Unit A	IW WELDING MAG Fillet Welder		
Prerequisites:	**Access to Unit A** According to the guideline for international welder, in order to receive a certificate as an international MAG welder, the applicant has to pass both the theoretical and practical tests described in module 1and 2. For entry to module 1, appropriate health, physical and mental capability is assumed. The student should have the knowledges, skills och competences according to NQF level 3 (Finland) For entry to module 2, the student should demonstrate the required level of knowledges, skills och competences by passing both the theoretical and practical tests described in module 1		
Work tasks:	The student shall weld the training pieces for module M1 and module M2 according to Guideline for IW Fillet MAG welder. He/she skall also perform all the required work regarding working environment and safety demands. He/she shall evaluate the welds that he/she has made according to quality standard EN ISO 5817. Perform an examination according to Guideline for IW Fillet MAG welder, welders approval according to EN ISO 9606-1		
Learning Outcomes:	*Knowledge*	*Skills*	*Competence*
	- He/she knows the essential parameters for MAG- welding - He/she knows the different types of imperfections according to ISO 6520-1 - He/she knows the levels in the standard EN ISO 5817 - He/she knows and understand hazards and the basic safety requirements when welding - He/she knows the use, types and functions of welding consumables used for MAG-welding He/she knows the proper materiel suitable for MAG-welding - He/ she can describe the major components of MAG-welding equipment and their function - He/ she knows the use of welders approval according to EN ISO 9606-1	- He/she is able to identify materials according to ISO/TR 15608 He /she is able to visual inspect and identify welding imperfections and evaluate the according to ISO 5817 - He/she is able to adjust the required welding parameters He/she is able to read welding details on drawings and interpret welding symbols - He/she is able to recognize and avoid risks when welding - He/she can explain the use of a WPS used in the institution or in the training program - He/she is able to perform a welders approval according to EN ISO 9606-1	- He/she is responsible to identify the hazards for welding on site and make basic precautions - He/she is responsible for the evaluation of welds he/she have made by using visual inspection and required destructive methods and subsequently evaluate according to ISO 5817 - He/she performs a welders approval according to EN ISO 9606-1 and according to EN ISO 5817 to quality level B, considering the exceptions mentioned in the Guideline for IW Fillet MAG welder - He/she can work as a welder, in a workshop were the quality requirements are according to EN ISO 5817, level B

Reference to national qualification:	Sweden - Industritekniska programmet inriktning svetsteknik (SeQF 4) Finland - Programmet för tillverkningsteknik, plåtslagare – svetsare, IW - svetsning (NQF 4)		
Reference to EQF/NQF:	The unit is too small to refer to an EQF level. Because it refers to an NQF this is an indirect reference to the EQF to which the regarding NQF belongs.		
ECVET points	N/A		
Assessment	Students will be assessed based on their performance during the unit, using the enclosed Assessment Grid. The level of assessment will correspond to the requirements of ISO EN 9606-1		