



Mobility Pass



Lifelong Learning Programme

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Mobility Pass

Learner																				
First Name							Fa	mil	y Nai	ne										
Training Programme			autica						el 3;	aircra	aft m	nanı	ufac	ture	e ele	ctric	cal p	oath	way	/
	1	2	3 4	5	6	7	8	9	10 11	12	13 ✓	14	15	16	17	18	19	20	21	22
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Unit 12																				
Unit 14																				
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Host institut (name, addre Contact Per (name, phon	ess) son		ber,																	

In the first column of the following sheets short descriptions of the Mobility Units (MU) which are part of the unit (Typical Professional Task TPT) are listed. Although these descriptions are rather skill-oriented, please consider the underlying knowledge, skills and key competences that can be displayed. These underlying rows show that the respective Learning Outcome (LO) is not a simple operation but a complete and complex action including cognitive and key competence aspects.

e-mail)



Unit 12: Production of bunched circuits Remarks: Assessment Mobility unit Place Date Signature independen tly observed/ under under surveillance supported instruction Production of copper bunched circuits Production of fibre glass bunched circuits Reading & understanding work order Work resource-saving Providing & preparing the material Knowledge about material property Cutting cables, crimping Cooperating with the colleagues, asking for advice when needed Testing and preparing the circuit for transport to the next workplace Production of aluminium bunched circuits Production of bunched circuits

Unit 14:													
	assing b	unched	circuits ir	aircraft :	syst	tems							
Remarks:													
		Asses	ssment										
Mobility unit	observed/ supported	observed/ under under surveillance independen tly		independen tly	Place		Date	Signature					
Mounting brackets and splitters					E								
Setting ground points													
Mounting raceways													
Passing bunched circuits					E								
Setting of connectors													
Reading & understanding work order													
Work resource-saving													
Knowledge of different characteristics of the connectors													
Providing & preparing the material Crimping,													
connecting Cooperating with the colleagues, asking for advice when needed													
Approving work order													



Appling test equipment and voltage				
Testing of connectivity & grounding				
Passing bunched circuits by performing the MU above in context				

Attachment: Description of the units

12. Production of bunched circuits for aircraft systems

The production of wires and bunched circuits (for energy, signals and data) for aircraft systems is one of the principal tasks of the profession. The basics of the production of bunched circuits are engineering drawings, technical regulations and dimensional sketches. Examples for activities are to crimp and to plug contacts and connectors and to seal connectors. The requirements concerning functionality and quality of wires or bunched circuits have to be considered and checked during production. After finishing the production of a certain circuit, it has to be checked carefully. Two examples of these checks are isolation and continuity tests. The rigorous rules (by VDE, Electrical engineers syndicate) concerning "health protection" and "safety at work" have to be considered during the checks, especially when working with high voltages.

14. Passing bunched circuits in aircraft systems

When producing new aircraft systems mainly bunched circuits are passed. When modifying an aircraft single wires are passed too. Basics for passing bunched circuits or wires are valid manufacturing instructions concerning the respective aircraft. First of all the bunched circuit has to be checked separately. While passing the circuit the technical and structural conditions (e. g. bending radii, joints, cable clips, protection of edges) have to be taken into account. Not only the bunched circuits but also the cable clips, decal information and danger notices have to be mounted. The skilled worker inspects the passed bunched circuit again and marks it according to the valid instructions. The documentation of the accomplished work is an integrated element of this professional task. Depending on the respective manufacturing order final inspection of the passed wires or bunched circuits is either done by the skilled worker or through another quality assurance process.