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AN AGREEMENT BETWEEN GC & CS AND NEGAT ON JAPANESE CRYPTANALYTIC TASKS 23 OCTOBER 1944



AN AOREBEET BETTERN O C & C S AND NEGAT ON JAPANESE CHYPTANALYTIC TASKS

23 October 1944

In order to minimize the use of rapid communication facilities and to promote proper coordination by the most efficient employment of personnel, particularly in the solution and exploitation of those Japanese oryptographic systems which require the combined effort of relatively large numbers of persons, the following points are agreed upon by Op-20-6 and G C & C S.

ORNEKAL AGARGERRY ~

- 1. Op-20-G FRUPAC FRUMF will be the exploiting and distributing centres of current operational Communications Intelligence.
- 2. Op-20-0 will coordinate the united effort against Japanese Corramidations Interligence and allocate tasks with B.P., of course, free to make summestions, requests or complaints at any time.
- 3. G C & C S will take on any tasks allocated by Op-20-G and such tasks will be given full priority.
- 4. Additionally, in so far as the tasks allocated under
- (3) permit, O C & C S will do such work as Admiralty may request and any work necessary for training purposes and research.

TRAFFIC -

To be passed to B.S.C. for forwarding to B.P. by bag, in case of JN 25 and any non-current or non-assigned Japanese systems, and by cable or U/T in case of other systems that are being worked currently by B.P. in accordance with assignments from MEGAT.

UNSOLVED SYSTEMS -

b.P., when requested by NaMAT, is to work on any system for which traffic is evailable at b.P. No truffic is to be supplied on a current basis for passing by cable except when at the request of MEOAT help is sought on a specific assigment.

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BULK ADDITIVE RECOVERY -

H.P. to work on bulk additive recovery only as requested by MEGAT. Requests are to be predicated on the status of systems evaluable for work. MEGAT will normally keep the more recent and operational types.

EXPLOITATION -

In general, B.P. will read such current FLOTISHDOWN intercepts as they can with the materials they have available. NEGAT will give such "hole filling" assistance on important current messages as it can when requested by B.P.

IFTERCHANGE OF RECOVERIES -

HEGAT will send additives to B.P. by air mail except "hole fillers" and those that apply to current systems assigned to B.P., which of course will go by despatch. Except as indicated above, all current recoveries will be exchanged by despatch and non-current recoveries by bag.

PAST CIPIER PERIODS -

- 1. B.P. will cooperate on working any back cipher periods upon specific requests from MEGAT but does not want this phase as its only assignment and would prefer to be asked to search periods with a specific type of useful information as an objective.
- 2. NEGAT will furnish B.P. with all available aids to facilitate such work. B.P. will furnish NEGAT with all publications and results on any and all cryptonelytic results.

SPECIFIC ASCIONNELLS TO IMPLIENT THIS ACHEROMY AS OF THIS DATE.

- 1. B.P. will be specifically requested to work JN 25 L-53.
- 2. Until Nun ciphers become worksble B.P. will cooperate with NEGAT on the solution of the system.
- 3. If and when the New ciphers become worksble, one or more cipher periods will be assigned to B.P.
- 4. Special studies or phases of studies may be requested of B.P. as needed.

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- 5. Subject to the changes indicated in this document, existing arrangements between NEGAT and B.P. with respect to allocations and traffic exchange, will be continued until altered circumstances make adjustments necessary.
- 6. Future assignments by NEGAT will be in the general spirit of this agreement.

THANSLATION AND CODE MECOVERY -

1. MANAT will, from this date on, supply B.P. with one copy of each IBM summary code recovery work-book together with an index to that traffic. However, because of limited facilities, such books can only be furnished on the NEGAT summary print.

2. B.P. will exchange copies of all translations, and the results of all special studies produced in the Japanese systems, with NEGAT.

PUBLICATION EXCHANGE -

NEGAT and B.P. will continue to exchange all technical information including reports and special studies on all branches of the work.

COMMUNICATIONS AUGUST -

The Communications Agreement, involving all units concerned with the Japanese problem, is detailed in the attached enclosures A and B.

Enclosure A - Top Secret Memorandum for the Director of Naval Communications, dated 6 October 1944, and signed by A. H. Hillgarth, Capt. H.N.

Enclosure B - Draft of ULTRA Signal from C in C, E.F. to Admiralty dated 6 October 1944.

For G C & C B:

FOR UNITED STATES NAVY:

/s/ E.W.T.

/a/ JoRoRo



TOP SECRET

ENCLOSURE A

(copy)

6 October 1944

TOP SHOLLET

MEMORAHDUM POR DIRICTOR OF NAVAL COMMUNICATIONS:

In confirmation of our conversation I have set cown the following points as agreed:

- l. The proposed Guam Colombo circuit you so kindly offered will comprise teletype equipment calculated to handle 80,000 groups per day such way. This is expected to be ready for despetch in November, B.A.D. to take delivery in U.S.A. of the equipment for Colombo and ship as rapidly as possible.
- 2. On this Guam Golombo circuit FLUEF will receive to the capacity of the circuit all Japanous ascryption Intulligence, recoveries, crypto-chat and traffic analysis (DISC and DAZE) from Op-20-6 and PRUPPC, i.e. the full output from those stations.
- 3. by the same circuit PhUPAC will receive all Japanese decryption intelligence, recoveries, crypto-chat and traffic such sis from G.C. and C.S. and PhUEF in the same manner, plus whatever load of unique raw material from PhUEF the circuit can additionally carry.
- 4. If the traific on this circuit from Guam to Colombo exceeds 80,000 groups, the balance will be transmitted via Melbourne.
- 5. It is estimated that the non-rew material traffic on this circuit from Colombo to Guam is unlikely to exceed 50,000 groups in the near future, thus allowing a margin of 30,000 groups for new material.

 Extra rew material will be sent from PAULP to PRUPAC through belowing.
 - 6. Since the Guam Colombo circuit will not normally accormodate raw material westboung, raw material received by Op-20-0 from FRUP/C will be forwarded to G.C. and G.S. via B.S.C. New York.

In order to avoid double encipherment of raw raterial at FAUEF, it is agreed that raw material sent from FAUEF via PEAAL to O_P-2U-G shall be likewise forwarded on by O_P-2U-G to G_*C_* and G_*S_* via $B_*S_*G_*$ New York.

In continuance of present arrangements:-

- (a) Unique raw material received at Op-20-0 from U.S. and Canadian stations will be forwarded to G.C. and C.S. and unique raw material intercepted by U.K. stations will be forwarded to Op-20-G in both cases via B.S.C., New York.
- 7. In view of the need for FAMEF to have, as early as possible, all the output outlined in paragraph 2, you are installing a manual circuit at Quam. It is estimated that this should be operative in about 3 weeks and that it will carry upwards of 10,000 groups per day each way. Pending the opening of the teletype circuit, the manual circuit will carry the more urgent thus matter both ways, as much of the balance as possible being sent via melbourne.
- 8. The Melbourne Golombo link will now carry 32,000 groups per day each way, but this should increase to 50,000 shortly.
- 9. The main purpose of the new circuit is to place PhUPAC and PhUEP in the centre of the bhUSA circuit instead of at the extremities.

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ENCLOSULE B

DHAFT OF SIGNAL.

From: C-inC., R.P.

To: ADMIKALTY

ULTEA.

-6 October 1944

Para. 1. Admiral heamen has indicated to me his re-organisation in the Pacific Area and has gut forward proposals, with which I agree, for linking up anderson in this area not work.

Para. 11. He-organisation in the PACIFIC Aldia.

- (a) It has been decided that U.S. exploitations on all cyphers will be concentrated in PhUPAC. Only minor systems and traific analysis will continue to be worked at Melbourne.
- (b) With this object in view, arrangements are being made immediately to pass to PhUPAG and Op-20-G by radio teletype all unique rew material intercepted by U.S.N. and R.A.N. intercept stations in Australia.
- (c) An intercept station is being established in GUAN which will pass raw material to FAUPAC and Op-20-6 by radio teletype.
- (d) An intercept station has been established at ADAK to pass raw meterial in a similar way. Other intercept stations will be established as required.
- (e) Intelligence portaining to Australia and adjacent waters and that concerning major strategic moves will be passed to Melbourne. All intelligence derived from its own processing will be passed by melbourne on MUSA.
- (f) ULTHA weather information will be passed direct from Navy Westher Central Navy Westher Central Manus.
- Pere. 111. In order to assist FRUKF in functioning efficiently as an exploitation contro and to ensure more rapid exchange of operational intelligence and recoveries on current systems, Admirel headen has proposed that PhUP/C be linked to PhUKF by a radio teletype circuit via GUAA. He has offered to make available the necessary equipment in United States within 60 days.
- (b) Arrangements are in hand now to increase the efficiency of the Anderson-Melbourne high speed link to make it possible to pass an increasing volume of operational intelligence between FAUPAC and FRUEF Via Melbourne.
- Pers. IV. When the radio teletype circuit has been established, the two main exploitation centres PRUPAC and PRUEF would have three channels for intercorranication.
- 1. FRUEF GUAN PRUPAC, capacity of about 100,000 groups to be used primarily for interchange of intelligence and recoveries of current interest.
- 2. FRUEP LEILOUINE FRUPEC, capacity of about 80,000 groups .. to be used for any overflow of intelligence and recoveries and as necessary for raw material.
- 3. FhUP/C NEG/T SKIDL PhUKF to be used as necessary if the other two channels are full.

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ENCLOSURE B (continued) (copy)

Para. V. (a) For the immediate future there will be no alteration in the existing routing of bausa traitie.

- (b) In the near future when the Melbourne-Colombo circuit can uncertake it, PhUPAC and PhUHP, by mutual arrangement, will common routing bhUSA traffic via Melbourne, working up to capacity of this link.
- (c) When GUAN ANDELSON radio teletype is in operation, FRUPAC and FRUEF would route ERUSA traffic by this circuit.

Para. VI. Routing of Traffic.

- (a) FRUPAC and FRULF interchange DAZE and DISC traffic, in addition routing their own production to MEDAT and SKOOL respectively.
- (b) DAZE and DISC traffic originating in Washington will be passed to FHUPAC and G.C. & C.S.
- (c) DAZE and DISC traffic originating in G.C. & G.S. will be pessed to Washington and FRUEF.
- (d) helbourne will supply its production of intelligence to FRUPAC and FRUEF direct and will be supplied by them with such intelligence as affects its area.
- (e) This routing of traffic will relieve congestion on the Atlantic channels. All that will remain will be Washington and G.C. & C.S. ts own DAME and DISC traffic.

Pere VII. kaw material from FRUEF to be passed to Washington via FRUFAC when conditions allow.

Para. VIII. It is considered essential to have an exchange of Sig. Int. Naval Limison Officers at Pubri Harbour and Anderson.