Examiner’s report

# CTSI Professional Competency Framework

# Stage 2: Unit 4 Weights and Measures Practical Examiner’s Report November 2019

# General

The practical exam was sat by 12 candidates this year, 8 of whom achieved the pass mark of 40% (66% pass rate). The range of marks was from 25 to 71, a wider spread than in recent years.

The exam consisted of 2 “traditional” practical questions and 2 scenario questions that were based on Directive 2014/32/EU. Each question was worth 25 marks. On average the scenario questions were answered better than the practical ones (Av 12.3 marks against Av 11.2 marks)

All candidates were given the practical question on testing a Non-automatic Weighing Instrument and it was answered the best with an average mark of 13.3. The question on Measuring Container Bottles (given to 6 candidates) produced the lowest average mark of 7.4 and was, with one exception, very poorly answered.

The Scenario question on Liquid Fuel Measuring Instruments (given to 6 candidates) was answered best with an average of 14.3 marks. All candidates were given the question on Material Measures of Length and this question had the lowest average mark of 10.5.

**Specific questions**

NAWI- Time was an issue with this question as few fully completed the tests and even fewer produced a graph. The best answers were the ones that were clearly set out using tables. The errors on the instruments are known to the examiner and whilst no error at zero makes subsequent calculations simpler, easy marks are lost by taking this approach. Candidates should take care to identify equipment and to note serial numbers.

MCB- This question was the one that candidates gained the fewest marks on. No candidate managed to complete it and if it were not for one candidate gaining 84% of the available marks the average for this question would have been just 5 marks.

AQ- This question was generally well answered with time being the biggest factor with few complete answers. Some candidates failed to convert grams to millilitres.

Bulk Fuel- The test sheet for this question was poorly completed overall, with candidates generally failing to state the correct error percentage or take the hose dilation into account.

LFMI- Generally well answered with one candidate gaining 80% of the available marks

MMOL- Several candidates failed to correctly identify the measure and consequently applied the wrong formula. Few appeared to have reviewed the test form approved by the Expert Panel.

**General Comments**

Good time management is key for successful results in this exam. There are two questions to be completed in an hour and keeping to a 50/50 split is crucial. It was clear that candidates were taking too much time on the first question leaving very little left over for the second.

Questions for this exam can be drawn from the entire syllabus and thorough completion of the portfolio, and practice, is essential.