreign countries to the marginal sea and continental shelf in relation to their fishing rights and mineral exploitation.

E. Miscellaneous territorial-administrative studies.

Initiates and produces reports of current general intelligence interest regarding boundary and sovereignty changes, recommended map treatment of boundaries, foreign map portrayal of boundaries, and territorial administrative changes. Many of these reports have appeared in the Map Intelligence Review.

- 7 -

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INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
MAP LIBRARY DIVISION, ORR

I. Intelligence Objectives

A. To maintain and develop a comprehensive library providing a current, world-wide coverage of foreign political, economic, sociological and other types of special-subject maps, together with strategic map series, and providing atlases, gazetteers, postal guides, and other related cartographic and geographic volumes for intelligence use in the CIA, and for use in the Department of State (by virtue of the intent of the transfer of the Map Division of the Department of State to the CIA in 1947).

B. To conduct procurement of maps, atlases, gazetteers, postal guides, and other related volumes for intelligence use, that will ensure that the library collection is as consistently current and as broad within its specialized field as is possible.

C. To obtain and distribute, on a continuing basis, for use in the CIA and in the Department of State and other intelligence agencies, the following types of foreign intelligence:

1. Maps and mapping--specific information about: a) individual maps; b) mapping organizations and personnel; c) mapping programs and plans of organizations and countries.

2. Geographic: a) locational data for use in validation and preparation of maps; b) physical data for use in area analysis; c) cultural data, including political and administrative boundary and territorial problem delineations.

3. Photographic: a) information on existence of mapping and related photography; b) information on availability of negatives or prints; c) information on existence of plots; d) information on plans or proposals for the flying of new photography of foreign areas; e) plots, negatives and prints within field of specialized interest.

4. Graphic and Cartographic: a) information on development of new materials, equipment; b) descriptions or brochures on new techniques and procedures.

D. To render 1) a most complete map reference service to the CIA and the Department of State, based upon the holdings of this library and also those of other map libraries of the U. S. Government, and 2) to render a dependable and thorough service, based on the holdings of this library only, to the other members of the intelligence community.

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E. To coordinate Map Library procurement, processing, and service functions with related activities in the other U. S. Government mapping agencies and in the intelligence community, for the purpose of increasing the efficiency, thoroughness, and completeness of these operations and for obtaining their greatest effectiveness in fulfilling the stated intelligence objectives.

II. FUNCTIONAL OPERATIONS THAT SUPPORT THE INTELLIGENCE OBJECTIVES OF MAP LIBRARY DIVISION

A. At Division Level.

1. Gives policy direction to development and maintenance of comprehensive library of maps and related reference materials, in furtherance of Division's intelligence objectives.
2. Supervises and coordinates operations of the three branches of the Division.
3. Effects close coordination and harmony of Division policies with policies of the Geographic Research Area, and of other components of CIA.
4. Prepares outgoing Department of State communications directed to Foreign Service posts, to foreign mapping agencies, and to persons and organizations in this country with whom it is necessary to correspond in connection with procurement of maps of foreign areas.
5. Gives general over-all direction to preparation of requirements for map and geographic intelligence drawn up on the basis of known gaps in research data, for sending to the appropriate Foreign Service Post or to OO/C for forwarding to its field offices.
6. Maintains liaison with other mapping and map library components of the U. S. Government, through conference, through membership in the Graphics Research Coordinating Group, and in serving as Chairman of the Inter-Agency Map Procurement Coordination Committee.
7. The Chief of the Division serves as Deputy Special Assistant for Maps, Department of State, by a) assisting in the direction of procurement program, b) assisting in the supervision of the Geographic Attaches of the Foreign Service, c) initiating action affecting the Geographic Attaches and conferring with Department of State officials in the furtherance of the map procurement program, and d) undertaking periodic special missions in support of the program.

- 2 -

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Security Information

8. The Chief acts as Chairman of meetings of several groups of persons in the Geographic Research Area, in planning the programs and itineraries of the Geographic Attaches.

B. Procurement Branch

1. Compiles requirements (both guide line and specific) for maps and related geographic publications, on the basis of information found in intelligence reports, catalogs, lists and indexes of foreign mapping agencies, and other sources; prepares in coordinated form requirements for maps, related publications, engineer's drawings and aerial photographs, with a view to combine procurement for appropriate U. S. Government mapping agencies, before forwarding the coordinated requirements either to the OO/C field offices for domestic procurement, or to the Geographic Attaches, or Foreign Service posts, for procurement overseas.

2. Collaborates in the preparation of map, geographic, cartographic and photographic intelligence requirements based on known gaps in data needed for research projects currently assigned to the Geographic Research Area, and directs these requirements to the appropriate Foreign Service Posts through St/C or to OO/C for forwarding to its field offices.

3. Furnishes staff support to the Department of State's Special Assistant for Maps in administration and guidance of the Geographic Attache program.

4. Supports the Inter-Agency Map Procurement Program by a) briefing and training Geographic Attaches prior to their departure to the field; b) reviewing incoming procurement correspondence and initiating drafts of outgoing correspondence; c) recommending Geographic Attaches' itineraries, according to current needs; and d) furnishing Attaches with supplies of map materials to use in carrying out the procurement program.

5. Maintains exchange arrangements with foreign mapping agencies through correspondence, want lists and transmittal of material to fulfill commitments.

6. Establishes and maintains liaison with Government agencies in the Washington area to effect procurement.

7. Processes incoming maps, related publications and map intelligence; searches books for special-subject maps contained; arranges for reproductions of maps when necessary; distributes material and information on the basis of requirements.

- 3 -

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Security Information

8. Reviews the map collection in order to refine the holdings and deficiencies.

C. Processing Branch

1. Catalogs completely, by professional library standards, all special-subject maps, map series, atlases, gazetteers, geographic and cartographic volumes on file in the map library; indexes all city targets produced in the AFOIN program.

2. Maintains a) the Map Library card catalogs for maps and publications; b) a catalog of intelligence reports (State, Army, Navy, Air and CIA) from which maps have been processed, indicating report number, title and Map Library call number of each map; c) a union catalog, by author and title, of geographic publications from which maps have been processed, indicating the call number of every map cataloged.

3. Maintains and services a) the Loan Copy collection of special-subject maps, series maps, and maps and texts of the AFOIN Target Program; b) the stock collection of CIA-published maps; c) the duplicate collection for distribution purposes; and d) the Loan Copy collection of books.

4. Through its Collection Section, acts as CIA liaison in ordering maps and map materials from all U.S. Government map publishers; initiates orders for re-stocking on foreign items and domestic non-Government items; initiates requests for re-runs of CIA-published maps and for reproductions of Loan Copy maps; effects liaison between the National Archives and CIA in accomplishing the lamination of maps in the collection, and the lamination of materials held in other offices of CIA.

5. Compiles and issues for distribution an "Acquisitions List for Maps of Foreign Areas" in a weekly "Restricted" series and a less frequent "Secret" series; effects coordination of contributions to the weekly list that are received from seven United States Government participating map libraries; distributes CIA printed map catalog cards for new map acquisitions to offices within CIA, to the Department of State, and to other participating map libraries.

6. Circulates and maintains circulation records of all maps and other map library materials loaned; borrows, for CIA, maps on inter-library loan; borrows, for the Geographic Research Area, books on inter-library loan; works closely with the security office

- 4 -

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Security Information

on misplaced loans of classified material; provides Map Library clearances of persons leaving CIA with the authority to withhold clearance if Map Library loans are outstanding.

7. Takes responsibility for map library liaison with the depositories, involving the forwarding of maps and catalog cards and the briefing of depository personnel on coordination and filing of materials.

8. Maintains contact with other Map Libraries to obtain information, on a continuing basis, about their methods, operations, techniques and systems.

D. Reference Branch

1. Provides guidance and assistance to CIA, the Department of State, IAC agencies, and other government groups in the selection, use, and availability of maps, charts, and related geographic publications.

2. Instructs those presenting proper identification regarding the purpose, scope, and procedures for utilization of map and geographic materials housed in or available through the Map Library.

3. Provides on loan, in accordance with security procedures and regulations, maps and related geographic materials from foreign and domestic sources. This material includes special-subject maps, general coverage maps, topographic series, target charts and mosaics with related textual materials, atlases, gazetteers, glossaries, and other geographic publications.

4. Locates, borrows, and makes loans of maps and charts from other government libraries upon the requests of CIA and Department of State personnel.

5. Provides as gifts, according to security controls thereon, maps and some charts produced by the CIA and its predecessors, by other U. S. Government agencies, by domestic commercial publishers, and by foreign governmental and commercial publishers. This material includes special-subject maps, maps of general coverage, topographic, hydrographic, and aeronautical series, target charts and mosaics with related textual information, atlases, gazetteers, and other available geographic publications.

- 5 -

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Security Information

6. Recommends to the Procurement Branch the procurement of specific maps and related materials.

7. Provides, to the CIA, Department of State, and other Government agencies, information relating to production, holdings, availability and classification of maps, charts, gazetteers, glossaries and related material.

8. Services requests for place-name spellings, designations, and locations by routing requests to the appropriate action center or by taking action according to established procedures, and transmitting resulting information to the requester.

9. Maintains as geographic reference tools a sample file of CIA, State, and OSS map publications, a numerical and regional card catalog of the above-listed map publications with distribution controls thereon, a file of Acquisition Lists, and the several U. S. government agency map catalogs and the AFOIN Target List in which changes and additions are periodically recorded.

10. Maintains security clearance records on persons, outside CIA, who visit the Map Library or make use of classified maps and charts either on a loan or gift basis.

11. Participates in meetings with other components of CIA and other government agencies to plan for efficient and prompt service, acquisition, and use of specific maps and charts.

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- 6 -

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INTELLIGENCE OBJECTIVES AND FUNCTIONS OF THE
PHOTO INTELLIGENCE DIVISION, ORR

I. INTELLIGENCE OBJECTIVES

A. To produce photographic intelligence support and a general working capability in the utilization of photographic information within the Central Intelligence Agency.

B. To devise, produce or obtain new techniques, instruments or materiel for effecting more comprehensive and efficient photographic intelligence operations.

C. To prepare estimates of enemy and allied national capabilities in the fields of photogrammetry and photographic intelligence.

D. To effect employment of all forms of photography and photographic intelligence data to evaluate, verify or refute other types of information received at CIA.

E. To assist other offices within CIA in the preparation, reviewing, and final acceptance of external contracts involving objects or tests of a photographic nature.

F. To provide general training in photographic interpretation, photogrammetry and photographic intelligence in support of all CIA internal training, indoctrination or orientation programs.

G. To directionally stimulate or influence and continuously maintain cognizance of activities, of the military services, other Government Agencies and of commercial organizations, pertaining to photographic intelligence.

H. To represent CIA at conferences, committees, commissions and other meetings which require Agency representation versed in photographic intelligence, photo interpretation, photogrammetry, aerial photography, ground photography, and radar scope photography.

I. To support the Geographic Area in extracting specific photographic interpretation data pertaining to Topographical and Regional Geographic Analyses including elements from the following fields: geomorphology, hydrology, natural resource locations, industrial locations, agriculture and land utilization, urban forms, functions, sites and situations, transportation and communication networks.

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J. To assist in determining the collection objectives of the Geographic Attache Program related to foreign photographic, photogrammetric, and photo intelligence activities and establishments.

II. FUNCTIONAL OPERATIONS THAT SUPPORT THE INTELLIGENCE OBJECTIVES OF THE PHOTO INTELLIGENCE DIVISION.

A. Providing Photographic Intelligence Support. D/GP produces photographic intelligence reports, studies or working papers specifically covering or slanted towards multiple research aspects of the Geographic and Industrial Fields.

1. Geographical Research data of broadest scope is developed covering all physical intelligence aspects of the natural earth surface as observed in or interpretable from the latest available photography. These include delineation and description from photography of the details of the natural and cultural landscapes of such specified areas as border zones, safe areas, escape routes, coastal regions, physiographic provinces, and corridors. Such photographic intelligence reports supply data in varying degrees pertinent to the fields of geomorphology, hydrology, forestry, soil science, vegetation analysis, ecology, climatology, geology, agriculture, and land use.

2. Industrial Research data of broadest scope is developed covering all physical intelligence aspects of the constructions and operations of man on the earth's surface as observed in or interpretable from the latest available photography. These include urban studies and industrial analysis consisting of photographic location, delineation, description, dimensioning, identification of major component parts, identification of major supporting facilities (power, railroads, etc.) and/or estimates of capacity or potential for expansion when so requested. All other constructions or operations of man interpretable from photography of the earth's surface are located and reported upon in comprehensive detail within the limits of time, importance of intelligence requirement and existing capabilities of D/GP.

At the same time that D/GP produces the types of studies or reports indicated, it endeavors to provide the related intelligence analysts elsewhere in ORR and other parts of CIA with a general working capability in the utilization of photographic information where requirements of average difficulty exist. Unusual photographic intelligence problems or those requiring complex technical equipment or advanced skills are assigned without exception to D/GP for solution.

- 2 -

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Security Information

B. Providing New Photographic Intelligence Techniques or Instruments for CIA. D/GP reviews a wide range of CIA problems with the intent to devise, produce or otherwise obtain such new procedures or material as can render more comprehensive and efficient photo intelligence solutions to these problems. These techniques or instruments include all forms of optical-mechanical linkages called plotters or stereometers, photo rectifiers, illumination sources, stereoscopes, comparators, projection devices, image measuring tools, nomographs, counters, keys, manuals, stereograms, calculating devices, anaglyphs, polaroid viewers, and reference scales. These devices are individually examined in relation to CIA's expressed intelligence requirements and available photography, and recommendations are made for new designs, adaptations, and direct procurement. Techniques are being sought and tested for preparation of reconnaissance map manuscripts, shaded relief map manuscripts and sketch maps of limited but important areas imaged in recent reconnaissance or covert photography.

C. Estimates of Foreign National Capabilities in the Fields of Photogrammetry and Photographic Intelligence. D/GP accumulates data as preparation for estimating Soviet Bloc or Allied national capabilities in photogrammetry and photographic intelligence. In addition to or along with its own collections D/GP critically reviews, supplements and assists in the rewrite of external contract derived information regarding Soviet Bloc capabilities in photography, photogrammetry, radio-location devices, and geodesy. Other estimates or reviews are prepared entirely from collective D/GP experience and information collections within CIA. Where possible the estimates of foreign capabilities indicate relative advantages or disadvantages compared with the U. S. and underlines new techniques or instruments which hold most promise for effecting the separate national standings and capabilities.

D. Utilizing Photographic Intelligence Data to Evaluate, Verify or Refute other types of CIA Information. D/GP uses the advantage of photographic intelligence as an A-1 source or filtering mechanism for evaluating other types of information received and under question at CIA.

Examples:

1. Although limited in most cases to old and/or inferior photography, skilled interpretation in D/GP indicates what appears to be multiple duplications and errors in reporting names, numbers and locations of Soviet Bloc plants collectively considered in making industrial estimates.

2. Photography provides a most fruitful source for map evaluations and is often the only means of discovering map errors of major importance for operational and planning purposes.

- 3 -

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Security Information

E. Assisting Other Offices in CIA with External Contracts. D/GP assists, as required, other offices within CIA in preparing, reviewing and finally accepting external contracts involving objects of a photographic nature or for which photographic records and photogrammetric analysis are required to establish the basis for final acceptance.

Examples:

1. Intelligence Collection Cameras or related Photo Devices.
2. Ground Photo Intelligence Collections Programs.
3. Ground Photo Intelligence Handbooks.

F. Providing Training in Photographic Intelligence. D/GP provides limited training in photographic interpretation, photogrammetry and photographic intelligence in support of CIA internal training, indoctrinations and orientation programs. These presentations indicate range, limitations and capabilities of photographic intelligence and are accompanied by examples, sketches, visual aids and questioning period as appropriate.

Examples:

1. ORR Training Program Lectures
2. DD/P Lectures on Ground Photography
3. DD/P Composite Exhibits Program

G. Influencing and Maintaining Cognizance of External Activities in Photographic Intelligence. D/GP maintains active contact with and cognizance of service, government and commercial activities in photographic intelligence, photogrammetry and related fields. D/GP works toward directionally stimulating such service and government activities as it can in order that CIA might profit along with the other activities from new developments in underdeveloped aspects of photo interpretation, eliminations of overlap and recommendations as to which instrument, technique or activity appears best and worthy of most collective support.

Examples:

1. Support Air Force development of long focal length photography.

- 4 -

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Security Information

Examples: (cont'd)

2. Encourage Navy short focal length, low altitude--hi speed photography.
3. Encourage, actively support and review U. S. representative's overseas intelligence ground photography collections program.
4. Encourage more industrial and urban P. I. keys.
5. Encourage more U. S. commercial concerns to enter into production of more and better photo interpretation equipment.

H. Representing CIA at Discussions Involving Photographic Intelligence. D/GP represents CIA at conferences, committees, commissions and at other meetings which require Agency representation versed in the major aspects of photographic intelligence, photo interpretation, photogrammetry, aerial photography, ground photography, radar scope photography and related matters.

I. Providing Specific Photographic Interpretation Details for Geographic Area Requirements. D/GP, in addition to its general photographic intelligence support, provides photographic interpretation details for Geographic Area requirements relating to Topographical and Regional Geographic analyses. These details include elements from the fields of geomorphology, hydrology, natural resource location, industrial location, agriculture, land utilization, urban forms, functions, sites and situations, transportation and communication networks.

J. Assisting with Collection Objectives of the Geographic Attache Program. D/GP assists in determining the collection objectives of the Geographic Attache Program as related to foreign photographic, photogrammetric, and photo intelligence activities and establishments.

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