

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

GoTo meeting, 14<sup>th</sup> June 2019

## **Present:**

Guðmundur Jón Bjarnason  
Torsten Ekström  
István Páll  
Jaakko Tennilä  
Zsolt Nyeste  
Damjan Maletič  
Tomáš Hladík, arrived late

## **Absent:**

Maria Malmrud  
Mikaela Malmrud  
Jan Skarka  
Ingemar Andreason  
József Csiba  
Ilkka Palsola

### **1) The qualifications scheme - Work done since last meeting**

- From last meetings: Proposed to have 3 separate Excel sheets (Manager; Engineer; Technician), still all with the same A - D columns
  - We start with EN 17007 (columns B, C and D) as a platform, later we will look into which subjects from BoK may be missing
  - BoK chapters in column A need to be aligned, Guðmundur will take a look at it ... has been done.
  - We will base competency/skill/knowledge on EN15628, start with the focus on only competencies for Managers, Engineers and Technicians, only one competence for each line (line duplicated if needed) ... latest ready June 12th. All inputs done on-line, that is all are using the one and same document in Google Drive
    - Guðmundur will take lines 2 - 39 (to end of PRV), done
    - István 40 - 77 (from COR to end of ACT), done
    - Tomas 78 - 109 (from IMP to end of BUD), will be ready Monday morning
    - Torsten 110 - 151 (DOC to end og MRQ), done
    - Damjan 152 - 188 (OPT to end of TOL and end of list, done
    - After that we may separate the Excel document into three and start to add skills and knowledge
    - For each and every line in the Excel sheet, we will then have many questions
  - Note: Per one line (A-D) (in the final Excel-version) there can only be one competence coming from the 15628

- Discussion about the Excel sheet on the meeting June 14th:
  - Usually not difficult to go from 15628 competence and find it a place in the Excel sheet based on 17007, some competences apply to more than one row in the Excel sheet
  - The 15628 and 17007 framework are obviously different
  - Our plan is to add elements, for example IIoT elements, into the Excel sheet, even though not mentioned in 15628
  - Mentioned that EN 17007 is a good framework, better than 15628
  - It was discussed how the questions will be connected to the new framework, for example will the questions be connected to
    - Competence, and/or
    - Skill, and/or
    - Knowledge

This question may be partly answered by having a two level exams, the “first level” based on knowledge and multiple choice questions and the “second level” also based on skills, competences, experience and former education.

- It has been decided that EN 15628 will be updated. Jaakko (Ilkka and/or Kari) and Torsten (or others from Sweden) will participate in this work and bear in mind relation to our work.
- The Finnish group will now take this work, with our Excel sheet, further
  - Team of four guys will work on the Excel sheet next week, including Jaakko and Ilkka
  - They will amongs other things address skills and knowledge and see how far they can get adding 15628 knowledge and skills into the sheet
  - When done, the Finnish group will send a message to all
  - In August the goal is to seperate the Excel sheet into three sheets (managers; eng/supervisors; technicians)

## 2) Use of standards

From our last meeting: Torsten pointed out that we may have to make agreement with CEN before publishing our work, since it is based on standards, especially EN17007 and EN15628. Torsten will take this further from the point of view that the outcome of this project is likely to increase the importance of the standards. This may also apply to other standards, such as the standards for KPI’s and terminology.

Torsten has put the question to the Swedish standard institute. Now answer yet, but Torsten will do some investigation. Jaakko has also asked around and gotten feedback from a person at the Finnish standard institute that meant this should not be a problem.

### **3) Next meeting, action list and other items**

We have other items that needs to be addressed, but they were not addressed now.  
Next meeting will be held on July 11th.