



EWP LOs standard & RPL tools National Testing

Norwegian Piloting Report

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Developed by:



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1. QUESTIONNAIRE RESULTS IN NORWAY

The purpose of this national report is to present the EWP LOs standard & RPL scheme pilots results from Norway. Below we presented the inputs obtained from questionnaires applied to trainees and trainers, after each testing session. The collected questionnaires have been analysed with the MakeIt project developed “data treatment templates” in Excel. The charts generated after inserting our questionnaires’ results in the EXCEL files, are presented in this report.

The Excel file used for the data treatment is:

- „E7 template data treatment_LOs_trainees”
- “E9 data treatment_LOs_trainers”
- „E5 template data treatment_RPL_candidates”
- „E6 template data treatment_RPL_institutions”

1.1 EWP LOs STANDARD PILOTS – TRAINEES SATISFACTION SURVEY

This questionnaire for this section, aims to evaluate the European Welding Practitioner learning programme (EWP LOs) regarding the structure of the course as well as the effectiveness of the methods and materials used.

CLOSE QUESTIONS

The Norwegian LOs pilot has been conducted in two different arenas, two groups at two different public upper secondary schools, total of eleven students in their teens. One group at a welding training and certification centre for adults, total of five students. Making the total numbers of candidates sixteen, for this pilot.

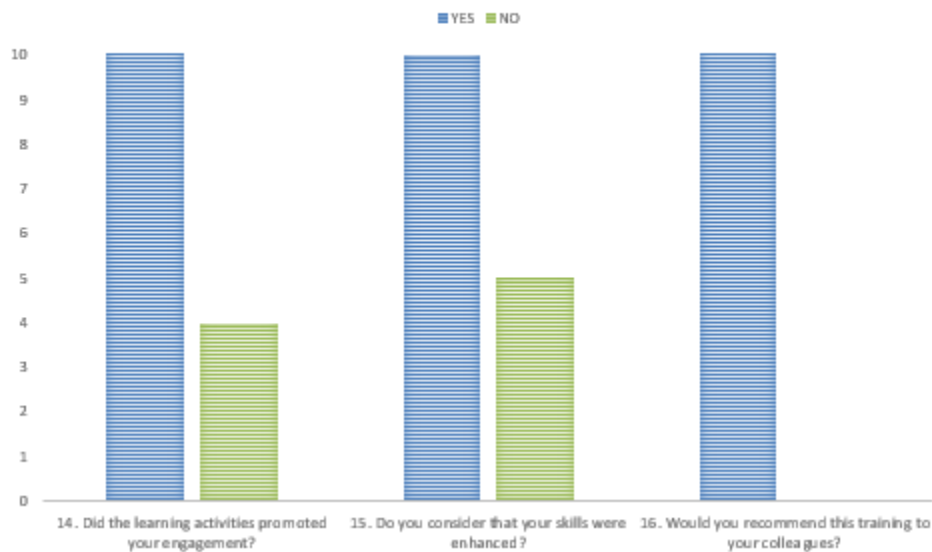


MAKE IT EWP LEARNING PROGRAMME - TRAINEES SATISFACTION SURVEY



The results obtained in the Norwegian trainees questionnaires, show that the great majority of the trainees are very satisfied with the quality level of the EWP training programme since, ten considered to be are very satisfied, and five considered to be satisfied. The results shows no significant differences between the teens and the adults.

MAKE IT EWP LEARNING PROGRAMME - TRAINEES SATISFACTION SURVEY





The results obtained in the Norwegian trainees questionnaires, show that the great majority of the trainees felt engaged and that their skills were enhanced. They would also recommend the training for their colleagues. The students that not felt engaged and enhanced, most certain are teens who has made education choices away from welding, at the time of the LOs pilots.

OPEN QUESTIONS:

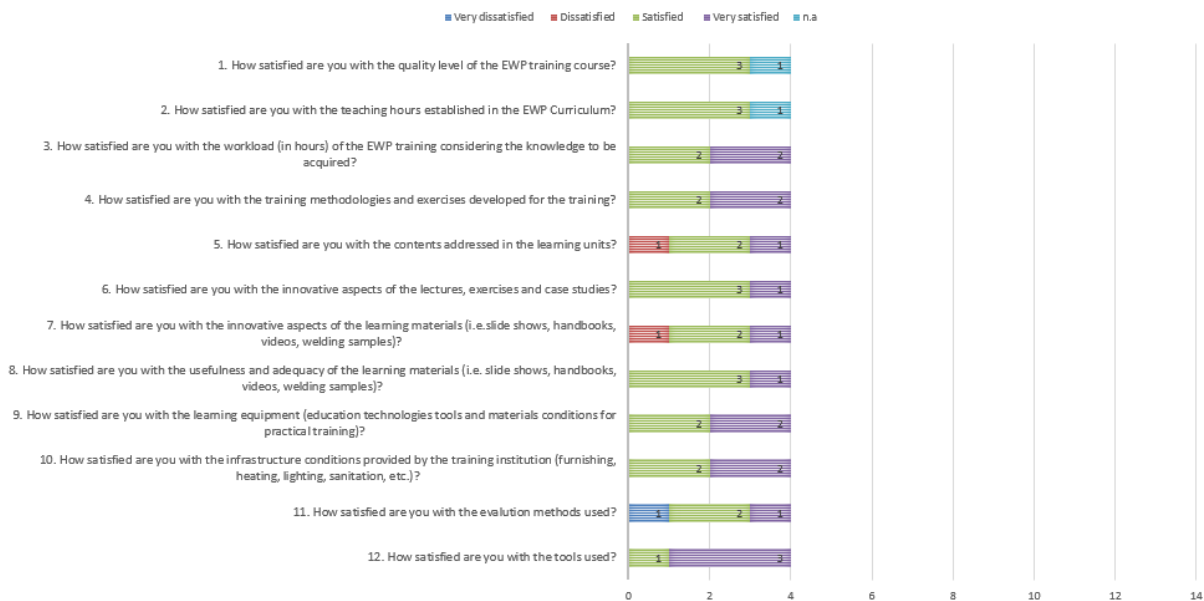
1. Please, indicate which practical exercises were suitable for learning and those who weren't? Only three answers for this question: *Calculation of heat input was new and interesting. It was hectic at the beginning a lot to do.*
2. Please, remark 3 positive aspects of the MAKE IT EWP learning programme? *Nice teachers and nice tasks, Understand deformation of heat input, Lot of practise, Working together*
3. What aspects of the MAKE IT EWP learning programme could be improved? *More time, thicker materials, Want to take the hole course, HSE we see what we can improve, more classroom education*

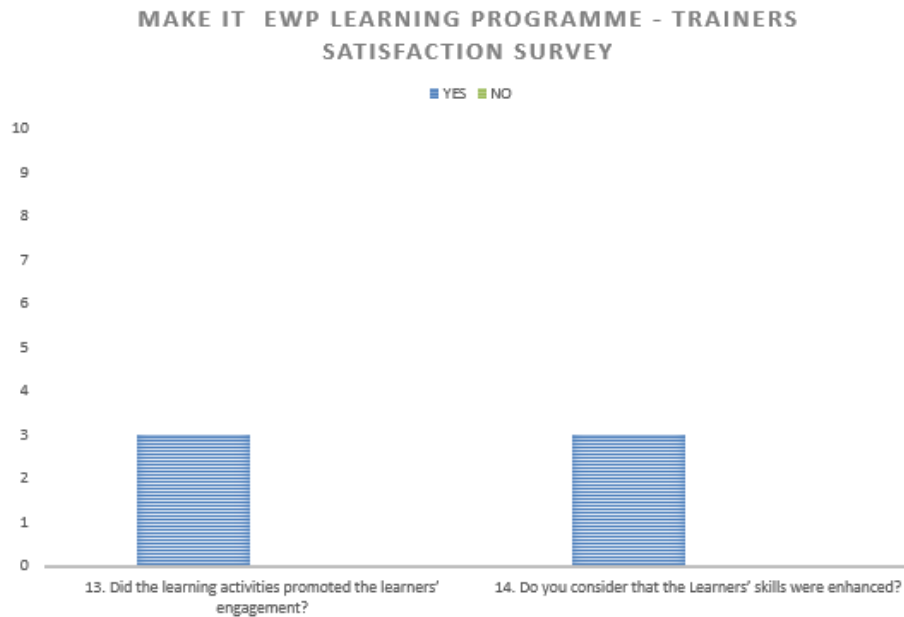
1.2 EWP LOs STANDARD PILOTS – TRAINERS SATISFACTION SURVEY

CLOSE QUESTIONS

Conducting the LOs pilots in Norway has involved just 4 trainers, the majority of the trainer are satisfied with the quality and the endurance of the EWP course. Three out of four trainers believes that the EWP course promote the learners engagement and that their skills level were enhanced.

MAKE IT EWP LEARNING PROGRAMME - TRAINERS SATISFACTION SURVEY





OPEN QUESTIONS:

1. Please, indicate which practical exercises were more suitable for trainees' learning and those who weren't? *HSE exercise were good, Students liked welding in thicker materials. Exercise 8, is time consuming.*
2. Please, remark 3 positive aspects of the MAKE IT EWP learning programme? *Good look in to what welding is, Must master more welding positions, techniques and materials, many WPS to choose from*
3. What aspects of the MAKE IT EWP learning programme could be improved? *Some exercises are to basic, change of gas tube as an example.*

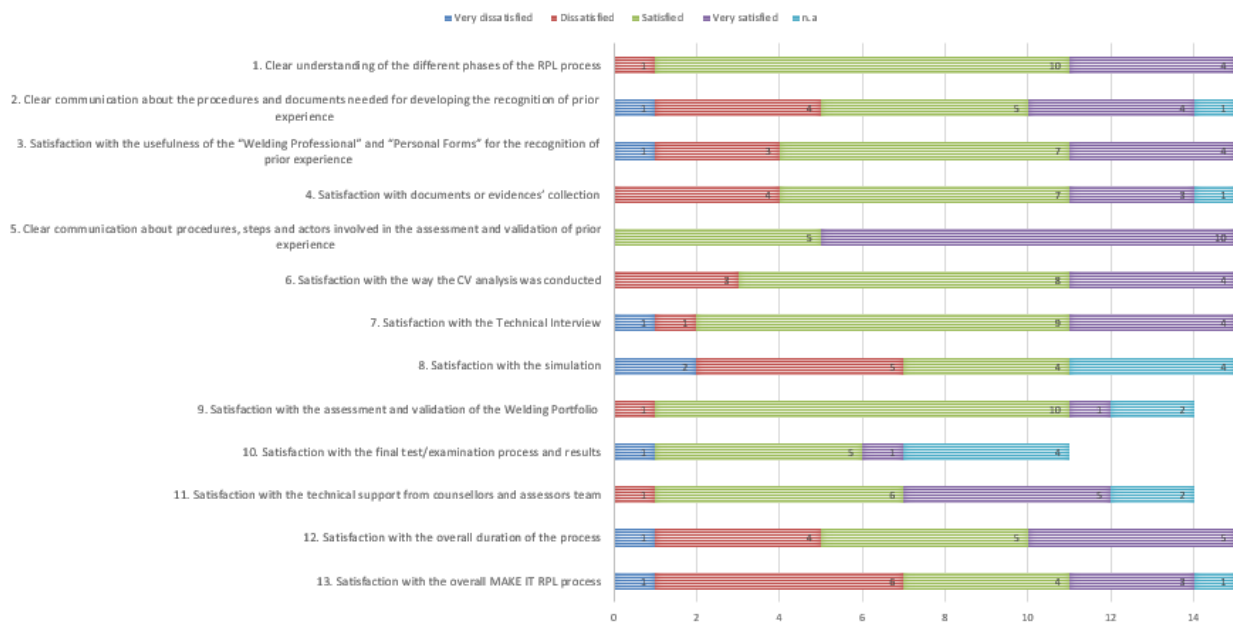
1.3 RPL SCHEME AND TOOLS – CANDIDATES SATISFACTION SURVEY

This questionnaire aims to evaluate the Recognition of Prior learning (RPL) model and tools from the candidate’s perspective, regarding the identification, documentation, assessment and validation phases of the process.

CLOSE QUESTIONS

The Norwegian RPLs pilot has been conducted in two different arenas, one group of eleven TVET teacher students, with very variable welding experiences, from low to certified welders with Norwegian journeyman’s certificate in welding. And a group of four TVET teachers from two different public upper secondary schools, all with professional welding backgrounds. Making the total numbers of candidates fifteen, for this pilot. Few of them were actual candidates for an EWP course. The majority of the respondents were satisfied or very satisfied with the RPL tools and process, it brought to their awareness their welding skills and competence or lack of so.

MAKE IT RPL PROCESS-SATISFACTION SURVEY CANDIDATES





OPEN QUESTIONS:

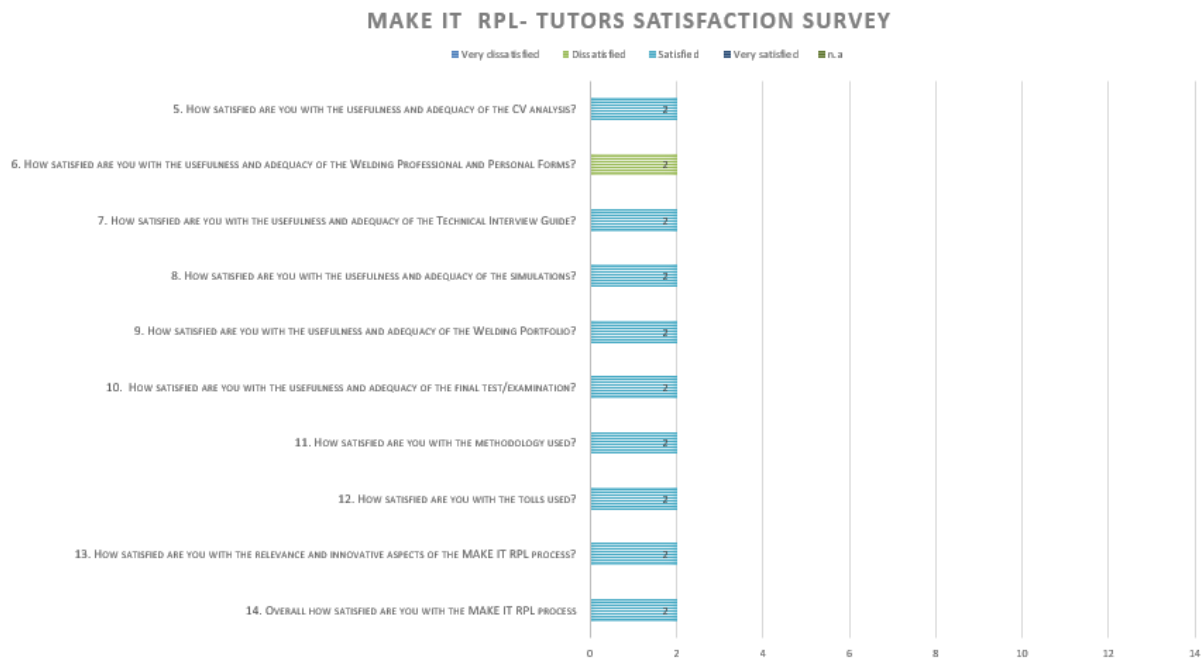
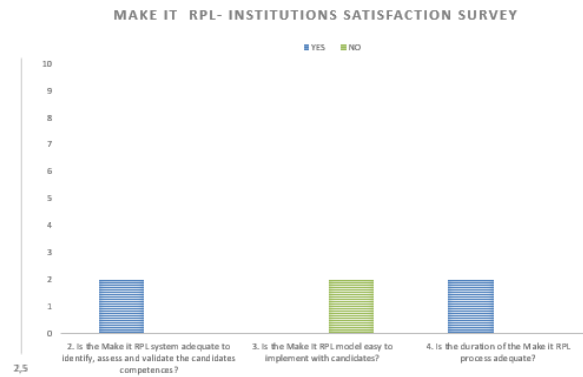
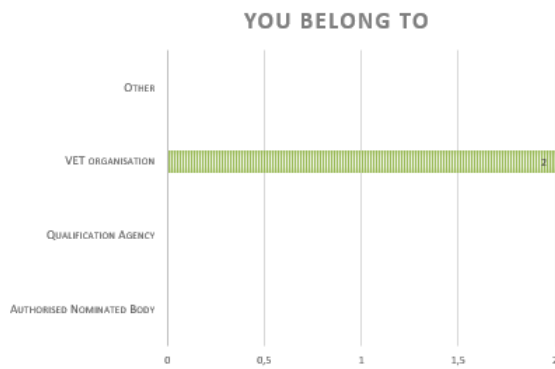
1. Please, indicate how is the RPL process important for further education or job opportunities? *I have proven my welding skills, Allows for increased welding skills.*
2. Please, remark 3 positive aspects of the Make it RPL System? *Thorough skills mapping, Becomes conscious own welding skills, Becomes aware what I need to learn more about welding.*
3. What aspects of the Make it RPL System could be improved? *Should be done on PC, my handwriting is not good, Not enough time for self-assessment, The drawings are inadequate, Some diffuse questions, Welding professionals more concrete questions*

1.4 RPL SCHEME AND TOOLS – INSTITUTIONS SATISFACTION SURVEY

This questionnaire aims to evaluate the Recognition of Prior Learning (RPL) model and tools from the institutions perspective (VET Institutions, Authorised Nominated Bodies, Regulatory Bodies).

CLOSE QUESTIONS

Conducting the RPL pilots in Norway has involved only two tutors, both from VET organisation. The respondents are positive to the RPL process and the time spent on it. The tools gives a good and thorough documentation of the RPL candidate`s prier welding experience and knowledge. The “Technical interview guide” was a huge improvement for the quality insurance for the EWP level of competes and the process as whole. The respondents did a group before the “Technical interview guide” was ready, and therefore they can compare this. Implementing the EWP diploma in Norway will be a challenge, we have our Journeyman`s certificate in welding at EQF level 4.



OPEN QUESTIONS:

1. Please remark 3 positive aspects of the Make it RPL System? *Thorough and good systematics, Learned a lot about EWP competence. The “Technical interview guide” was a important improvement.*
2. What aspects of the Make it RPL System could be improved? *The Drawings needs modifying, they do not follow ISO standards and have little to no welding information.*

2. FINAL CONSIDERATIONS

We have bene thru a laborious and thorough process, and have a new EWP LO based curriculum, aimed to be at EQF level 4. It`s well tested and adapted to the welders with several welding diplomas (IW). It may be necessary to adjusted taxonomic level of some exercises to meet the competences description for a EQF level 4 education.

We have developed and tested a thorough RPL tool that works well.

Implementing the EWP diploma I Norway will be a political challenge, we have our Journeyman`s certificate in welding at EQF level 4, it has a strong position both for the employees (unions), the employers (trade organisations) and the government with a national curriculum of 5348 hours of education and workplace based training, to become a skilled Welder in Norway.

The Norwegian government are the in process with a content reform for upper secondary education in Norway, all the journeyman`s certificate curriculums are to be remodelled and modernised by the fall of 2020. We think the timing is god to inform the government and the National advice board for technical and industrial education, about the new EWP curriculum and its harmonization with EQF level 4.

For the Norwegian MakeIt consortium

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May 2018