

~~CONFIDENTIAL~~  
**Office Memorandum • UNITED STATES GOVERNMENT**

TO

DATE: 22 March 1966

25X1A9a

FROM

SUBJECT: Modified Numbering Module Test Results

*ops (later) modified  
numbering unit at  
St. D. once each 2 hrs  
E.H.*

The modified numbering module was wired to send ESA and placed upon WASH/ALFA circuit (100 wpm - 24 hour service) on 29 January 1966. Instructions were issued to operators and technicians stating that under no circumstances was contact cleaner or any work to be performed upon this module.

The following is a breakdown of the module's performance:

1. Placed upon circuit 20 January 1966
2. Removed from circuit 21 February 1966 with a message count of 4044
3. Module was placed on a simulated position 21 February and completely cycled 9 times for a total of :  
999 x 9 = 8991 operations
4. 22 February module was again cycled 6 complete times for a total: 999 x 6 = 5994 operations
5. The module was returned to operations on 22 February and removed 22 March at 0830. A total of 3638 operations was logged during this period.
6. Totals:
 

|                                   |
|-----------------------------------|
| 3638 messages                     |
| 4044 messages                     |
| 8991 tests                        |
| 5994 tests                        |
| <hr style="width: 100%;"/>        |
| 22,667 test and operational total |

This module has performed as a trouble-free unit during the entire test period. It required no attention other than test observations. Distortion was checked on both the modified module and the replaced unmodified module with the following results:

(DAC V at input KW-26 jack)

- A. Modified Module:
  - 10-12% total peak
  - 0 mark bias
  - 10-12% space bias
- B. Unmodified Module:
  - 16-18% total peak
  - 0 mark bias
  - 16-18% space bias

The same readings were observed using the modified module before removing it 22 March for return to Engineering.