

# Erasmus+ project: Qualification, Validation and Certification of Maintenance Personnel

Goto meeting, 17<sup>th</sup> February 2020

## **Present:**

Guðmundur Jón Bjarnason  
Torsten Ekström  
Ilkka Palsola  
Zsolt Nyeste  
Ingemar Andreason  
István Páll  
Damjan Maletič  
Tomáš Hladík

## **Absent:**

Maria Malmrud  
József Csiba  
Mikaela Malmrud  
Silvia Stepanova  
Jaakko Tennilä  
Jan Skarka

### **1) Review of the previous protocol and time tabel/budget for the next project step**

Torsten mentioned that our goal is to reach 1000 MCQ and 200 OQ for each level, experience has shown that typically it takes about one hour for MCQ but more for OQ. We will try to create as many questions as we can using the available budget.

### **2) Development of validation questions:**

Ingemar is writing a manual to manage a temporary system for collecting questions. Will the exams be in English or in the national language? It has not been decided, but it is clear that English is the main language. When all questions have been approved, we can look closer at the translation into the national languages.

All nations have uploaded 5 questions to begin with, as suggested at our last meeting. Practical comments regarding this:

- Ingemar will give feedback on the questions created so far before the end of the week

It is important to distribute the workload. It was suggested to create 100 MCQ per month per nation. One month after the questions have been created they can be tested in the database. We will continue focusing on MCQ testing knowledge for managers and supervisors/engineers.

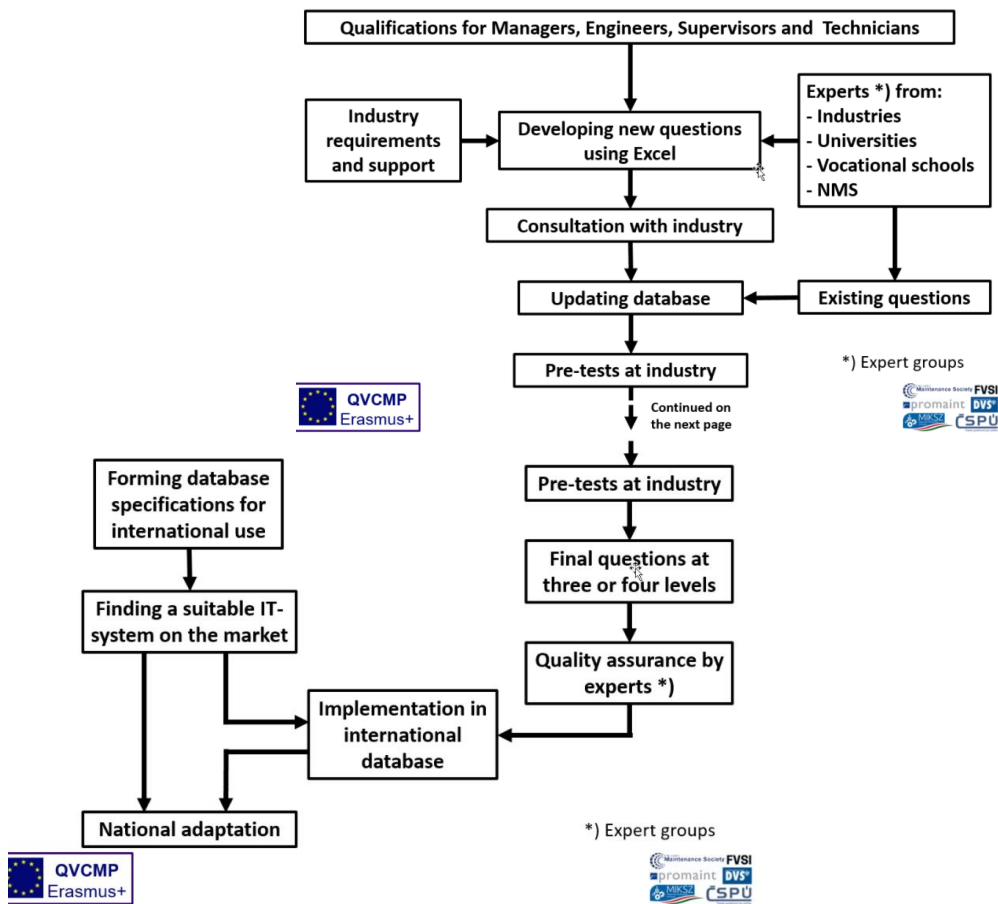
Will previous questions available be used? How can we avoid overlapping questions? It was agreed that we need an agile approach and to check the produced work frequently. Torsten will arrange for this to happen, 15 minutes - 30 minutes. Minutes will not be written unless needed, that is asked for since we are changing direction.

Torsten illustrated that one question may be used for EQF-4, 5, 6 and/or 7, that is one question can be used for more than one level and even for all. We should decide for each question what is its main EQF level.

Ingemar presented the process for developing the questions, see below. He mentioned that each question will get a unique number.

It was suggested and agreed that, while creating the questions, each nation should add reference whereupon the questions are based, e.g. standards and widely accepted literature. Torsten will add a “space” for this in the framework model.

## 2. Development of questions and QA



### 3) Other issues

No other issues discussed.