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SUBJECT: National Security Agency Traffic Performance, August 1954

TO: Commanding Officer  
 Field Station, 8604 AAU  
 APO 843, c/o Postmaster  
 New York, N. Y.

1. The inclosures are a table and graph summary of the performance of Army stations serving this Agency for August 1954.
2. An explanation of terms used in the table and chart follows:
  - a. Time lag;
    - (1) TIME OF ENCRYPTION TO TIME OF RECEIPT (TOE-TOR) - Time the message was encrypted at the field station to time it was received in NSA.
    - (2) TIME OF ENCRYPTION TO TIME OF FILE (TOE-TOP) - Time the message was encrypted in the cryptographic center to time message filed in communications center. Date-time group used as time of encryption.
    - (3) TIME OF FILE TO TIME OF RECEIPT (TOP-TOR) - Time of file at the station communications center to time of receipt in NSA communications center.
    - (4) TIME LAG - Computed to the nearest minute by sampling 20% of the traffic received from each station. Period covered for time lag is 4 August through 31 August 1954. The bars in the chart are a graphical representation of the average time lag of the stations of each area and the overall time lag of all stations. Only first-run traffic is subject to time study; serviced traffic is not included.
    - (5) TOD - TIME OF DECRYPTION AT NSA.
  - b. Groupage (all figures daily averages);
    - (1) RECEIVED - Total volume of all types of traffic received within calendar month. This figure is listed in the chart below the pies.

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- (2) USEABLE 1ST RUN - Groups decrypted. Also includes clear text messages and duplicated traffic inadvertently decrypted.
- (3) SERVICED - Groupage requiring servicing. First request only.
- (4) DUPES - Duplicated traffic.

3. Time elapse figures for on-line traffic will not be shown until present method of presentation is revised.

FOR THE DIRECTOR:

2 Incls:

- 1. NSA Traffic Performance Table (Army) August 54 ( 1)
- 2. NSA Traffic Performance Chart (Army) August 54 ( 1)

cc: AG       NSAAL     P/P  
 C/S       COMP     NSAEUR  
 PROD     COM (2)   NSAUK  
 NSAFE    61

M/R: Self-explanatory.

G. B. Brock, LtCol USAF, COM/147/481/jas  
 28 Sep 54

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ASA Hawaii	w/2 Incls	( 2)
ASA Alaska	w/2 Incls	( 3)
8601 AAU	w/2 Incls	( 1)
8602 AAU	w/2 Incls	( 1)
GAS-23	w/2 Incls	( 1)
GAS-53	w/2 Incls	( 2)

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