SECRET

15 November 1963

25X1A9a

MEMORANDUM FOR: [   ]

SUBJECT   : Testing Procedures for the DARE System

1. In the winter 1962, Document Division conducted a pilot operation in processing documents for full-scale use of DARE in the Intellofax System. That pilot operation, coupled with the use of DARE for Nodexed documents, enabled Document Division to experiment with procedures and to surface the problems which the Division would face under a full-scale DARE Intellofax System. Document Division believes, therefore, that it has enough information at hand, without further testing, to go into operational use of DARE with attainment of high quality control of the DARE image and resolution of certain security problems.

2. Neither the Library nor Machine Division has, however, had opportunity to test operational use of DARE cards in the retrieval of coded material. Profitable testing by these Divisions in the preparation of machine runs from DARE cards was impossible without satisfactory accessory equipment. Without adequate print-out capability, Machine Division could not conduct a pilot operation in the preparation of Intellofax cut sheets from DARE cards; without adequate viewing equipment, the Intellofax Reference Group could not test the effects of DARE on screening for pertinent citations or identify the security problems created by the introduction of a first page as an Intellofax reference. Most important, a full-scale test of customer reaction to DARE in Intellofax has been impossible without both types of equipment.

3. The committee agrees, therefore, that a full-scale operational test of DARE equipment is necessary to identify and solve problems in retrieval. We believe, moreover, that initial testing should be done solely by OCR personnel and that customer participation should be solicited only after identified problems have been resolved. Such a two stage test affords best opportunity for achievement of positive customer
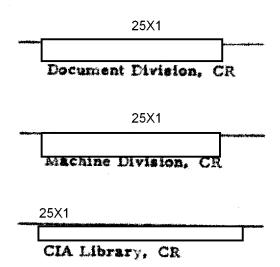
SECRET

SECRET

reaction to DARE equipment. In addition, development schedule of the accessory equipment is compatible with a two-stage test. The viewing equipment is ready now for initial operational testing by the IRG; the print-out equipment, essential to customer participation, is still undergoing technical testing and development in Machine Division and will not be ready for full operational testing for several months.

4. The committee also feels that a valid operational test requires a test corpus of substantial volume to ensure retrieval of sufficient DARE Intellofax references from all sources in most subject and area searches. It was agreed that the test corpus should contain a minimum of 35,000 to 40,000 documents and that all coded documents over a three months period should go into the test corpus. The IRG would begin work with DARE cards in screening and viewing tests shortly after the first DARE cards have been produced and punched. Customer participation would be solicited only after the entire test corpus is available and the print-out equipment ready for operational testing.

25X1

Document Division, CR

25X1

Machine Division, CR

25X1

CIA Library, CR

Attachment (2)

A. Document Division Procedures

B. Machine Division Functions for DARE Test

SECRET