

~~TOP SECRET~~
 DEPARTMENT OF THE ARMY
 HEADQUARTERS, ARMY SECURITY AGENCY
 WASHINGTON, D. C.

SUBJECT: Minutes of Army Security Agency Technical Committee Meeting Number 4

TO: Interested Members, Army Security Agency Technical Committee and
 Other Interested Agencies

1. A meeting of the Army Security Agency Technical Committee was held on
 1 April 1949, Room 117, Headquarters Building, Arlington Hall Station.
 Attendance was as follows:

Chairman Lt Colonel John A. Geddes

Secretary 1st Lt Mac C. Eversole

Members and Alternates Present

DEPARTMENT OF THE ARMY

GENERAL STAFF, UNITED STATES ARMY
 Research and Development Group

Lt Col R. D. McKinney, Member
 Lt Col C. H. Buck, Alternate

ARMY SECURITY AGENCY

Communications Research Section
 Plans and Operations Section
 Materiel Section
 Research and Development Division
 Security Division
 Operations Division

Mr. W. F. Friedman, Member
 Lt Col C. H. Hiser, Member
 Major A. V. Whitehead, Member
 Mr. Leo Rosen, Alternate
 Dr. A. Sinkov, Member
 Mr. F. B. Rowlett, Member

ARMY FIELD FORCES

Development Section
 Signal Section

Col Dana G. McBride, Member
 Lt Col Stuart S. Hoff, Member

SIGNAL CORPS

Plans and Operations Division
 Engineering and Technical Division

Capt R. H. Kily, Alternate
 Mr. O. I. Lewis, Alternate

CHEMICAL CORPS

Research and Engineering Division

Major Evan H. Lewis, Member

KSA Tech. Com.

~~TOP SECRET~~

DEPARTMENT OF THE AIR FORCE
Headquarters, United States Air Force

~~TOP SECRET~~

Major John F. Morrison, Member

Observers Present

DEPARTMENT OF THE ARMY

ARMY SECURITY AGENCY
Research and Development Division

Mr. John A. Tasker
Mr. C. C. Wright
Mr. R. C. Hix

DEPARTMENT OF THE NAVY

Naval Communications

Mr. Robert E. Miller

2. The Subcommittee Memorandum Reports listed below were recommended for approval by the Army Security Agency Technical Committee. Recommendations contained in these reports have been approved for the Chief, Army Security Agency by the Chairman, Army Security Agency Technical Committee and for the Secretary of the Army by a designated representative of the Director of Logistics, General Staff, United States Army.

<u>ITEM</u>	<u>EQUIPMENT OR PROJECT</u>	<u>ACTION</u>
23	Review of Cryptologic Research and Development Projects	Approval of continuation of established cryptologic research and development projects.
25	Review of Intercept and D/F Research and Development Projects	Approval of continuation and priority change of established Intercept and Direction Finding, Research and Development Projects.
27	Review of Cryptographic Research and Development Projects	Approval of continuation, cancellation and completion of approved cryptographic Research and Development Projects.
28	Review of Ciphony, Cifax, and Civision Research and Development Projects	Approval of continuation and completion of approved ciphony, cifax and civision Research and Development Projects.

~~TOP SECRET~~

3. The following Memorandums for the Record of the Army Security Agency Technical Committee were approved for inclusion in the records of the Committee.

<u>SUBJECT:</u>	<u>DATE</u>
Review of Research and Development Service Projects	14 March 1949
Ciphony Equipment, ASAY 6	29 March 1949

Memorandum for the Record of the Army Security Agency Technical Committee, Subject: Establishment of Department of the Army Project #1-29-43-011, Cycle Analyzer, ASAF 30 as a Service Project, dated 23 March 1949, was amended and approved for inclusion in the records of the Committee as amended. Amendments are reflected in the Memorandum attached hereto.

4. The following items are included as a matter of interest:

a. Basic research is being conducted on the ASAM 8 and the ASAM 11 under Project #1-29-40-001 which appears on Subcommittee Report #27 attached hereto.

b. Projects #1-29-20-003 and #1-29-22-001 which appear on Subcommittee Report #28 attached hereto are complete except for completion reports which are required before the projects may be terminated as complete.

5. There being no further business to come before the Committee it adjourned to meet at the call of the Chairman.

John A. Geddes
JOHN A. GEDDES
Lt Colonel, Signal Corps
Chairman, ASATC

Mac C. Eversole
MAC C EVERSOLE
1st Lt., Signal Corps
Secretary, ASATC

11 Incls

1. Subcom Rpt #23
2. Ltr approval #23
3. Subcom Rpt #25
4. Ltr approval #25
5. Subcom Rpt #27
6. Ltr approval #27
7. Subcom Rpt #23
8. Ltr approval #23
9. Memo for Record dtd 14 Mar 49
10. Memo for Record dtd 23 Mar 49
11. Memo for Record dtd 29 Mar 49

~~RESTRICTED~~

DEPARTMENT OF THE ARMY
 HEADQUARTERS ARMY SECURITY AGENCY
 WASHINGTON 25, D. C.

2 March 1949

SUBCOMMITTEE REPORT NO. 23

MEMORANDUM FOR THE ARMY SECURITY AGENCY TECHNICAL COMMITTEE

SUBJECT: Review of Cryptologic Research and Development Projects

1. REFERENCES:

a. IRS dated 16 February 1949 from Secretary, ASATC to Chairman, Cryptologic Subcommittee, subject: Review of Research and Development Projects.

b. War Department Circular #126, subject: Research and Development, and Classification of Materiel, Section III, Paragraph 13, dated 17 May 1947.

2. DISCUSSION:

a. Agencies Concerned:

- (1) Directing Agency: Army Security Agency
- (2) Other interested agencies: USAF, Navy

b. Purpose:

To insure conformity with the Department of the Army Research and Development Program, to eliminate duplicating and unproductive activities, to insure records on all projects are kept current, and to insure prompt action on all completed projects.

3. RECOMMENDATIONS:

The Subcommittee recommends that:

a. The following projects be continued and the assigned priorities remain the same as indicated:

<u>DA Project Number</u>	<u>Title</u>	<u>Priority</u>
29-66-002	Miniature Counter	1-B
29-66-028	Development of High Speed Tele-type Tape Punch	1-C
29-95-063	Battery Replacement for 48 Volt Supply	1-B

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4. EXHIBITS: None

5. COORDINATION: None

*Approved by
for*

LEO ROSEN
Chairman, Cryptologic
Subcommittee, ASATC

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DEPARTMENT OF THE ARMY
HEADQUARTERS, ARMY SECURITY AGENCY
WASHINGTON 25, D. C.

1 April 1949

CSGAS-20

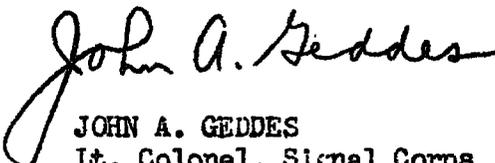
SUBJECT: Approval of ASATC Subcommittee Report No. 23

TO: Interested Members of Army Security Agency Technical Committee
and Other Interested Agencies

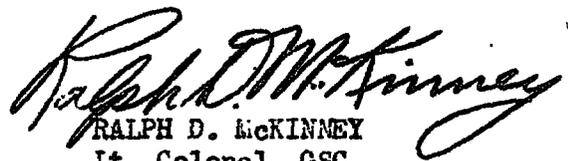
1. Subcommittee Report No. 23, dated 2 March, Subject: Review of Cryptologic Research and Development Projects, having been presented by Mr. Leo Rosen, CSGAS-70, at Army Security Agency Technical Committee meeting Number 4 above date was recommended for approval. This recommendation was concurred in by all members present, a listing of whom is included in the minutes of the meeting.

2. The recommendations contained in subject report are hereby approved.

FOR THE CHIEF, ARMY SECURITY AGENCY:

JOHN A. GEDDES
Lt. Colonel, Signal Corps
Chairman, ASATCMAC C. EVERSOLE
1st Lt., Signal Corps
Secretary, ASATC

Approved by order of the Secretary of the Army:

RALPH D. MCKINNEY
Lt. Colonel, GSC
R&D Group, Logistics Div, GSUSA

24 February 1949

CSGAS-73

SUBCOMMITTEE REPORT #25

MEMORANDUM FOR THE ARMY SECURITY AGENCY TECHNICAL COMMITTEE

SUBJECT: Review of Intercept and D/F Research and Development Projects

1. REFERENCES:

a. IRS dated 16 February 1949 from Secretary ASATC, to Chairman, Intercept and Direction Finding Subcommittee, subject: Review of Research and Development Projects.

b. Extract from IRS dated 25 November 1947 from AS-24, to AS-70, subject: JAN Reporting System for Research and Development Activities, AS-71 file number 37.6, RIB General Correspondence.

c. War Department Circular 126, Research and Development, and Classification of Material, Section III Paragraph 13.

d. War Department Circular 71, Section VI, dated 18 March 1947.

2. DISCUSSION:

a. Agencies Concerned

- (1) Directing Agency: Army Security Agency
- (2) Other Interested Agencies: Navy, USAF, Signal Corps

b. Purpose

To insure conformity with the Department of the Army Research and Development Program, to eliminate duplicating and unproductive activities, to insure records on all projects are kept current, and to insure prompt action on all completed projects.

3. RECOMMENDATIONS:

The Subcommittee recommends that:

a. The following projects be continued and the assigned priorities remain the same as indicated.

<u>DA Project No.</u>	<u>Title</u>	<u>Priority</u>
29-32-003	Impulse Recorder Reporducer, ASAN 10	1-C
29-32-004	Interim Precision Recorder, ASAN 11	1-C
29-32-005	Special Oscilloscopes	2-B
29-32-006	High Precision Recorder Reporducer, ASAN 9	1-C
29-32-007	Antenna Matching Transformer	2-B
29-32-010	Tape Feed-Out Counter, ASAN 4	1-C

~~CONFIDENTIAL~~

b. The following project be continued and the assigned priority changed as indicated:

<u>DA Project No.</u>	<u>Title</u>	<u>Priority</u>	
		<u>From</u>	<u>To</u>
29-32-001	High Frequency Multicouplers and Antennas	2-A	1-C

c. The following projects be terminated as completed:

None

d. The following projects be cancelled:

None

4. EXHIBITS:

There are not exhibits to this report.

5. COORDINATION:

Coordination was accomplished with the following agencies:

None.



R. C. HIX
Chairman, Intercept &
D.F. Subcommittee

~~CONFIDENTIAL~~

DEPARTMENT OF THE ARMY
HEADQUARTERS, ARMY SECURITY AGENCY
WASHINGTON 25, D. C.

CSGAS-20

1 April 1949

SUBJECT: Approval of ASATC Subcommittee Report No. 25

TO: Interested Members of Army Security Agency Technical Committee
and Other Interested Agencies

1. Subcommittee Report No. 25, dated 24 February, Subject: Review of Intercept and D/F Research and Development Projects, having been presented by Mr. R. C. Hix, CSGAS-73, at Army Security Technical Committee meeting Number 4, above date, was recommended for approval. This recommendation was concurred in by all members present, a listing of whom is included in the minutes of the meeting.

2. The recommendations contained in subject report are hereby approved.

FOR THE CHIEF, ARMY SECURITY AGENCY:

*Mac C. Eversole*MAC C. EVERSOLE
1st Lt., Signal Corps
Secretary, ASATC*John A. Geddes*JOHN A. GEDDES
Lt. Colonel, Signal Corps
Chairman, ASATC

Approved by order of the Secretary of the Army:

*Ralph D. McKinney*RALPH D. MCKINNEY
Lt. Colonel, GSC
R&D Group, Logistics Div, GSUSA

DEPARTMENT OF THE ARMY
HEADQUARTERS, ARMY SECURITY AGENCY
WASHINGTON, 25, D. C.

CSGAS-74

25 February 1949

SUBCOMMITTEE REPORT NO. 27.

MEMORANDUM FOR THE ARMY SECURITY AGENCY TECHNICAL COMMITTEE

SUBJECT: Review of Cryptographic Research and Development Projects

1. REFERENCES:

a. IRS dated 16 February 1949 from Secretary, ASATC to Chairman, Cryptographic Subcommittee, Subject: Review of Research and Development Projects.

b. War Department Circular #126, subject: Research and Development, and Classification of Materiel, Section III, Paragraph 13, dated 17 May 1947.

2. DISCUSSION:

a. Agencies Concerned:

(1) Directing Agency: Army Security Agency

(2) Other Interested Agencies: Chemical Corps, AFF, USAF, Signal Corps

b. Purpose:

To insure conformity with the Department of the Army Research and Development Program, to eliminate duplicating and unproductive activities, to insure records on all projects are kept current, and to insure prompt action on all completed projects.

3. RECOMMENDATIONS:

The Subcommittee recommends that:

a. The following projects be continued and the assigned priorities remain the same as indicated.

<u>DA Project No.</u>	<u>Title</u>	<u>Priority</u>
29-40-001	Preliminary Development of Cipher Machine Components	1-B
29-41-001	ASAM 9	1-B
29-41-003	Cold Cathode Tube	1-B
29-41-004	ASAM 7	1-B

<u>DA Project No.</u>	<u>Title</u>	<u>Priority</u>
29-43-001	ASAM 10	1-B
29-43-002	ASAD 1	1-B
29-45-003	ASAM 12	1-C
29-48-005	ASAF 35	1-B
29-60-002	System Indicator Encipherment	1-C
29-41-005	ASAM 13	1-B
29-41-006	ASAF 3	1-B

b. The following projects be terminated as completed:

<u>Project No.</u>	<u>Title</u>
(4-1304)	One Time Pad Device
(4-1306)	SIGBRAT
(4-1307)	One Time Pad (2d Device)
(4-1308)	SIGBRAT Manufacture

c. The following projects be cancelled:

<u>Project No.</u>	<u>Title</u>	<u>Reason for Cancellation</u>
(45-1301)	Security Study of Reflex Wiring and Irregular Motions RIM	Incorporated into DA Proj 29-60-001, General Cryptologic Research
(48-1314)	Construction of SIGTOP for Airplane Installation	IRS from AS-81 to AS-74, dated 21 February 1949, Subject: Airplane Installation.
DA # 29-41-002	Converter Attachment of Applique Unit for SIGABA (Development of ASAM 12)	Incorporated into DA Project #29-45-003, ASAM-12

4. EXHIBITS: None

5. COORDINATION: None

Howard C. Barlow

HOWARD C. BARLOW
 Chairman, Cryptographic
 Subcommittee

DEPARTMENT OF THE ARMY
 HEADQUARTERS, ARMY SECURITY AGENCY
 WASHINGTON 25, D. C.

CSGAS-20

1 April 1949

SUBJECT: Approval of ASATC Subcommittee Report No. 27

TO: Interested Members of Army Security Technical Committee
 and Other Interested Agencies

1. Subcommittee Report No. 27, dated 25 February, Subject: Review of Cryptographic Research and Development Projects, having been presented by Mr. John A. Tasker, CSGAS-74, at Army Security Agency Technical Committee meeting Number 4, above date, was recommended for approval. This recommendation was concurred in by all members present, a listing of whom is included in the minutes of the meeting.

2. The recommendations contained in subject report are hereby approved.

FOR THE CHIEF, ARMY SECURITY AGENCY:

John A. Geddes

JOHN A. GEDDES
 Lt. Colonel, Signal Corps
 Chairman, ASATC

Mac C. Eversole
 MAC C. EVERSOLE
 1st Lt., Signal Corps
 Secretary, ASATC

Approved by order of the Secretary of the Army:

Ralph D. McKinney
 RALPH D. MCKINNEY
 Lt. Colonel, GSC
 R&D Group, Logistics Div, GSUSA

~~TOP SECRET~~DEPARTMENT OF THE ARMY
HEADQUARTERS ARMY SECURITY AGENCY
WASHINGTON 25, D. C.

CSGAS-72

7 March 1949

SUBCOMMITTEE REPORT NO. 28

MEMORANDUM FOR ARMY SECURITY AGENCY TECHNICAL COMMITTEE

Subject: Review of Ciphony, Cifax, and Civision Research and
Development Projects

1. REFERENCES:

a. IRS dated 16 February 1949 from Secretary, ASATC to Chairman, Ciphony, Cifax, and Civision Subcommittee, subject: Review of Research and Development Projects.

b. War Department Circular '126, subject: Research and Development, and Classification of Materiel, Section III, Paragraph 13, dated 17 May 1947.

2. DISCUSSION:

a. Agencies Concerned:

- (1) Directing Agency: Army Security Agency
- (2) Other Interested Agencies: U.S. Navy, USAF, AFF, and Signal Corps

b. Purpose:

To insure conformity with the Department of the Army Research and Development Program, to eliminate duplicating and unproductive activities, to insure records on all projects are kept current, and to insure prompt action on all completed projects.

3. RECOMMENDATIONS:

The Subcommittee recommends that:

- a. The following projects be continued and the assigned priorities remain the same as indicated.

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<u>DA Project Number</u>	<u>Title</u>	<u>Priority</u>
29-20-001	General Ciphony Research	1-B
29-20-002	Wide Band Low Echelon Pulse Type Ciphony System (ASAY 8)	1-B
29-20-003	Voice Frequency Halving and Doubling	1-C
29-22-001	Liaison and Testing ASAY 2, 3	1-B
29-22-002	Further Development of Teletypewriter Adapter for Speech Equipment ASAY 2, 3	1-C
29-22-003	Development of an Eight-Level High Security Ciphony System with On-Off Transmission (ASAY 6)	1-B
29-22-004	Speech Equipment ASAY 4	1-B
29-22-005	Speech Equipment ASAY 5	1-B
29-22-006	Recorder and Reproducer for One-Time Key for ASAY 2, 3	1-B
29-22-007	Modification of Speech Equipment ASAY 2, 3	1-B
29-22-008	Cryptographic Design of Key Generator for AN/TRC-25 (ASAY 7)	1-B
29-25-001	General Cifax Research	1-B
29-26-002	Development of ASAX 2	1-B
29-26-003	Development of ASAX 3	1-B

b. The following projects be terminated as completed.

<u>DA Project No.</u>	<u>Title</u>	<u>Priority</u>
29-25-002	Synchronous Motor Drive Investigation	1-B
29-26-001	Further Development of Cifax Adapter for Speech Equipment ASAY 2, 3	1-C
2-1202	SFR Cifax System	1-C

4. EXHIBITS:

There are no exhibits to this report.

5. COORDINATION:

None.

Clarence C. Wright
CLARENCE C. WRIGHT
Chairman, Ciphony, Cifax
and Division Subcommittee

DEPARTMENT OF THE ARMY
HEADQUARTERS, ARMY SECURITY AGENCY
WASHINGTON 25, D. C.

CSGAS-20

1 April 1949

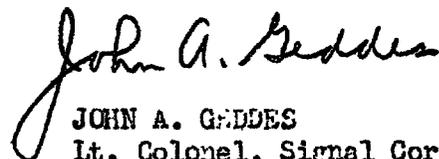
SUBJECT: Approval of ASATC Subcommittee Report No. 28

TO: Interested Members of Army Security Agency Technical Committee
and Other Interested Agencies

1. Subcommittee Report No. 28, dated 7 March, Subject: Review of Ciphony, Cifax, and Division Research and Development Projects, having been presented by Mr. C. C. Wright, CSGAS-72, at Army Security Agency Technical Committee meeting Number 4, above date, was recommended for approval. This recommendation was concurred in by all members present, a listing of whom is included in the minutes of the meeting.

2. The recommendations contained in subject report are hereby approved.

FOR THE CHIEF, ARMY SECURITY AGENCY:

JOHN A. GEDDES
Lt. Colonel, Signal Corps
Chairman, ASATCMAC C. EVERSOLE
1st Lt, Signal Corps
Secretary, ASATC

Approved by order of the Secretary of the Army:

RALPH D. MCKINNEY
Lt. Colonel, GSC
R&D Group, Logistics Div, GSUSA

REF ID: A5813
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DEPARTMENT OF THE ARMY
HEADQUARTERS ARMY SECURITY AGENCY
WASHINGTON 25, D. C.

14 March 1949

MEMORANDUM FOR THE RECORD OF THE ARMY SECURITY AGENCY TECHNICAL COMMITTEE

SUBJECT: Review of Research and Development Service Projects

1. References:

a. IRS from AS-24 to AS-70, Subject: Review of Research and Development Projects, dated 16 February 1949.

b. WD Circular 126, Subject: Research and Development and Classification of Material, dated 17 May 1947.

2. Discussion:

a. Agencies Concerned:

- (1) Directing Agency: Army Security Agency
- (2) Other Interested Agencies: None

b. Purpose:

To insure conformity with the Department of the Army Research and Development Program, to eliminate duplicating and unproductive activities, to insure records on all projects are kept current, and to insure prompt action on all completed projects.

3. Recommendations:

It is recommended that:

a. The following projects be continued with no change:

<u>Department of the Army Numbers</u>	<u>Title</u>
(5-6001) 29-50-001	Miscellaneous Services for Research and Development Division
(5-6002) 29-50-002	Miscellaneous Services for Other Divisions and Branches
(5-0008) 29-50-004	Plant Engineering
(0-0002) 29-90-001	Research and Development Division Management

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REF ID: A58167
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Department of the Army Numbers

Title

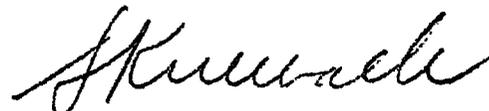
(1-0001) 29-90-011	Technical Staff Management
(2-0001) 29-90-021	Management, Ciphony and Cifax Branch
(3-0001) 29-90-031	Management, Intercept Equipment Branch
(4-0001) 29-90-041	Management, Electromechanical Branch
(5-0001) 29-90-051	Management, Laboratory Services Branch
(6-0001) 29-90-061	Management, Cryptologic Branch
29-90-071	Management, Electronics Branch
(0-0801) 29-91-001	Research and Development Division Liaison
(0-5001) 29-91-002	Army Security Agency Museum
(1-0801) 29-91-003	Legal Operations, Research and Development Division
(1-0802) 29-91-004	Research and Development Division Histories
(1-0803) 29-91-005	Patents Section
(2-5001) 29-93-021	Laboratory Maintenance, Ciphony and Cifax Branch
(3-5001) 29-93-031	Laboratory Maintenance, Intercept Equipment Branch
(4-5001) 29-93-041	Laboratory Maintenance, Electromechanical Branch
(5-5001) 29-93-051	Maintenance Laboratory Services Branch
(6-5701) 29-93-061	Laboratory Maintenance, Cryptologic Branch
29-93-071	Laboratory Maintenance, Electronics Branch
(0-0001) 29-95-011	Research and Development Division Stockroom
(0-0004) 29-95-013	Research and Development Division Facilities
(2-0002) 29-95-021	Laboratory Facilities, Ciphony and Cifax Branch
(3-0002) 29-95-031	Laboratory Facilities, Intercept Equipment Branch

~~TOP SECRET~~

<u>Department of the Army Number</u>	<u>Title</u>
(4-0004) 29-95-041	Laboratory Facilities, Electromechanical Branch
(5-0003) 29-95-051	Shop Facilities, Laboratory Services Branch
(6-0007) 29-95-062	Laboratory Facilities, Cryptologic Branch
29-95-071	Laboratory Facilities, Electronics Branch
29-08-001	(CSGAS-80) Cryptographic System Research
(5-6003) 29-50-005	Electroplating and Heat Treating Services
(5-0005) 29-95-052	Construction and Installation of Partitions For Research and Development Division
(6-0006) 29-95-061	Laboratory Modification, Cryptologic Branch
(6-0005) 29-95-066	Procurement of Electronic Photographic and Electrical Materials and Supplies
(6-6806) 29-95-067	Procurement of CXCO Equipment

b. The following projects be terminated as complete:

<u>Department of the Army Number</u>	<u>Title</u>
(0-0003) 29-95-012	Research and Development Division Reserve Stock
(4-0003) 29-95-042	Procurement of Relay Stock
(4-3703) 29-48-010	Auxiliary Unit for RAM
(6-0003) 29-95-064	Procurement of Relay and Electronic Stock
(6-0004) 29-95-065	Procurement of Tools and Laboratory Equipment
(6-3702) 29-66-023	Modification of 70mm Comparator
(5-0006) 29-95-053	Procurement of Stock
(5-0007) 29-95-054	Additional Equipment for Machine Shop



S. KULLBACK
Chief, Research and
Development Division
CSGAS-70

DEPARTMENT OF THE ARMY
HEADQUARTERS ARMY SECURITY AGENCY

CSGAS-74

23 March 1949

MEMORANDUM FOR THE RECORD FOR THE ARMY SECURITY AGENCY TECHNICAL COMMITTEE

SUBJECT: Establishment of Department of the Army, Project Number
29-42-011, Cycle Analyzer, ASAF 30 as a Service Project

1. Purpose

In the development of new crypto-equipments for the Army Field Forces and the U. S. Air Forces it has become necessary to construct a device that will analyze cycle length.

2. Description

This equipment will be used to generate and examine successive time pulse distributor positions produced by interconnecting numerous time pulse distributors in various ways. It will be capable of duplicating the stepping motions of most of the known or prospective rotor machines. It will automatically search for a duplication of any of its previously generated settings, to determine when the system has begun to recycle. It will indicate the length of the cycle and the approximate length of lead-in until the system recycles.

3. Related Materials or Methods

There are no materials or methods related to this device now being used at Army Security Agency.

4. Development History and Status

Circuits and principles used in the project "WHIRLWIND", a U. S. Navy device now at the Massachusetts Institute of Technology will be used in the manufacture of this device.

5. Proposed Development

The first phase will be to design and construct one prototype model of each of the components required in its overall construction. The second phase will be the construction testing of the overall device. The third phase will be the addition of automatic input set up and out-put loading accessories, and the installation of the equipment at the Army Security Agency. It is proposed to build one each equipment starting about 1 April 1949, and complete service tests about 1 April 1952.

~~RESTRICTED~~

6. Department of the Army Project Number 1-29-48-011, ASAF-30 Cycle Analyzer, has been approved as a service project by the Chief, Army Security Agency, and is hereby made a matter of record.

Mac C. Eversole

MAC C. EVERSODE
1st Lt., Signal Corps
Secretary, ASATC

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DEPARTMENT OF THE ARMY
HEADQUARTERS ARMY SECURITY AGENCY
Washington 25, D. C.

29 March 1949

MEMORANDUM FOR THE RECORD OF THE ARMY SECURITY AGENCY TECHNICAL COMMITTEE

SUBJECT: Ciphony Equipment, ASAY-6

1. Reference:

IRS from AS-72 thru AS-70 to Secretary, ASATC, AS-24, Subject: Project 29-22-003, dated 21 March 1949.

2. Discussion:

Department of the Army Project 1-29-22-003, Ciphony System, ASAY 6, was approved 22 April 1947 for development of two service test models. In order to successfully test the conference operational feature of the ASAY 6 a minimum of three service test models will be required.

3. Conclusion:

Department of the Army Project Number 1-29-22-003, ASAY 6 is hereby amended to include the development of three service test models instead of two.

Mac C. Eversole
MAC C. EVERSOLE
1st Lt., Signal Corps
Secretary, ASATC

~~RESTRICTED~~