


~~TOP SECRET~~ MATERIAL ATTACHED

MEMORANDUM FOR Mr. Friedman
Mr. Chittenden
Dr. Stukey
Mr. Barlow
Mr. Chiles
Mr. Ericson
Dr. Erskine
Mr. King

1. Inclosed are minutes of the meeting of the US delegation held last Thursday.
2. The next meeting will be this Thursday, 10 September, in room 19-232.B


F. C. AUSTIN
Chief, NSA-41

Room 19-232 B

~~TOP SECRET~~MINUTES OF FIRST MEETING
US DELEGATION
BRUSA COMMUNICATIONS SECURITY CONFERENCE, 19531430 THURSDAY, 3 SEPTEMBER 1953
ROOM 19-232B, U. S. NAVAL SECURITY STATION
WASHINGTON, D. C.

Those present were:

Mr. W. F. Friedman, NSA, Chairman
Mr. F. C. Austin, NSA, Deputy Chairman
Mr. H. C. Barlow (NSA)
Mr. J. R. Chiles (NSA)
Mr. B. G. Erickson (NSA)
Mr. W. H. Erskine (NSA)
Mr. M. O. Pavich (NSA)
Mr. H. J. Stukey, NSA, Acting Recorder
Lt. Col. F. Chilton, USA (Army)
Maj. W. M. Getchell, USA (Army)
Mr. A. W. Small (Army)
Mr. D. Wolfand (Army)
Mr. B. Fisk (Navy)
Mr. F. T. Grimm (Navy)
Cdr. J. C. Hargreaves, USN (Navy)
Mr. W. A. Haynes (Navy)
Mr. L. D. Whitelock (Navy)
Lt. Col. J. M. Anderson, USAF (Air Force)
Maj. F. A. Ivey, USAF (Air Force)

1. The meeting was devoted to discussion of preparations for the Conference.

2. Agenda.

a. At the Chairman's request, Mr. Austin read a tentative agenda and schedule for the Conference which had been prepared by the UK. In brief, the program comprises

- (1) Informal talks (12-23 October);
- (2) Conference proper, Phase I (26-30 October):
Preparation of reports listing and assessing equipments;
- (3) Conference proper, Phase II (2-10 November):
Consideration of Combined and NATO requirements.

b. Mr. Austin explained that the plan to hold preliminary talks was adopted as a means of avoiding interruptions to the work of the Conference proper. For this reason, visits to installations and inspections of equipments are scheduled for the preliminary period.

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With these exceptions, there are to be no set meetings; such discussions as may be held will be completely informal, by individuals or small groups.

NOTE: Copies of the agenda and schedule, slightly modified as a result of this meeting, are forwarded with these minutes. It is necessary that any comments or additions be submitted to Mr. Austin as soon as possible, since the agenda and schedule must be confirmed to the UK.

3. Other matters considered and the outcome of the discussions are presented here in topical summary:

a. Limitations on Disclosure.

- (1) NSA has in preparation and will distribute to Service representatives a list of US equipments that are proposed for discussion at the Conference.
- (2) The only existing equipments that are reserved for exclusive US use are CEP 2900, AFSAM 23, and possibly one or two other items.

b. Service Representation.

- (1) The number of representatives that each Service will send to the different phases of the Conference is as follows:

| | Army | Navy | Air Force |
|-------------------|------|------|--------------|
| Preliminary Talks | 2 | 2 | 1 (Probably) |
| Phase I | 2 | 2 | 1 |
| Phase II | 2 | 2 | 2 |

- (2) The Service representatives will be:
 - (a) Army: For the preliminary talks and Phase I, Mr. Wolfand and Mr. Small; for Phase II, Lt. Col. Chilton and Major Gencisll.
 - (b) Navy: For the preliminary talks, probably Mr. Fisk and Mr. Whitelock; for Phases I and II, probably Cdr. Hargreaves and Mr. Grimm.

NOTE: The name of Mr. Hugo Beck was later substituted for that of Mr. Fisk.

- (c) Air Force: For the preliminary talks and Phase I, Lt. Col. Felix Marshall; for Phase II, Lt. Col. Anderson and Maj. Ivey.

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- (3) The Services were requested to notify NSA as soon as their nominations and plans become official; it is of particular importance that NSA be able to inform GCHQ of the number of persons who will go on the scheduled trips.

c. Orders.

- (1) Orders for Service representatives are the responsibility of the Services.
- (2) In order to avoid the necessity of classifying orders, they should be written for temporary duty in connection with business of the Department of Defense (or of the Service).
- (3) It was requested that a copy of the Service representatives' orders be furnished to NSA.

d. Housekeeping Arrangements.

- (1) NSA is prepared to arrange for quarters for all US representatives. Requests to that effect should be submitted at once if these arrangements are desired.
- (2) Papers or material to be used at the Conference will be sent ahead if they are furnished to NSA by 15 September.

e. Passports.

- (1) Civilians should initiate action immediately to provide themselves with passports.
- (2) Military personnel do not need passports for England; they should, however, be prepared to establish their military status when they are not in uniform.

f. Uniform - It is considered preferable that military personnel dress in civilian clothes for all activity connected with the Conference. Personnel in uniform are not admitted to some of the installations to which visits are scheduled.

g. Clearance and Indoctrination - TOP SECRET cryptographic clearance and COMINT indoctrination are required of representatives to the Conference.

h. Future Meetings.

- (1) It appeared that weekly meetings would be necessary in order to complete preparations for Phase II of the Conference.
- (2) It was agreed that the next meeting should be held at 1430 Thursday, 10 September.

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4. A directory of persons who have been mentioned as participants or potential participants in the Conference is forwarded with these minutes.

H. J. Stucky
H. J. STUCKY

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~~RESTRICTED - SECURITY INFORMATION~~

| <u>NAME</u> | <u>AGENCY</u> | <u>ROOM ADDRESS</u> | <u>OFFICE</u> | <u>TELEPHONES</u> | <u>HOME</u> |
|-----------------------|---------------|---------------------|-----------------|-------------------|-------------|
| ANDERSON, LtCOL J.M. | HqUSAF | 5B482, Pentagon | X 55646 | | JA 7-4874 |
| AUSTIN, F. C. | NSA | 3312, NSS | X 60489 | | OV 3-0458 |
| BARLOW, H. C. | NSA | 17121, NSS | X 60400 | | JE 3-1668 |
| BECK, Hugo | NRL | 150, Bldg. 26 | Code 130, X 285 | | LO 7-7184 |
| CHILES, J. R. | NSA | 17121, NSS | X 60400 | | EM 2-9137 |
| CHILTON, LtCOL F. | DA OCSIGO | 2B311, Pentagon | X 52613 | | |
| CHITTENDEN, T. R. | NSA | 19331, NSS | X 60382 | | JE 4-0118 |
| ERICKSON, Bruce G. | NSA | 3008, NSS | X 60410 | | JA 7-8964 |
| ERSKINE, W. H. | NSA | 17117, NSS | X 60391 | | EL 6-3840 |
| FISK, Bert | NRL | 150, Bldg. 26 | Code 130, X 285 | | LU 1-1558 |
| FRIEDMAN, William F. | NSA | 19232E, NSS | X 60493 | | LI 6-8520 |
| GETCHELL, MAJ W. M. | DA OCSIGO | 2D266, Pentagon | X 53151 | | |
| GRIMM, F. T. | OP-202 | 1132, NSS | X 60519 | | OL 2-0119 |
| HARGREAVES, CDR J.C. | OP-202 | 1208, NSS | X 60541 | | |
| HAYNES, W. A. | BUSHIPS | 1235, NSS | X 60557 | | JE 3-7827 |
| IVEY, MAJ F. A. | USAFSS | San Antonio, Texas | | | |
| KING, W. P. | NSA | 3105, NSS | X 60281 | | LO 4-6034 |
| MARSHALL, LtCOL Felix | USAFSS | San Antonio, Texas | | | |
| PAVICH, M. O. | NSA | 3105, NSS | X 60281 | | LO 4-0888 |
| SMALL, A. W. | ASA | 108, AHS | Code 147, X 631 | | OL 4-2218 |
| STUKEY, H. J. | NSA | 3307E2, NSS | X 60372 | | JE 2-2927 |
| WHITELOCK, L. D. | BUSHIPS | 2023, Main Navy | X 63887 | | OL 4-5089 |
| WOLFAND, D. | ASA (G-4) | 401 Hq. Bldg, AHS | Code 147, X 508 | | JE 3-1066 |

UK/US COMMUNICATIONS SECURITY CONFERENCE 1953

PROGRAMME

Informal Talks.

| Date | | Security Group | Engineering Group |
|--------|------|--|---|
| Oct 12 | a.m. | Preliminaries | Preliminaries |
| | p.m. | Visit to War Office (BANGLE, HALLMARK and possibly ARTICHOKE) | Visit to War Office (War Office is in London) |
| 13 | a.m. | Work factors: Security criteria | Ciphony devices. British Equipments are: BANGLE, SORCERER, HALLMARK II, D.70, TRUMPETER, PICKWICK. |
| | p.m. | One-time systems and call sign devices | Ciphony Devices |
| 14 | a.m. | Rotor Machines | All day visit to G.P.O. Research Station for discussion on Vocoder research. (GPO = Government Post Office. It's located at Dolis Hill, about 10 miles from London.) |
| | p.m. | Rotor Machines | |
| 15 | a.m. | Rotor Machines | All day visit to Standard Telecommunications Laboratories for SORCERER demonstration and discussion. (STL are located at Enfield just outside London.) |
| | p.m. | Rotor Machines | |
| 16 | a.m. | KOKEN Machines | Off-line literal machines. |
| | p.m. | TUTTE Machines | CIFAX problems. |
| 19 | | Autoclavic Self-Synchronising Systems (a) P/L text auto key (b) Cypher text auto key | On line telegraph devices British equipments are: ROLLICK I and variants ROLLICK II (although dead) MINSTER, MERCURY, 5 UCO INCUBATOR |

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| Date | | Security Group | Engineering Group |
|--------|------------------|--|---|
| Oct 20 | | Joint Visit to S.C.D.U. to see and discuss MINSTER, PICKWICK, MOUNTEBANK and INCUBATOR. New circuit techniques such as magnetic binaries, ferro-resonance storage, transistors, etc. (SCDU = Services Communication Development Unit. It's located at Dolis Hill.) | |
| 21 | | Miscellaneous Systems | Projected all day visit to S.R.D.E. to see D.70, TRUMPETER and discuss misc. items of research. (SRDE = Signals Research & Development Establishment. It's located at Christ Church about 80 miles from London.) |
| 22 | a.m. p.m. | Manual systems Joint discussion on I.F.F. | Radiation Security |
| 23 | a.m. | New ideas: Second thoughts Joint discussion on new ideas. | Security and Navigational aids. CITROL |
| | | <p><u>NOTE:</u> During the informal talks time will be found to discuss the following additional items: -</p> <p>Key Tape Making Equipment. General Cypher Production Techniques. Checking Equipment for the production of Cyphers. Miscellaneous devices (e.g. One Time letter pad encryption device).</p> | |

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UK/US Communications Security Conference

Programme

Conference Proper

| | | | |
|--------|------|---|----------------------------|
| Date | | Opening of Conference | |
| Oct 26 | a.m. | Opening Plenary Session followed by First Meeting of the Executive Committee | |
| | | PHASE I: <u>Preparation of reports listing and assessing equipments available and under development</u> | |
| Date | | Security Committee | Engineering Committee |
| Oct 26 | p.m. | Security Criteria Production Equipments | On-line equipments |
| 27 | a.m. | Traffic flow Security | Off-line equipments |
| | p.m. | On-line Equipments | Speech, Cifax, etc. |
| 28 | a.m. | Off-line Equipments | Special purpose devices |
| | p.m. | Speech, Cifax, etc. | Crypto production equipts. |
| 29 | a.m. | | Radiation |
| | p.m. | | |
| 30 | a.m. | Executive Committee to endorse reports | |
| | p.m. | | |

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PHASE II: Examination and Definition of Combined and NATO operational requirements and, where possible, selection of equipments to meet them.

| Date | | |
|-------|------|---|
| Nov 2 | a.m. | Traffic flow security |
| | p.m. | Expression of security requirements |
| Nov 3 | a.m. | High Grade British-U.S. NATO cypher (CGM replacement) |
| Nov 4 | a.m. | On-line equipments |
| | p.m. | Off-line equipments |
| Nov 5 | a.m. | Speech and CIFAX equipments |
| | p.m. | Special Purpose Equipments: Combat Codes, Authentication, Weather |
| Nov 6 | a.m. | Non-Communications Transmission Equipments - (ELINT) |
| | p.m. | Review of reports, second thoughts |
| Nov 9 | a.m. | Executive Committee to endorse reports |

Closure of Conference

| | | |
|-------|------|--|
| Nov 9 | p.m. | Executive Committee to draft Conference Report |
| 10 | a.m. | Executive Committee to endorse Conference Report |
| | p.m. | Final Plenary Session |