# OMB DITAP Capstone Skills Test Summary of Results

**January 23, 2017**

Overview

At the conclusion of the OMB DITAP program, participants completed a Capstone Skills Test to assess their knowledge regarding the objectives covered over the course of the whole program. This test included seven scenarios about digital acquisitions situations, with a total of 30 multiple-response items. All 26 current cohort members completed the Capstone Skills Test. The average overall score on the Capstone Skills Test was 79% of the total items correct. Scores were compared with cohort scores from the Pre-Assessment, administered during the program orientation.

Capstone Skills Test Results

* **Total Capstone Skills Test average overall score, score distribution**
  + All 26 of the participants currently enrolled in the course completed the Capstone Skills test.
  + The average total score was 23.81 items correct out of 30 total items, or 79%.
  + The lowest score was 16 (53%); the highest score was 28 (93%).
* **Scores by Release**
  + Items on the Capstone Skills Test assessed topics covered in all four program releases. Performance was the highest for Release 2 content and the lowest for Release 1 content.
  + Mean percentage scores for questions covering each of the release content are provided in the following chart:
  + Score ranges for each of the Releases were as follows:
    - Release 1: 29% to 100%
    - Release 2: 40% to 97%
    - Release 3: 41% to 100%
    - Release 4: 38% to 100%

Capstone Skills Test Results by Performance Objective

As previously described, the scenarios presented in the Capstone Skills Test were developed to assess all of the performance objectives covered during the program. Scores for these 29 performance objectives are presented in the table below, sorted from highest to lowest average score. The average scores for 21 of the 29 performance objectives were 70% or higher.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Performance Objective** | **Average  Score** |  | **Performance Objective** | **Average  Score** |
| 2.5 | 92.9% |  | 3.7 | 74.4% |
| 4.3 | 89.4% |  | 4.7 | 73.5% |
| 4.1 | 88.5% |  | 2.7 | 72.1% |
| 2.1 | 87.5% |  | 3.6 | 71.2% |
| 4.8 | 83.7% |  | 1.6 | 70.2% |
| 2.4 | 80.8% |  | 1.7 | 70.2% |
| 1.5 | 80.8% |  | 1.1 | 67.3% |
| 2.2 | 80.8% |  | 4.9 | 67.3% |
| 2.6 | 80.4% |  | 2.3 | 66.9% |
| 3.4 | 80.0% |  | 1.3 | 63.0% |
| 3.2 | 78.3% |  | 3.5 | 59.6% |
| 3.3 | 77.3% |  | 1.8 | 54.5% |
| 4.4 | 77.3% |  | 4.2 | 52.9% |
| 1.4 | 76.0% |  | 1.2 | 51.0% |
| 3.1 | 75.1% |  |  |  |

Capstone Skills Test Performance Comparisons

For each of the Releases, scores were calculated for both the Pre-Program Assessment and the Capstone Skills Test. The Pre-Assessment was completed before the program instruction began, while the Capstone Skills Test was completed at the conclusion of the program. The table below displays the comparison between scores on the Pre-Assessment and the Capstone Skills Test.

|  |  |  |
| --- | --- | --- |
| **Comparison of Cohort Pre-Program and Capstone Skills Test Scores** | | |
| **Release #** | **Score Increase** | **Score Decrease** |
| **1** | 35% | 65% |
| **2** | 81% | 19% |
| **3** | 65% | 35% |
| **4** | 77% | 23% |

The majority of program participants saw an increase in their scores for Releases 2, 3, and 4. Release 1 is the only Release for which a large number of participants saw a decrease in their scores from the Pre-Assessment to the Capstone Skills Test. There could be multiple reasons for this. For example, having a different number of items to assess objectives from the Pre-Assessment to the Capstone Skills Test can have a large impact because there are few items to measure each objective. Alternatively, it is possible that because Release 1 was the furthest removed timewise from the Capstone Skills Test, that participants did not recall information as well or did not retain as much information because they were still learning about how the course was structured in the early days.