Attachment A:

TMS FUNCTIONALITIES

- Scans Test Results: Allows users to feed test answer sheets into the scanner so the results of the tests can be stored in the CIS database and can later be printed.
- Modifies Test Information: Displays all students' test results. Allows modification of GED Practice Test information (PA, PB, PC, PC, and PE) and manual entry of GED Practice Test results.
- Install Scanner: Allows user to install the scanner to work with CIS/TMS module
- Grades tests: Grades the scanned test answer sheets against answer keys to produce the score.
- Allow user to view test diagnostic information
- Produces Reports: Test Listing Report, Master Testing Roster Report and TABE Test Progress Report.

The TMS will be able to record TABE scale scores up to 999. The TMS requires no new or special hardware; centers can use existing CIS PCs and printers for the TMS.

COMPARISON BETWEEN CMI AND THE NEW TMS MODULE

	CMI	TMS (CIS-Test module)
Hardware	CMI system requires special hardware, including a SCO Unix server at each Job Corps center, WYSE 150 Terminals, Okidata or Epson printer, Chatsworth scanner for TABE testing, and a NCS OpScan 2 scanner for GED practice tests.	No special hardware required. Centers can use existing CIS PCs and printers. Existing NCS OpScan2 scanner will be used for both TABE and GED Practice Tests.
Answer Sheet Forms	CMI requires centers to use several specially designed scanning forms from Chatsworth.	TMS will use one standard answer sheet for all TABE testing. The existing GED Practice answer sheet will be used for GED Practice tests.
Flexibility	CMI only supports the defined TABE and GED tests. It is not easy to add additional tests.	TMS will be flexible to handle any type of tests that use the 8 ½" x 11" scanner forms. In the future release, it will allow centers to develop their own tests.
Security	CMI system does not meet OIG security requirements.	TMS is part of the CIS system which will meet OIG security requirements.
Usability	CMI is an old character based program.	TMS is part of the CIS system, which most users are already familiar with.
Support	CMI requires a SCO Unix server to be located at each center, which makes technical support difficult and expensive.	TMS is part of the CIS system, so it will be easily supported.

Attachment A (continued)

EQUIPMENT AND SUPPLIES

The new TMS module is designed to be used with following equipment and supplies.

Workstation: Standard CIS workstations with network connectivity.

Scanner: Pearson NCS OpScan Optical Mark Read (OMR) scanner, model OpScan®2 or OpScan®4U.

The National Office purchased and deployed at least one OpScan®2 to each center two years ago as part of the CMI upgrade for GED Practice Testing. The National Office has also purchased hardware maintenance service from Pearson NCS for all existing scanners. Centers are responsible for ensuring the scanner is functional prior to the deployment. TABE administrators are encouraged to work with their center's technology point of contact (POC) to install the scanner.   See below for more detail on the scanner and the hardware maintenance program.

Adaptor Cables: JCDC will be shipping one adaptor and a network patch cable, which are both required to connect the OpScan Scanner to the serial port on the computer at each center. The adapter and cable will be sent via Fed-Ex to the attention of the Center Director's office.

Scanning Forms: The "Official GED Practice Tests" scanning form booklet that is currently in use will continue to be the source for all GED Practice Tests. Please note that the TMS module is required to allow the scanning of all five GED practice tests (PA, PB, PC, PD & PE). See re-ordering information below under Answer Sheets (Scannable Forms).

All TABE Tests will require the use of a new "Job Corps General Purpose Answer Sheet," an 8 ½ x 11 full-size answer sheet that has been specially designed for Job Corps. The old CMI answer sheets (narrow format) will no longer be used, except for classroom instructional use of the CMI system. The Data Center will provide each center with an initial supply of the new forms prior to deployment. Centers are responsible for re-ordering the supplies when needed. The Data Center will provide more information on how to re-order this form. (See Attachments C and D for sample forms.)