


1962

US Army Foreign Science and Technology Center Planning Document

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Records Section Copy
Management Branch, PBMO

FOREIGN SCIENCE AND TECHNOLOGY DIVISION

LOCATION:

Supporting staff of the Commanding General, Materiel Development and Logistic Command (MDLC).

GENERAL MISSIONS:

Produces, maintains, and disseminates intelligence to support the CG, MDLC with intelligence in the fields outlined under specific responsibilities; obtains and distributes to elements of the command that intelligence and information produced elsewhere which is needed to support the overall mission of the CG, MDLC.

Under general staff supervision of the Assistant Chief of Staff for Intelligence, DA, produces, maintains, and disseminates intelligence to meet U.S. Army needs and provides intelligence support for the production of Joint, National and International intelligence in the intelligence fields outlined under specific responsibilities.

SPECIFIC RESPONSIBILITIES:

1. In the following fields of interest, produces, maintains, and disseminates intelligence to support Army Research and Development:

- a. Scientific developments leading to applications for developing Army weapons and equipment.
- b. Foreign research and development programs leading to development and manufacture of Army weapons and equipment.
- c. Present status and probable future trends in development of foreign Army weapons and equipment.
- d. Evaluations of the effectiveness of foreign weapons systems and their supporting elements and equipment.

2. As directed by the Assistant Chief of Staff for Intelligence, DA provides intelligence support in its fields of interest for the following:

- a. Army Members to the USIB Committees and Subcommittees
- b. The Department of Army Staff
- c. The Department of Defense
- d. The Joint Staff
- e. Other Army Field Commands and Agencies
- f. Other Members of the Intelligence Community

3. For the Assistant Chief of Staff for Intelligence, DA, coordinates world-wide production programs dealing with the matters shown in paragraph 1.

4. In accordance with needs of the CG, MDLC, obtains and provides to elements of the MDLC information obtained from and intelligence produced by other Army intelligence organizations, the DIA, and other members of the intelligence community on the following fields of interest:

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DOD DIR 5200.10

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a. Area analysis intelligence information covering economics, transportation, telecommunications, environmental, and health and sanitation data.

b. Order of Battle including primarily foreign strategy, doctrine, tactics, and techniques for employment of present weapons and weapons of the future, and the organizations and concepts for operation of logistical units.

CONCEPT OF OPERATIONS:

1. This division will be exclusively responsible for meeting the production needs of the Army in the fields indicated. For meeting requirements outside of the MDLC, it will receive direction from the Assistant Chief of Staff, DA, who it will assist in coordinating world-wide production. Within the MDLC, the Foreign Science and Technology Division (FSTD) will deal directly with other coordinating and supporting staff members and the heads of subordinate commands and agencies to insure that intelligence requirements are met.

2. Although the FSTD is centralized for control and coordination, it will have production capacities at commands where research and development is centralized. Where facilities are scattered, permanent liaison groups will be established with headquarters of the subordinate commands, MDLC. A member of each liaison group will be an official member of the Program Committee chaired by a member of the Programs and Requirements Office, a supporting staff of the head of the division. Permanent members to this committee will be assigned by each production branch. Details of the committee's operation are described in the functions for the Program Requirements Office.

3. Each Research and Development Subordinate Command will have a Project Catalyst consisting of R&D scientists and intelligence analysts. These projects will meet monthly, or more often as events dictate, to exchange ideas, establish more specific terms of reference for intelligence support, and to provide scientific support to intelligence analysts. (This type of positive coordination and exchange of ideas works effectively at the AOMC intelligence organization.)

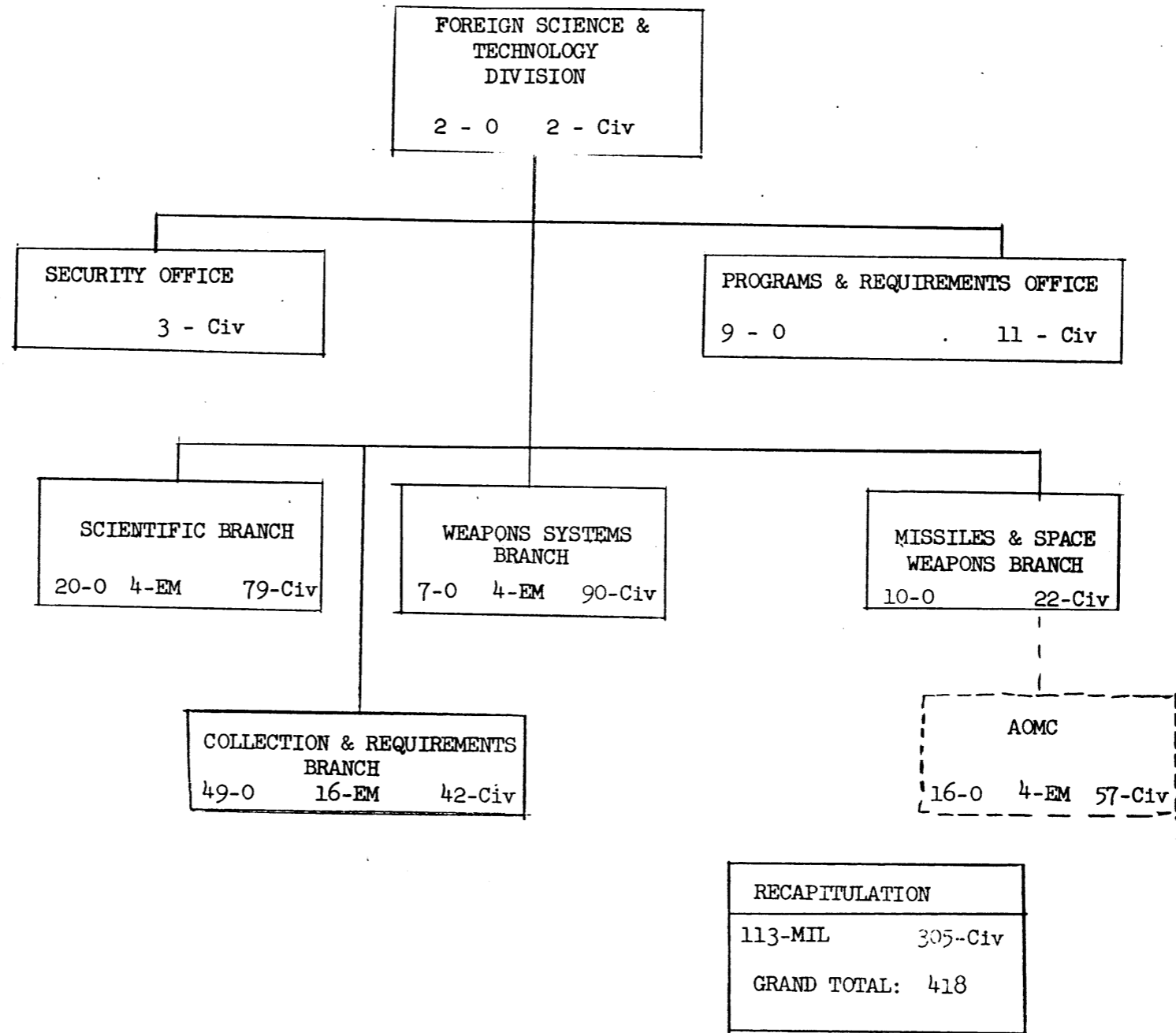
4. Since the FSTD has a dual mission for supporting the CG, MDLC and supporting the Army ACSI with contributions to Joint, National and International intelligence documents, direct communication will be authorized for exchange of requirements and finished intelligence between the ACSI/Army and the FSTD.

RESOURCES AVAILABLE:

Resources available to support the establishment and operation of the FSTD are in Technical Division, OACSI and the technical service intelligence organizations. A breakout by function of production and collection requirements personnel in OACSI and the technical services is shown in the descriptions for each major subordinate element of the FSTD. Overall strength of the proposed division is shown in the chart immediately following this page.

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PROGRAMS AND REQUIREMENTS OFFICE

GENERAL RESPONSIBILITIES:

Develops programs for production of intelligence required by the CG, MDLC, the ACSI, and other DA and DOD Staffs and Agencies; supervises the execution of these programs and presents them to appropriate program-budget advisory committees for financial support; and controls the flow of requirements to and from the production elements.

SPECIFIC RESPONSIBILITIES:

1. Determines consumer requirements, establishes production priorities, and publishes production programs and schedules.
2. Coordinates production programs and schedules with other members of the intelligence community and overseas commands.
3. Maintains information on the status of production and furnishes guidance for changes to programs and schedules.
4. Develops travel programs and maintains such records as are necessary to determine the status of expenditures for travel.
5. Handles all administrative matters charged to the division for arranging outside contracts except the formulation of guidance for substantive treatment and review and approval of the finished product.
6. Develops and maintains a policy file on intelligence matters covering policies of the CG, MDLC and head of the division on internal and external relationships and substantive intelligence conclusions.
7. In coordination with production elements, prepares and maintains a speech and briefing file on all of the above matters and presents them as required.
8. Supervises the activities of field liaison groups.
9. Handles all administrative matters connected with activities of the division's program-budget advisory committee and all other matters listed above including the assignment of projects and review and approval of finished projects.

CONCEPT OF OPERATIONS:

1. This office will take all action necessary to acquire consumer requirements internally and externally. Internally, this will be done through a Programs Committee consisting of representatives of each subordinate element of the MDLC, members of this office, and representatives of each production element. The Programs Committee will meet quarterly, or more often as the situation requires, to insure that all requirements have been placed, that the requirements are valid, and to determine schedule requirements. The Programs and Requirements Office will determine production priorities and be responsible to insure that projects are not being duplicated elsewhere in the intelligence community.

2. External requirements will be reviewed by the division's intelligence production elements and the Programs and Requirements Office for validity and determination as to the capability of the division to meet the requirements, both as to internal capacity to produce and to

determine the availability of information to meet the requirement. The Programs and Requirements Office will be responsible for coordination with other intelligence community producers to prevent duplication of effort. This may be done by direct contact or through Army Members to USIB Committees and Subcommittees.

3. This office will develop and publish all program -budget documents required by higher authority, and present them orally to program-budget committees as required through Army and DOD and before Congress.

4. The Programs and Requirements Office will be the office of official record for all policy matters and will maintain an up-to-date file of all speeches and briefings of significance together with complete sets of training aids. Speeches and briefings will be given by this office on an on-call basis. It will write and publish all speeches and briefings on overall policy matters and on substantive intelligence matters covering activities of more than one producing element, in coordination with those concerned. In this connection, the Programs and Requirements Office is charged with keeping the branch chiefs informed on all policy matters, and clearing all speeches and briefings before they are presented.

MANNING REOURCES:

1. Presently available:

	<u>Professional</u>		<u>Clerical</u>	
	Military	Civilian	Military	Civilian
Technical Division (TIFA)	2	0	0	0
Technical Services:				
Ordnance	2	3	0	3
Engineers	0	1	0	1
Quartermaster	1	3	0	2
Chemical	4	3	1	0
Transportation	1	1	0	1
Signal	<u>1</u>	<u>1</u>	<u>0</u>	<u>1</u>
TOTALS:	11	12	1	8

2. Requirements:

a. For ACSI Staff these will be needed personnel spaces from the following organization:

	<u>Professional</u>		<u>Clerical</u>	
	Military	Civilian	Military	Civilian
Technical Division	1	0	0	0

b. For staffing the Programs and Requirements Office there will be needed personnel spaces in the numbers shown from the following organizations:

	<u>Professional</u>		<u>Clerical</u>	
	Military	Civilian	Military	Civilian
Technical Division	1	0	0	0
Ordnance	2	3	0	3
Engineer	0	1	0	0
Quartermaster	* 2	1	0	2
Chemical	4	0	0	0
Transportation	1	0	0	0
Signal	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>
TOTALS:	* 11	5	0	6

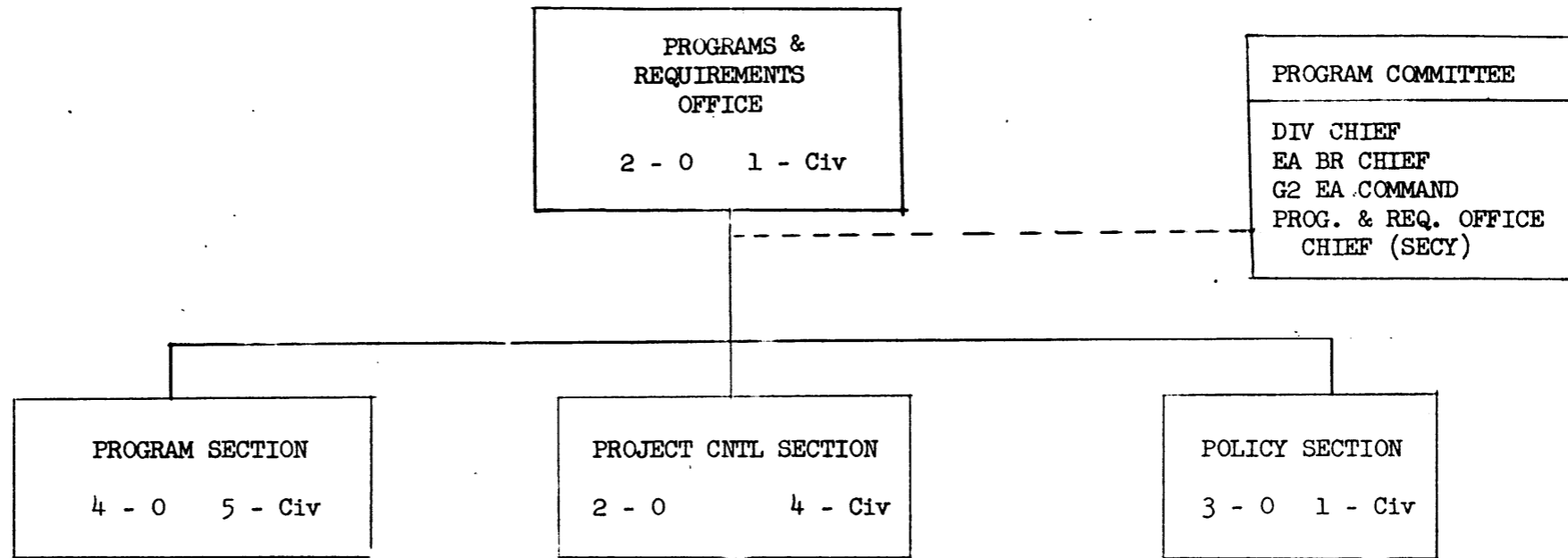
*Would require transfer of 1 civilian space to military.

c. Recapitulation:

- (1) Personnel Spaces Available - 32
- Personnel Spaces Required - 22

(2) Twelve spaces could be converted to those needed by production branches.

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RECAP	12 - 0	10 - Civ
Professional		CLERICAL
MIL.	CIV.	MIL. CIV.
11	5	0 6

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SECURITY OFFICE

GENERAL MISSION:

Maintains security records of personnel assigned to the Foreign Science and Technology Division, determines clearances of visitors and arranges times and dates for meetings and conferences between visitors and branches of the division.

SPECIFIC RESPONSIBILITIES:

1. Initiates requests for security investigations and clearances of personnel assigned to the FSTD.
2. Maintains personnel security files showing clearances granted to personnel of the division.
3. Determines clearances granted to visitors to the command and notifies those visited about the level of security that can be discussed.
4. Accounts for and governs use of security badges by personnel of the division and visitors.

CONCEPT OF OPERATIONS:

This office will handle all matters having to do with personnel clearances of the division, and entrance and exit from the division by visitors. It will prepare all correspondence replying to requests for visits by outside personnel to the division, coordinating with the branches as required. The Security Office will be the point of contact for determining clearances of visitors and verifying clearances of FSTD personnel to other organizations.

The Security Office will obtain security badges for personnel of the division, issue security badges, and account for them. This office will be the custodian of visitor badges and will prepare and enforce all regulations governing their use.

MANNING RESOURCES:

1. Resources Available:

	<u>Professional</u>		<u>Clerical</u>	
	Military	Civilian	Military	Civilian
Technical Division (TIFA)	0	0	0	0
Ordnance	0	1	0	2
Engineers	0	1	0	1
Quartermaster	0	1	0	1
Chemical	0	1	0	1
Transportation	0	1	1	0
Signal	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>
TOTALS::	0	6	1	6

2. For staffing the Security Office there will be needed personnel spaces in the numbers shown and from the organizations listed below:

	<u>Professional</u>		<u>Clerical</u>	
	Military	Civilian	Military	Civilian
Ordnance	0	1	0	1
Engineers	0	1	0	0
Signal	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>
TOTALS:	0	3	0	1

3. Recapitulation:

- a. Personnel Spaces Available - 13
- Personnel Spaces Required - 14

b. Nine (9) personnel spaces could be converted to analyst spaces for use in the production branches.

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SECURITY OFFICE

3 - Civ

- 1 - GS 11 Security Officer
- 1 - GS 9 Asst Security Officer
- 1 - GS 4 Clerk-Typist

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ADMINISTRATIVE SERVICES SUPPORT

1. Administrative functions of the Foreign Science and Technology Division (FSTD) will not exceed those necessary for internal handling of documents and establishing requirements for support.

2. The Supporting Staff of the MDLC is designed to handle administrative support for all other MDLC elements. This support includes installation and services, administration of personnel and training, comptroller activities, transportation, and information services. In establishing these MDLC supporting organizations, the following intelligence support requirements must be considered:

a. Personnel and management problems having to do primarily with procurement of military and civilian personnel and general administration of their records.

b. Budget and fiscal matters covering personnel pay and pay for programs and projects to be done through contracts.

c. Operation of a mail and records unit to include handling of classified material through TOP SECRET level.

d. Provision for reproduction of documents and cartographic support including preparation of visual aids.

e. Operation of a documents library which will have a responsibility for internal and external dissemination of raw information and finished documents.

3. A study was made by the Comptroller of the Army which covers present resources and systems for handling these matters in the technical services and the Technical Intelligence Field Agency (TIFA). A copy of this study is attached at TAB , and is an effective aid in planning this support. Provision of a proposed organization to handle these matters is beyond the scope of this study, since those planning the organization of the supporting staff of the MDLC must consider this intelligence support requirement in light of its effect on the overall support required.

MISSILES AND SPACE WEAPONS BRANCH

General Responsibilities: To produce and coordinate dissemination, on an all-source, world-wide basis, of staff and basic technical intelligence within the Army sphere of interest in the fields of guided missile and space research and development.

Specific Functions:

1. Produce and provide technical intelligence on missiles and space weapons systems to meet the needs of Army estimates, research and development, planning, operations and training.
2. To establish requirements and provide guidance for the technical intelligence collection effort pertaining to guided missiles and space vehicles and to review collection and analysis efforts to insure that these are compatible to Army needs and warrant the expenditures made.
3. To maintain liaison with the Army Staff and designated subordinate commands, other services, appropriate Federal agencies, and industry, so as to exploit all possible sources of information and to maintain a current knowledge of the state-of-the-art in all pertinent fields.
4. To conduct the necessary liaison to insure the proper dissemination and utilization of missile and space intelligence by the Army staff and appropriate commanders.
5. Prepare intelligence related to the threat to the Army or Nation posed by foreign missile or space weapons systems.

Concept of Operations:

The Missiles and Space Weapons Branch will operate in two general echelons. The field echelon, based at Redstone Arsenal and working in close coordination with Army Research and Development facilities, will perform the detailed analysis of data received and will produce the majority of the detailed intelligence relative to foreign missile and space weapons systems. The smaller echelon in MDLC will determine overall policy and meet the immediate requirements placed on the branch by the CG, MDLC and the ACSI.

The separation of functions to avoid duplication of the efforts of Weapons Systems Branch and Scientific Branch is established as follows:

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Missiles and Space Weapons Branch will, in general, be responsible for all missile activities except those which operate on a direct line of sight principle. These will be the responsibility of Weapons Systems Branch.

Missiles and Space Weapons Branch will have responsibility for all non line-of-sight missile systems with the following exceptions:

(1) Components of missile or space weapons systems which are common to other military activities, e.g., trucks, etc., will be the responsibility of Weapons Systems Branch.

(2) Certain individual components of the system e.g., radars, warheads, and composition of fuels etc., will be the responsibility of Scientific Branch.

In the field of space, the responsibility for space weapons systems or space military operational support systems remains with Missiles and Space Weapons Branch. Space activities which are primarily scientific in nature will be the responsibility of Scientific Branch. To further preclude duplication however, Missiles and Space Weapons Branch will monitor the space associated ranges and launch sites and the rockets and boosters utilized in space ventures.

The branch will exercise contract supervision over those contracts associated with missiles and space weapons systems which are placed with such agencies as DOFL, ORO, and SRI and will maintain representation on such contract advisory boards which may be established by the ACSI or the CG, MDLC.

The branch will provide support for the Army member for the Guided Missiles and Astronautics Intelligence Committee (GMAIC) and will provide members of such working groups as required. Membership on other missile and space related boards and committees will be provided as directed.

Direct liaison with the National Photo Interpretation Center will be accomplished by an officer especially assigned for this purpose. Close liaison with Research and Development Agencies will be maintained both by the headquarters echelon of the branch and by the echelon in the field. Of special importance will be the close working relationship established with the missile research and development effort at Redstone Arsenal, at the White Sands Proving Ground and other developmental or testing agencies.

Manning Resources

1. Now available:	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
a. Tech Div (TIFA)	11	5		5
b. USAOTIA	1	10		2
c. USASIA		1		1
d. USAOMC (Msl Intel Office)	19	41		16
TOTAL	31	57		24

2. Requirements for New Organization:

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
a. ACSI Staff	2	1		1
b. Missiles and Space Weapons Branch will require the following from:				

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
(1) Tech Div (TIFA)	9	4		4
(2) USAOTIA	1	10		2
(3) USASIA		1		1
(4) USAOMC(Missile Intel Office)	<u>19</u>	<u>41</u>		<u>16</u>
TOTAL	29	56		23

3. Comparative Totals

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
a. Available	31	57		24
b. Required	31	57		24

MISSILES
AND
SPACE WEAPONS
BRANCH

PERSONNEL
Professional Clerical
Military Civilian Military Civilian
29 56 23
TOTAL: Professional 85
 Clerical 23
 108

HEADQUARTERS
AND
ADMINISTRATIVE

Prof.		Clerical	
Mil	Civ	Mil	Civ
3	2		7

OFFENSIVE
MISSILES
SECTION

Prof.		Clerical	
Mil	Civ		
3	4		

DEFENSIVE
MISSILES
SECTION

Prof.		Clerical	
Mil	Civ		
2	5		

SPECIAL PROJECTS
AND
SPACE
SECTION

Prof.		Clerical	
Mil	Civ		
2	4		

FIELD DETACHMENT
(AOMC)

Prof.		Clerical	
Mil	Civ	Mil	Civ
19	41		16

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GENERAL RESPONSIBILITIES

AND

SPECIFIC FUNCTIONS

HEADQUARTERS AND ADMINISTRATIVE SECTION

General Responsibilities:

To provide the command element of the branch, and to provide programming and such administrative services, including secretarial, as may be required by all sections of the branch.

Specific Functions:

Specific functions are those normally associated with a headquarters and administrative element. Because of its small size, such functions as detailed budgetary control, editing, translation services and reproduction will be accomplished at division level or as directed by CG, MDLC. The functions of the administrative section will therefore be confined primarily to broad programming, secretarial services, and classified document control.

OFFENSIVE MISSILES SECTION

General Responsibilities:

To provide, from all sources, technical intelligence on offensive missiles and offensive missile systems employed or under development by the U.S.S.R. and Communist China.

Specific Functions:

1. To monitor Soviet and Chinese Communist offensive missile systems to include short range (less those that operate on a line-of-sight principle), medium range, intermediate range, and intercontinental range ballistic and cruise-type missiles. While emphasis will be placed on Army-associated missile systems, the monitorship will include both naval and air delivered offensive missiles.
2. To monitor those ranges and launching areas in the U.S.S.R. and Communist China associated with offensive missile systems.
3. To monitor research and development efforts of the U.S.S.R. and Communist China in the field of offensive missiles.

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4. To monitor evidence of operational offensive missile launching sites in the U.S.S.R. and Communist China and to perform continuing analysis to ascertain the presence or absence of such sites.

5. To perform those functions common to all sections as listed under the functions of the branch and in accordance with the concept of operations.

DEFENSIVE MISSILES SECTION

General Responsibilities:

To provide, from all sources, technical intelligence on defensive missiles and defensive missile systems employed or under development in the U.S.S.R. and Communist China.

Specific Functions:

1. To monitor Soviet and Chinese Communist defensive missile systems to include antiaircraft, antimissile, and antisatellite missiles. While emphasis will be placed on Army-associated systems, the monitorship will include both air and naval delivered defensive missiles.

2. To monitor those ranges and launching areas in the U.S.S.R. and Communist China associated with defensive missile systems.

3. To monitor research and development efforts of the U.S.S.R. and Communist China in the field of defensive missiles.

4. To monitor evidence of operational defensive missile launching sites in the U.S.S.R. and Communist China and to perform continuing analysis to ascertain the presence or absence of such sites.

5. To perform those functions common to all sections as listed under the functions of the branch and in accordance with the concept of operations.

SPECIAL PROJECTS AND SPACE SECTION

General Responsibilities:

1. To provide, from all sources, technical intelligence within the Army sphere of influence in the field of space weapons systems.

2. To provide, from all sources, technical intelligence on missile systems employed or under development in the Free World and Soviet Bloc Nations (less the U.S.S.R. and Communist China).

3. To provide intelligence related to the production and employment of foreign missile and space weapons systems and on the present and future threats they pose to the Army or Nation.

Specific Functions:

1. To monitor foreign space weapons systems including those designed for the passive support of military planning or operations. Examples of these types would include reconnaissance or military communications satellites.
2. To monitor ranges, launch sites, and instrumentation facilities associated with space weapons activity.
3. To monitor research and development activities in the field of foreign space weapons systems.
4. To perform detailed analysis of the threats posed by foreign missile and space weapons to the Army or Nation.
5. To monitor the production of foreign missile and space weapons systems to include production sites, production rates and estimated delivery schedules.
6. To monitor the deployment of foreign missile systems (less U.S.S.R. and Communist China).
7. Performs those functions common to all sections as listed under the functions of the branch and in accordance with the concept of operations.

FIELD DETACHMENT

General Responsibilities:

To produce finished intelligence within the Army sphere of interest in the fields of missiles and space weapons systems based on detailed analysis performed from within the resources of the detachment or through the use of technical specialists in associated research and development agencies or industries.

Specific Functions:

1. To provide detailed technical background for the analysis of information concerning foreign missile and space weapons activity and to convert this information into finished intelligence.
2. To maintain close liaison with research and development agencies responsible for U.S. missile development.
3. To perform those functions common to all sections as listed under the functions of the branch and in accordance with the overall concept of operations.

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WEAPONS SYSTEMS BRANCH

General Responsibilities:

Produces finished intelligence from all sources and fact on foreign army weapons systems, foreign army combat and combat support materiel and equipment, except those systems, materiel, equipment, and units of primary interest to Missiles and Space Weapons Division; acts for the Division Chief, as required, in the coordination and supervision of world-wide production of intelligence on matters for which the Division is responsible.

Specific Functions:

1. Produces, reviews, coordinates, and provides technical intelligence covering foreign army weapons, equipment, and weapons systems to support Army research and development, planning, operations, and training.
2. Using the advice and support of the Missiles and Space Weapons Branch and Scientific Branch, prepares projected estimates of future weapons systems and materiel.
3. In coordination with collection elements provides collection guidance, as required, and reviews collection instruments covering fields of responsibility.

Concept of Operation:

Internally, the Conventional Materiel Section, Special Weapons and Equipment Section, and Electro-Magnetic Components Section will prepare intelligence on individual items of foreign army materiel and equipment. This intelligence will include general characteristics and capabilities of each item as well as pertinent facts concerning the components of any particular item of materiel or equipment (e.g. the engine, drive train, suspension system, gun(s), armor, ground pressure, external dimensions, communications system, surveillance system, fire control system, ammunition, toxicity, reliability, accuracy, et al). This intelligence data will be used by Weapons Systems Analysis Section, with TOEs of foreign army units from other sources, to conduct analyses of the capabilities and limitations of foreign army weapons systems. Data on materiel, equipment, weapons systems, and logistical units of foreign armies will be prepared in proper format by individual sections for publication and distribution. Briefings will be prepared as required.

The Branch will coordinate with Research and Development elements in exploiting items of foreign army materiel acquired through any of the collection systems. Data obtained from the exploitation will be put in proper format for publication. No permanent assignment of branch personnel will be made to R & D installations. This branch will establish liaison with R & D and field installations performing exploitation work.

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The Branch will, in the development of projected estimates of future weapons systems, materiel and equipment, and logistical units, rely on the Scientific Branch for assistance in ascertaining foreign R & D trends and future capabilities.

Weapons Systems Branch will cover foreign materiel once it becomes an approved item for use by foreign field army units. This includes line of sight missiles and missiles systems. The research and development programs and prototype equipment being tested for possible inclusion in ground force systems will be covered by Scientific Branch.

Manning Resources:

1. Now Available

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
Tech Div (TIFA)	8*	4	-	3
OTIA	-	17	2	1
TIA	1	5	1	1
QMIA	2	16	-	6
OCE	-	12	-	2
SCIA	-	5	-	-
CCIA	-	2	-	-
Technical Intelligence Agencies (Prog/Mgmt Areas)	-	6	-	4
Technical Intelligence Agencies (Security Areas)	<u>-</u>	<u>3</u>	<u>1</u>	<u>5</u>
TOTALS	11	70	4	22

*Includes 1 British Major, 1 Canadian Captain, and 2 officer spaces from Scientific Branch (1 Electronics; 1 CBR)

2. Requirements for New Organization

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
a. ACSI Staff	4**	1	-	1
b. Weapons Systems Branch requirements from Technical Intelligence Agencies resources				
Tech Div (TIFA)	4	3	-	2
OTIA	-	17	2	1

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	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
TIA	1	5	1	1
QMIA	2	16	-	6
OCE	-	12	-	2
SCIA	-	5	-	-
CCIA	-	2	-	-
Technical Intelligence Agencies (Prog/Mgmt Areas)	-	6	-	4
Technical Intelligence Agencies (Security Areas)	<u>-</u>	<u>3</u>	<u>1</u>	<u>5</u>
TOTALS	7	69	4	21

** Includes 1 British Major and 1 Canadian Captain

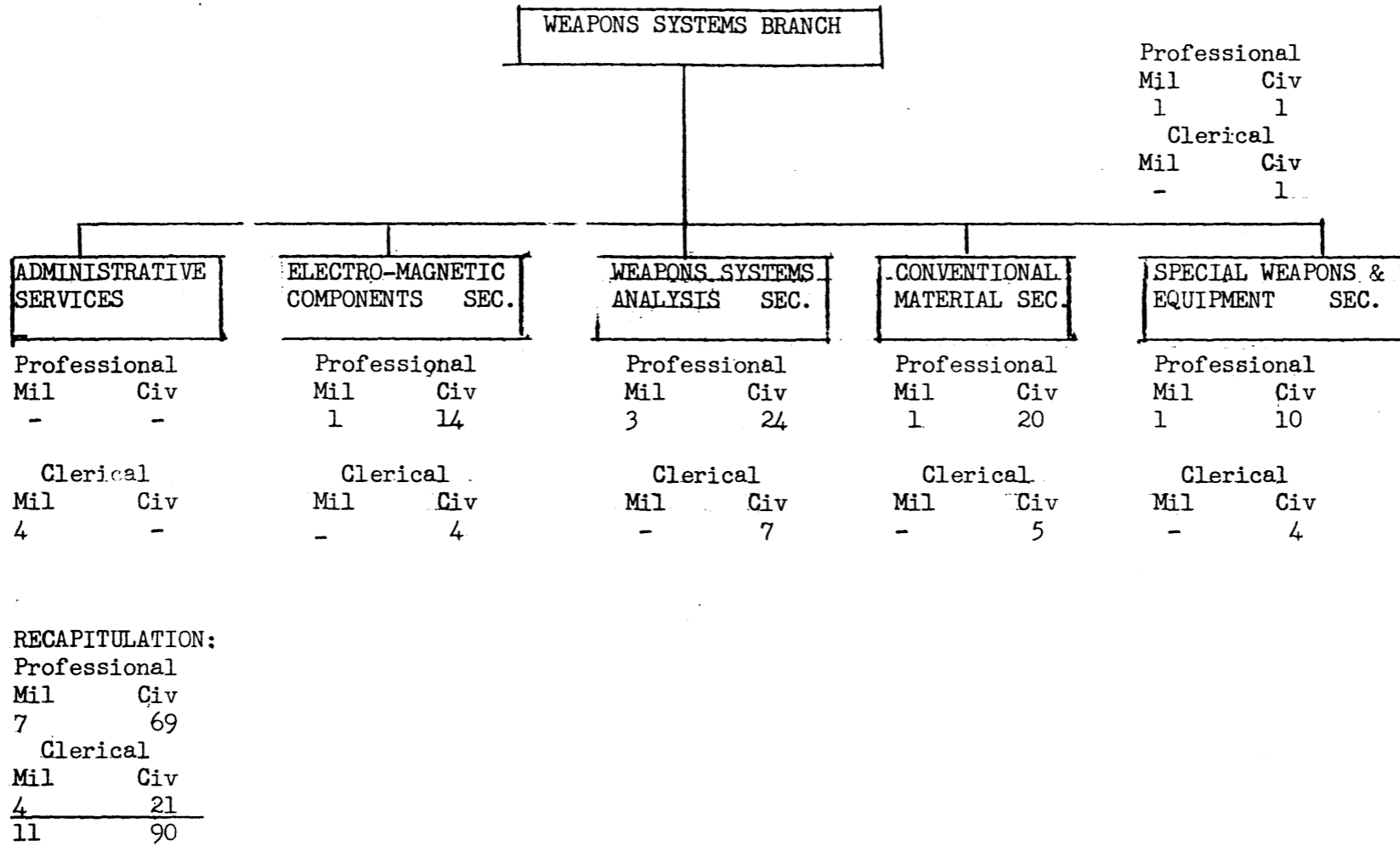
3. Comparative Totals

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
Available	7	69	4	21
Required	7	69	4	21

Comment: To attain an optimum intelligence product from this organization, there should be atleast 30 officers largely from combat arms within the structure. For each combat officer space gained by the organization, a professional civilian space could be released.

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ELECTRONIC-MAGNETIC COMPONENTS SECTION

General Responsibilities:

Produces finished technical intelligence from all sources and fact which pertains to characteristics and capabilities of foreign ground force electro-magnetic components; acts for the Division Chief, as required, in coordinating and supervising world-wide intelligence production on such materiel; forecasts new developments in foreign electro-magnetic materiel from analyses of the impact of technical developments and trends on future components and systems designs.

Specific Functions:

1. Coordinates and produces technical intelligence covering the following electro-magnetic systems and their components:

- a. Communications Systems
- b. Surveillance Systems
- c. Fire Control Systems
- d. Electronic Warfare Systems
- e. Control Systems
- f. Target Acquisition Systems
- g. Fuzes

2. Provides collection guidance in above fields, in coordination with the Scientific Branch and reviews collection instruments prepared for distribution to collectors.

3. Within its fields of interest, exploits items of materiel, evaluates systems, and describes characteristics and capabilities (including strengths and weaknesses) of items and systems.

4. Studies "state-of-art" and developmental trends furnished by other producers and estimates the characteristics and capabilities of future items and systems.

ADMINISTRATIVE SERVICES SECTION

General Responsibilities:

To perform administrative functions common to all elements of the Branch which are not performed by higher echelons than the Branch.

Specific Functions:

1. To supervise and coordinate implementation of security regulations applicable to the Branch.
2. To receive, control, and distribute Top Secret documents into and out of the Branch.
3. To receive and process incoming and outgoing informational media of less than Top Secret classification.
4. To establish project control on intelligence production directed by higher echelon or Branch Chief.
5. To coordinate intelligence production and administrative projects involving more than one Section of the Branch; to process for reproduction intelligence documents prepared within the Branch.
6. 6. To act as an office of record and filing agency for official matters of common interest.
7. To perform such other administrative tasks as the Branch Chief may direct.

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WEAPONS SYSTEMS ANALYSIS SECTION

General Responsibilities:

Produces finished technical intelligence from all sources and fact which pertains to the characteristics and capabilities of foreign ground force conventional and unconventional warfare systems; acts for the Division Chief, as required in coordinating and supervising world-wide intelligence production on such systems; forecasts new developments in foreign ground force conventional and unconventional warfare weapons systems based on technical developments and developmental trends in foreign army materiel and equipment.

Specific Functions:

1. Coordinates and produces technical intelligence covering the following foreign army weapons systems:

- a. Infantry
- b. Artillery
- c. Armored
- d. Airborne
- e. Logistical
- f. Unconventional
 - (1) Biological
 - (2) Chemical
 - (3) Atomic
 - (4) Guerrilla

2. Provides collection guidance in above fields and reviews collection instruments prepared for distribution to collection.

3. Studies developmental trends and estimates the characteristics and capabilities of future foreign army weapons systems.

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SPECIAL WEAPONS AND EQUIPMENT SECTION

General Responsibilities:

Produces finished technical intelligence from all sources and fact which pertains to characteristics and capabilities of foreign army weapons and equipment designed for the conduct of unconventional warfare; acts for the Division Chief, as required, in coordinating and supervising world-wide intelligence production on such weapons and equipment; forecasts new developments in unconventional warfare weapons and equipment based on technological advances and developmental trends.

Specific Functions:

1. Coordinates and produces technical intelligence covering the following categories of special weapons and equipment of foreign armies:
 - a. Biological
 - b. Chemical
 - c. Atomic
 - d. Guerrilla
2. Provides collection guidance in above fields, in coordination with Scientific Branch and Missiles and Space Weapons Branch, and reviews collection instruments prepared for distribution to collectors.
3. Within its fields of interests, exploits items of materiel and describes characteristics and capabilities of such items and components of items.
4. Studies developmental trends and estimates the characteristics and capabilities of future special warfare weapons and equipment.

CONVENTIONAL MATERIEL SECTION

General Responsibilities:

Produces finished technical intelligence from all sources and fact which pertains to characteristics and capabilities of conventional items of foreign army materiel and equipment, excluding those items of primary interest to Missiles and Space Weapons Branch, Scientific Branch, Electro-Magnetic Components Section and Special Weapons and Equipment Section; acts for the Division Chief, as required, in coordinating and supervising world-wide intelligence production on such materiel and equipment; forecasts new developments in conventional items of foreign army materiel and equipment based on technological advances and developmental trends.

Specific Functions:

1. Coordinates and produces technical intelligence covering the following categories of conventional materiel and equipment of foreign armies:
 - a. Infantry weapons and equipment
 - b. Artillery weapons and equipment
 - c. Armor weapons and equipment
 - d. Airborne weapons and equipment
 - e. Combat Engineer weapons and equipment
 - f. Logistical support unit equipment
 - g. Uniforms, insignia, decorations, flags, et al.
2. Provides collection guidance in above fields, in coordination with Scientific Branch and Missiles and Space Weapons Branch, and reviews collection instruments prepared for distribution to collectors.
3. Within its fields of interest, exploits items of materiel, evaluates systems, and describes characteristics and capabilities (including strengths and weaknesses) of items and systems.
4. Studies technological advances and developmental trends furnished by other producers and estimates the characteristics and capabilities of future items and systems.

SCIENTIFIC BRANCH

General Responsibilities:

Produces for CG MDLC and ACSI/DA use all intelligence on an all-source, world wide basis within the Army sphere of interest in the following scientific fields: chemical, biological, and radiological warfare; military medicine; nuclear energy and warfare; basic physical sciences and scientific resources; and electronics. Initiates, reviews, and recommends action on plans, policies, and programs relating to or affecting the production of scientific intelligence.

Specific Functions:

1. Represents CG MDLC and supports ACSI/DA as required in conferences or proceedings of interdepartmental, national, and international agencies concerned with scientific intelligence, including the Scientific Intelligence Committee and its subcommittees, the Joint Atomic Energy Intelligence Committee, working groups of the NATO Standing Groups, the Canada-U.S. Group, and similar organizations.
2. Processes periodic and special reports and other intelligence information required for the production of scientific intelligence.
3. Conducts scientific intelligence research.
4. Produces scientific intelligence in the prescribed scientific subjects, in the form of written or oral reports, studies, briefings, or presentations.
5. Delivers oral briefings or presentations to appropriate MDLC, Army or national staffs.
6. Surveys intelligence collection activities to recognize possible weaknesses in collection capabilities in these fields and to ensure that requirements in the assigned scientific fields are realistic.
7. Provides necessary guidance through appropriate channels for S&T collection efforts in the form of written or oral requirements.
8. Formulates recommendations for plans, policies, and programs relating to or affecting the production of scientific intelligence.

Concept of Operation:

All production of scientific intelligence within the MDLC will be performed by this organization. The purpose of this production is to meet the scientific intelligence requirements of Army research and development and logistic planning organizations, and the commitments of CG MDLC to contribute to Joint or national scientific intelligence documents. This element will supply the scientific intelligence material from which Army staff elements, other commands, or lower echelons will satisfy their own needs for scientific intelligence to the maximum extent possible.

Scientific Branch will support Army members of JSIB, committees and subcommittees, e.g., JAEIC, SIC, CBR SubCom, SICEL SubCom, therefore, direct contact will be maintained with those Army members.

The Branch will furnish a specific requirement to the collectors of scientific intelligence information and will thus be a part of the collection-production intelligence cycle.

MANNING RESOURCES:

1. Now available:

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
Scientific Branch	9	5	0	4
ORD	1	10	0	3
SIG	0	12	0	2
QM	0	2	0	0
CHEM	17	20	4	8
ENGR	0	6	0	1
MED	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTALS:	28	55	4	18

2. Requirements:

a. For ACSI Staff there will be needed personnel and spaces from the following:

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
Scientific Branch	1	2	0	1

b. For staffing the Scientific Branch, MDLC there will be needed personnel and spaces from the following:

	<u>Professional</u>		<u>Clerical</u>	
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>
Scientific Branch	8	3	0	3
ORD	1	10	0	3
SIG	0	12	0	2
QM	0	2	0	0
CHEM	9	20	4	8
ENGR	0	6	0	1
MED	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTALS:	20	53	4	17

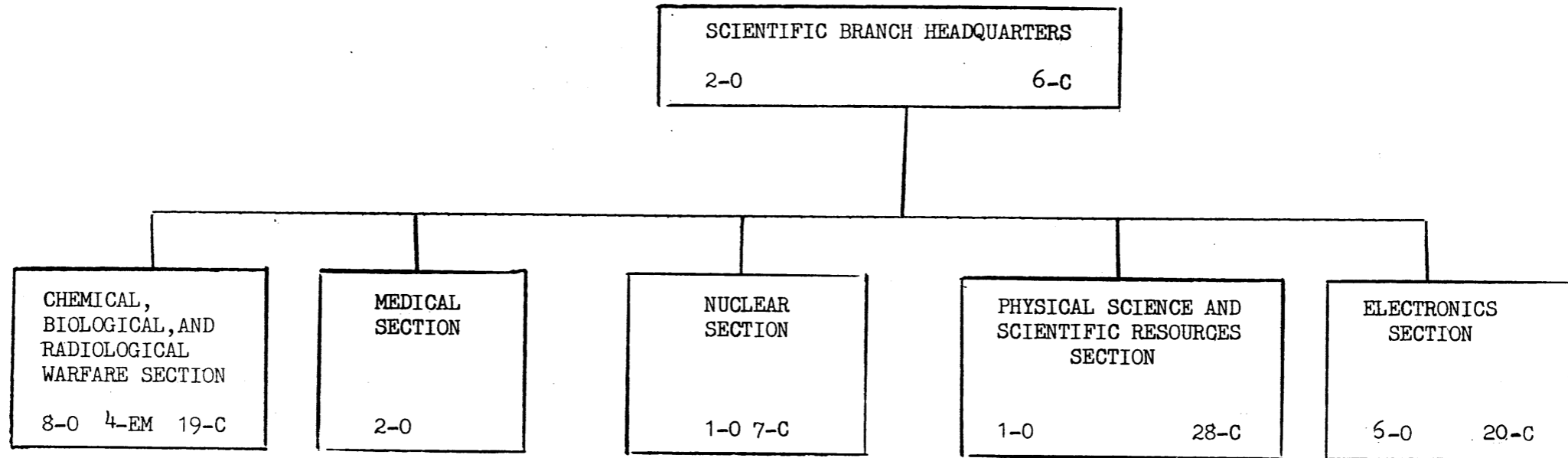
c. Recapitulation:

	<u>Professional</u>		<u>Clerical</u>		<u>TOTALS</u>
	<u>Mil</u>	<u>Civ</u>	<u>Mil</u>	<u>Civ</u>	
Available:	28	55	4	18	109
Required:	21	61	4	21	107

RECAPITULATION

OFFICERS	ENLISTED MEN	CIVILIANS
20	4	29

- 1- Colonel - Branch Chief
- 1- Lt Col - Exec Off.
- 1-GS-16 - Scientific Consultants
- 1-GS-7 - Admin Asst & Project O.
- 1-GS-6 - Top Secret Control
- 1-GS-5 - Secret Control
- 2-GS-4 - Typists



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CHEMICAL, BIOLOGICAL, RADIOLOGICAL WARFARE
SECTION

General Responsibilities:

The Chemical, Biological, and Radiological Warfare Section fulfills that portion of the Scientific Branch mission that pertains to chemical, biological and radiological warfare.

Special Functions:

1. Produces scientific intelligence on chemical and biological warfare research and development to include civilian and military organizations, programs, installations, and personalities, agents, weapon systems and defensive measures.

2. Produces scientific intelligence on radiological warfare research and development to include offensive weapons other than nuclear explosion devices and defensive measures against radiological weapon effects including the effects of nuclear explosions.

3. Produces scientific intelligence pertaining to research and development for civilian defense against chemical, biological, and radiological warfare.

Concept of Operations:

1. Furnishes appropriate members on the Biological and Chemical Warfare Intelligence Subcommittee of the Scientific Intelligence Committee and prepares contributions to estimates, studies, and surveys produced by this subcommittee. Also prepares chemical and biological warfare contributions to the NIS program and other national and international intelligence publications and conferences.

2. All Department of the Army production of intelligence on chemical, biological, and radiological warfare research and development will be performed by this section. Since the major purpose of this production is to serve CG MDLC and Department of the Army research and development requirements, liaison will be maintained with Army and other chemical and biological warfare research and development centers. A close working relationship will be maintained with segments of other intelligence agencies producing this type of intelligence. Close liaison must exist between the producers and collectors requiring periodic trips to overseas collection agencies.

3. Intelligence produced by this section will be disseminated by means of oral and written presentations to Department of the Army staff, R&D organizations, and collection activities so that these elements will be fully aware of the latest intelligence holdings.

MEDICAL SECTION

General Responsibilities:

The Medical Section fulfills that portion of the Scientific Branch mission that pertains to military medicine.

Specific Functions:

Provides medical intelligence on foreign research and development in the:

- a. Medical Sciences, to include basic medical sciences, Internal medicine, Surgery and preventive medicine.
- b. Biological Sciences, to include microbiology and mycology.
- c. Social and Behavioral Science.

Concept of Operations:

1. Provides support to MDLC in all activities pertaining to the medical field.
2. All MDLC production of intelligence on military medicine subjects will be performed by this section. Since the major purpose of this production is to serve CG MDLC and Department of the Army research and development, liaison will be maintained with Army and other medical research and development centers. A close working relationship will be maintained with segments of other intelligence agencies producing this type of intelligence.
3. Furnishes appropriate membership on the Medical Intelligence Subcommittee of the Scientific Intelligence Committee and prepares contributions to estimates, studies and surveys by this subcommittee.

NUCLEAR SECTION

General Responsibilities:

The Nuclear Section fulfills that portion of the Scientific Branch mission that pertains to nuclear energy and nuclear warfare.

Specific Functions:

Produces scientific intelligence on foreign nuclear research and development and the installations, equipment, personnel, and other resources associated with these research and development activities. Categories of particular importance include R&D on:

- a. nuclear weapons
- b. special nuclear materials
- c. reactors
- d. nuclear power and propulsion, and
- e. controlled thermonuclear reactions.

Concepts of Operations:

1. All Department of the Army production of scientific intelligence on nuclear energy and nuclear warfare subjects will be performed by this section. Since one of the major purposes of this production is to serve Department of the Army research and development requirements, liaison will be maintained with Army and other U.S. nuclear research centers.

2. Maximum use will be made of the intelligence produced by this section by means of oral and written presentations to Department of the Army staff, and research organizations so that these elements will be fully aware of the latest intelligence holdings.

3. The section will furnish, as appropriate, support to members of inter-departmental committees and working groups and prepare contributions to intelligence estimates, studies; and other publications.

PHYSICAL SCIENCES AND SCIENTIFIC RESOURCES
SECTION

General Responsibilities:

The Physical Sciences and Scientific Resources Section fulfills that portion of the Scientific Branch mission that pertains to the physical sciences and the scientific resources in foreign countries.

Specific Functions:

1. Produces intelligence on foreign scientific research, capabilities, and accomplishments in the basic physical sciences to include:
 - a. physics
 - b. mathematics
 - c. geophysics
 - d. chemistry
 - e. metallurgy
 - f. meteorology
 - g. astronomy and space research, and
 - h. new sources of energy or novel uses of existing sources.
2. Produces intelligence on foreign scientific resources, to include:
 - a. organization, planning, and management of science
 - b. scientific education and training
 - c. quantity and quality of scientific manpower, and
 - d. coordination and dissemination of scientific information. Ex: Exchange agreements, propaganda.

Concept of Operations:

1. Prepares intelligence contributions to the NIS program and other national and international intelligence publications and conferences.
2. All CG MDLC and ACSI/Department of the Army production of intelligence on the physical sciences and scientific resources will be performed by this section. Since one of the major purposes of this production is to serve Department of the Army research and development requirements, liaison will be maintained, as appropriate, with Army and other U.S. research establishments, science organizations, and education groups. The subjects listed under Specific Functions are those necessary to support the production of intelligence in the other sections of Scientific Branch but which are of common interest to more than one section. Moreover, the basic physical sciences may be the origin of the next technological breakthrough by means of which an unusually destructive or effective weapon system may be devised. Accordingly, this section must be more than normally alert and forward-looking to provide their supporting evidence and to detect trends and new developments. Because of the close relationship that must exist between the producers and collectors in this field of intelligence, frequent and regular liaison visits are required to overseas collection activities, and to NSA.

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3. Maximum use will be made of the intelligence produced by this section by means of oral and written presentation to CG MDLC and other Department of the Army staff, research and development organizations, and collection activities so that these elements will be fully aware of the latest intelligence holdings.

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ELECTRONICS
SECTION

General Responsibilities:

The Electronics Section fulfills that portion of the Scientific Branch mission that pertains to electronics.

Specific Functions:

Produces scientific intelligence on foreign electronics, research and development that can directly or indirectly support foreign military operations affecting U.S. Army and MDLC missions. The specific subjects in the electronics field covered by the Electronics Section are:

- a. radars; with particular emphasis on surveillance radars, airborne blind bombing radars, fire-control radars, and missile-associated radars;
- b. radio communications; military and civil;
- c. other electrical communications; military and civil;
- d. electronic warfare;
- e. special electronic devices such as: Electronic fuzes of radio, optical, acoustic, electrostatic, or magnetic influence principle; infrared; ultraviolet; navigation aids; remote control devices; television; telemetry; electronic data processing; and "death" rays;
- f. Other techniques not foreseeable at this time.

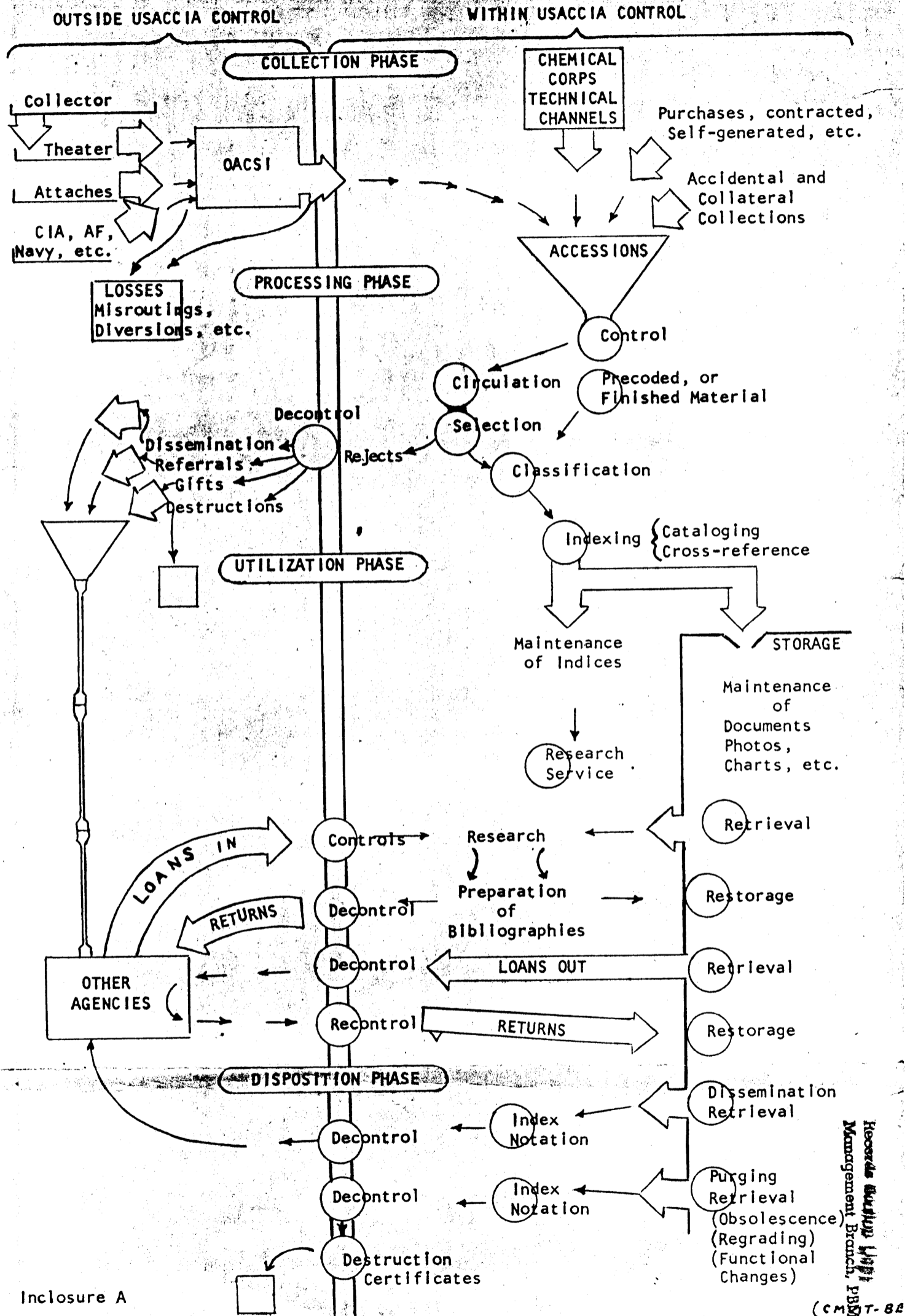
Concept of Operations:

1. Furnishes appropriate members on the Electronics Subcommittee of the Scientific Intelligence Committee and prepares contributions to estimates, studies, and surveys produced by this subcommittee. Also prepares intelligence and contributions in the electronics field to the NIS program and other national and international intelligence publications and conferences.
2. All Department of the Army and MDLC production of scientific intelligence on electronics subjects will be performed by this section. Since one of the major purposes of this production is to serve Department of the Army research and development requirements, liaison will be maintained with Army and other U.S. electronic research and development centers.
3. Maximum use will be made of the intelligence produced by this section by means of oral and written presentations to Department of the Army staff, research and development organizations, and collection agencies so that these elements will be fully aware of the latest intelligence holdings.

FLOW PROCESS CHART
Accession, Maintenance, and Disposition
of Intelligence Information

U. S. Army CCIA

15 March 1962



Records Management Branch, PABCO

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ASSISTANT CHIEF OF STAFF, G-2 (INTELLIGENCE)
"DECIMAL FILE" 1962.
(320 15 MAR. 62 (26 JAN 62))