

12 JUL 1963

MEMORANDUM FOR: Director of Communications

SUBJECT : Computer Impact Report

**REFERENCE : Memo CSD 63-268 from C/CSS/OC
to D/S dated 17 June 1963, subject
as above**

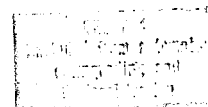
1. The following is submitted in reply to the request of the USCSB Special Committee on Compromising Emanations for information regarding the impact of placing all computer systems within shielded enclosures.

2. There are presently twelve (12) computer systems in operation in this Agency and two (2) are planned for the near future. It is anticipated that during the next few years there will be a notable increase in the use of computers within the Agency which cannot be estimated at this time. Attached is a listing of the components utilized with each current computer system.

3. It is estimated that the cost of shielding all areas in which computer systems are presently utilized or planned in the Agency would approximate \$1,737,000. If only the computer systems were installed in shielded enclosures, this sum would be reduced to approximately \$1,000,000. This does not include labor, freight, and possible structural modification costs.

4. In assessing the impact of requiring all computer systems to be installed in shielded enclosures, it is felt that other factors must be considered such as the morale of employees and loss of efficiency in operating the equipment. In addition consideration should be given to the fact that most departments and agencies have outside contractors, many of which utilize computers in conjunction with classified contracts. Under current policy, such computers also would be required to be installed in shielded enclosures, the cost of which would eventually be borne by the Government.

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5. It is the feeling of this Office that as opposed to the current policy requiring all computers to be installed in shielded enclosures, a more realistic approach would be for the Emanations Committee to disseminate information concerning the hazards of individual computer systems and permit each agency to take such action as deemed necessary. Action, if required, would be based on the results of operational tests of each computer location and consideration of related factors such as availability of hostile listening posts, physical security control of surrounding areas and sensitivity of the information processed. Actions could range from installing individual computers in shielded enclosures to relocation of computers or perhaps enlarging the area of physical security control.

SIGNED

R. L. Bannerman
Director of Security

Distribution:

Orig & 1 - Adse
1 - DD/PPS
1 - Eng/Computers
1 - Eng/Shld Enc.
1 - TD Chrono

OS/TD [] :dmb:2533 (7-5-63)

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TRANSMITTAL SLIP		DATE
TO: <i>DD / PPS</i>		
ROOM NO.	BUILDING	
REMARKS:		
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FROM:		
ROOM NO.	BUILDING	EXTENSION

FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

GPO : 1957-O-439445 (47)