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

Goto meeting, 21 st December 2020

Present:
Guðmundur Jón Bjarnason
Torsten Ekström
Ilkka Palsola
Páll István
Ingemar Andreason
Zsolt Nyeste
Tomáš Hladík
Ásmundur Jónsson
Sveinn Ólafsson
Damjan Maletič
Attila Kiss

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

1) **A generall status update (Erasmus+ Follow up of MCQ)**
   The number of MCQ today, December 21 st is as follows

	CS	FI	HU	IS	SL	SV	Total
Total	290	316	229	293	152	341	1623

   The number of MCQ, November 16th as follows:

	CS	FI	HU	IS	SL	SV	Total
Total	290	316	229	248	147	341	1573

   October 19th:

	CS	FI	HU	IS	SL	SV	Total
Total	326	137	229	213	136	342	1378

   September 21st:

	CS	FI	HU	IS	SL	SV	Total
Total	305	97	221	165	117	294	1147

   August 17th:

	CS	FI	HU	IS	SL	SV	Total
Total	305	79	221	126	117	294	1090

   June 15th:

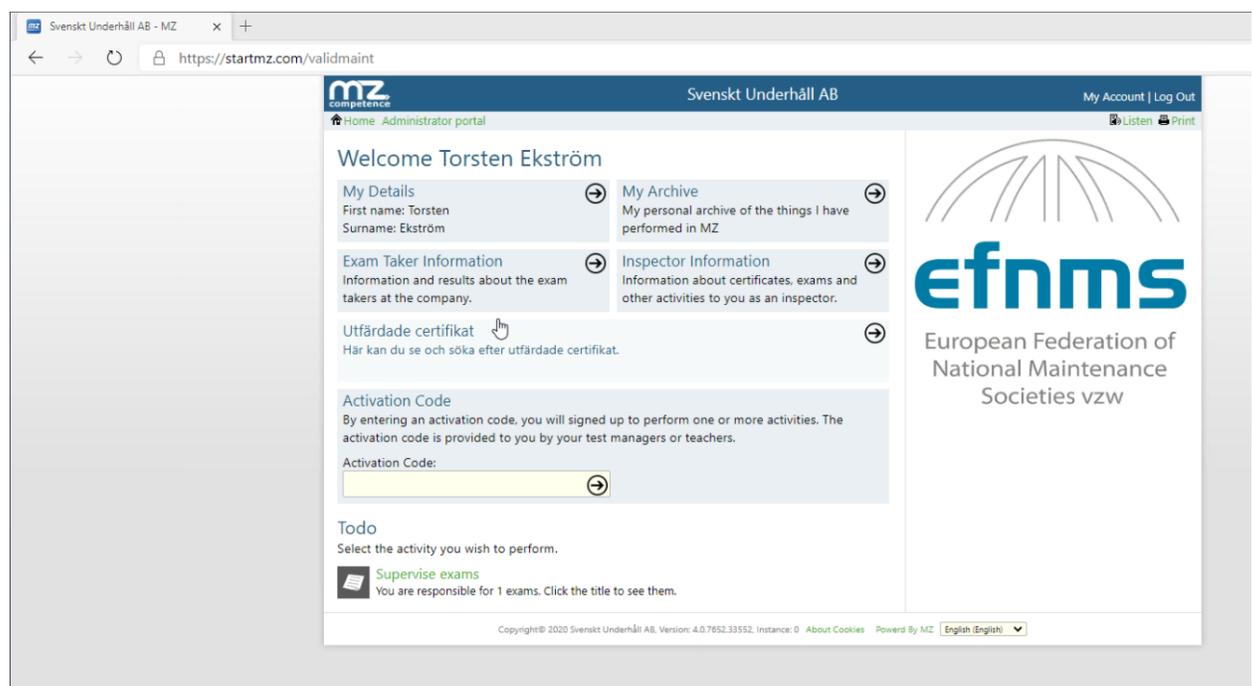|	CS	FI	HU	IS	SL	SV	Total
Total	305	79	221	82	100	286	1015

2) **Discussions about the questions, guidelines the MZ system and exams**

After having entered questions into the database Torsten reported that some of the subject - headlines may be misleading. This may call for modifications such as combining 1.1.5 and 1.1.6 and possibly combining 2.3.2 and 2.3.3. Also, some of the subjects may be empty or close to empty for the maintenance manager, but will get entries for other levels.

We still have the chapters for Basic knowledge and Technical English. Some question if we need these chapters as the relevant topics / questions should be a part of other subjects and we should assume people have the needed background from the educational system. Also if a person takes the exam in English, then an English exam should not be necessary.

Also, do we need the "standard - subjects" as standalone subjects, or should they be included in other subjects? They can be both.

Torsten showed the MZ system, at least a part of it, focusing on how the questions have been collected under the subjects. We can use an activation code to do a test and evaluate the questions, Torsten has sent the activation code. The current test - exam has 60 questions covering two main areas. We should all do this pilot - test and write down comments we may have regarding the questions / answers and send to Torsten.

Within a couple of weeks we will have all the parts available within a test - exam.

Torsten showed a draft guidelines for creating questions, MCQ, CMCQ (Complex Multiple Choice Questions), CSCMCQ (Case Study Multiple Choice Questions) and OQ (Open Questions) for numerical questions.

The draft is on Google Drive in the same folder as the document counting the questions everyone should read it and comment as needed.

To repeat, the exam for the knowledge part is based on one point MCQ, created automatically in a randomised manner, and can be performed with very limited/easy administration and rather frequently.

The second part, the exam for the certification will be more formal, maybe done two times a year at the same time throughout Europe. That exam will be created "manually" based on the material we have. For the future we will try to do this automatically as well in a practical manner for the market and for the test centers.

ECC will discuss this in more details, that is how we set up the exams and how frequently.

To begin with we will create CMCQ, CSCMCQ and OQ in Microsoft Word, later this can be put into a pdf format for the system. Other formats, such as drawings, shall also be convertible to pdf.

Regarding the reading material / information provided for more complex questions it is recommended that some extra information should be included, i.e. the student should be able to find out what information is relevant. Will be included in the guidelines.

3) **Review of the previous protocol**
   Not discussed

4) **Updated qualifications - Proposal and decisions**
   Not discussed

5) **The QVCMP web page**
   Not discussed.

6) **Other issues**
   Next status meeting will be Monday January 11th.