


~~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. Stukeley, 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.

~~TOP SECRET~~

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.

~~TOP SECRET~~

- (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.

~~TOP SECRET~~

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

~~TOP SECRET~~

~~RESTRICTED - SECURITY INFORMATION~~

<u>NAME</u>	<u>AGENCY</u>	<u>ROOM ADDRESS</u>	<u>TELEPHONES</u>	
			<u>OFFICE</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

TOP SECRET CONTROL NUMBER 53-41-178  
COPY 16 OF 30 COPIES  
PAGE 1 4

~~TOP SECRET~~

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>	

2  
 TOP SECRET CONTROL NUMBER 53-14-178  
 COPY 16 OF 30 COPIES  
 PAGE 2 OF 4 PAGES

~~TOP SECRET~~



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	
		<u>PHASE I: 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.		

TOP SECRET CONTROL NUMBER 53-14-178  
 COPY 16 OF 30 COPIES  
 PAGE 3 OF 4 PAGES

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