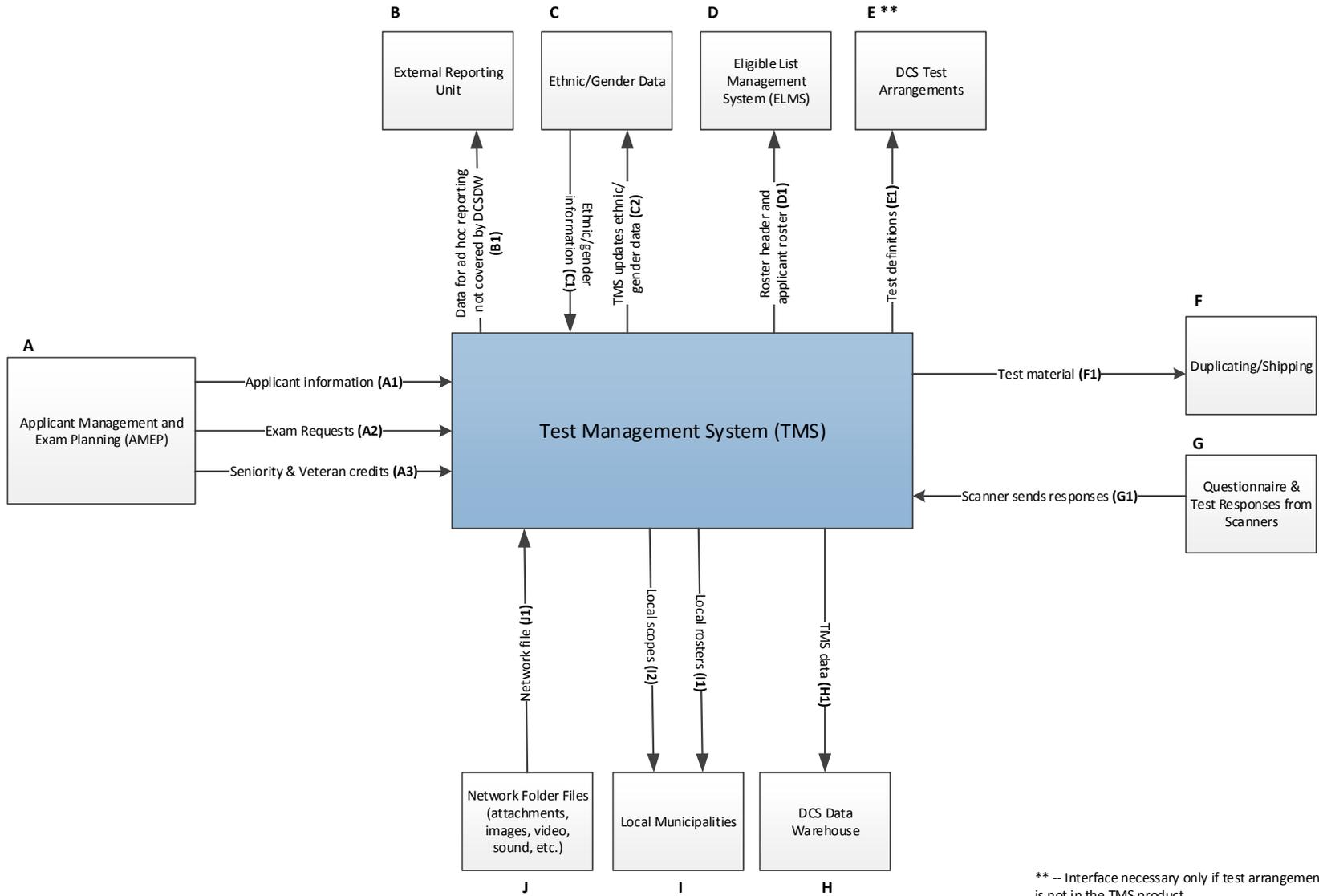


**Test Management System (TMS) Interfaces**



\*\* -- Interface necessary only if test arrangements is not in the TMS product.

## **Overview:**

ITS will provide an output file of all historical data that is required to populate TMS. This will be part of the initial load/one time that will be required to stand up the product.

Vendor is responsible for importing and exporting all data required by TMS to other downstream systems. This may be available through an ETL (extract, translate, and load) or protocol that aligns with NYS ITS technical requirements.

## **Exam and Applicant Management (EAM)**

### **A1: Applicant information**

TMS will need information such as:

- Applicant Social Security number
- Applicant name
- Applicant address \*
- Applicant email addresses \*
- Applicant phone numbers \*
- Applicant review status
- Applicant eligibility date

### **A2: Exam Requests**

TMS will need:

- Examination number
- Examination title
- Examination date
- Job title \*\*\*

### **A3: Seniority & Veteran credits**

TMS will need:

- Candidate identification information
- Number of seniority points allowed
- Number of veteran credits allowed

## **External Reporting Unit**

### **B1: Data for ad hoc reporting not covered by DCSDW**

At times, up-to-the-minute reporting is needed, where information from the Data Warehouse may not be as current as necessary. If the report necessary is not covered by TMS canned reports, the Department's Reporting Unit will need access to data to create these ad hoc reports. (Mostly arrangements reports)

## **Ethnic/Gender Data**

### **C1: Ethnic/gender information**

TMS will receive ethnicity and gender information necessary for test item analysis.

TMS will receive:

- Social Security Number

- Ethnic code
- Gender code
- Information source

**C2: TMS updates ethnic/gender data**

TMS will send any updated information to DCS from online tests that include this information:

- Social Security Number
- Ethnic code
- Gender code
- Information source

## Eligible List Management System (ELMS)

**D1: Roster header and applicant roster (D1)**

Roster header information includes:

- Examination Number
- Examination Series Date
- Applicant Count
- Passed Count
- Failed Count
- Disqualified Count
- Failed-to-appear Count
- Examination Holding Type

Applicant Roster information includes:

- Applicant SSN
- Applicant Status Code
- Examination Number
- Examination Series Date
- Candidate Banded Score
- Candidate Department/Promotion Unit Codes
- Candidate List Option
- Candidate Rank
- Candidate Eligibility Date

## DCS Test Arrangements

**E1: Test definitions**

TMS must provide test definitions, which include: \*\*

- Examination number
- Examination title
- Set number. This is a group of exams that use the same combination of booklets
- Booklet numbers
- Series code
- Time allowance

## Duplicating/Shipping

### F1: Test material

TMS must provide:

- Test booklets in electronic format
- Other materials, such as instructions

## Questionnaire & Test Responses from Scanners

### G1: Scanner sends responses

Numerous different flat files must be imported from the DCS scanner: various forms of answer papers, questionnaires. Information may include:

- Social Security number
- Series date
- Booklet number(s)
- Item responses
- Scan date
- Answer paper type code

## DCS Data Warehouse

### H1: TMS data

The Department has a need to have data sent to the Data Warehouse on a regular basis.

## Local Municipalities

### I1: Local rosters

Each municipal civil service agency may view examination results, for their own agency only, and may download that data to facilitate the list establishment process. They do this via the Department's public Web site.

Roster information includes:

- Examination number
- Examination title
- Examination date
- Candidate name
- Candidate Social Security number
- Raw score
- Final score
- Answer paper batch number
- Answer paper sequence number
- Veteran credits allowed
- Seniority points awarded
- Band score table where applicable
- Number of passed, failed, and withdrawn candidates

## **I2: Local scopes**

Each municipal civil service agency may view examination scopes, for their own agency only, and may download that data to incorporate it into the examination announcement. They do this via the Department's public Web site.

Scope information includes:

- Examination number
- Examination title
- Examination date
- Examination series name
- Scope release date
- Subjects of examination
- Calculator code
- Study guide availability code

## **Network Folder Files (attachments, images, video, sound, etc.)**

### **J1: Network file**

The Department has the need to attach various documents to various objects in TMS. These objects are embedded in test questions.

\*-- Denotes information only needed if TMS will be making test arrangements

\*\*-- Denotes information that will be made available to Exam & Applicant Management, only if test arrangements is not in the TMS product.

\*\*\*-- Denotes information that will be available in Exam & Applicant Management, but that DCS staff may prefer to see compiled in one place, rather than having to view in two different system