Structuring and preparation of a lesson: EAB module 5 (Quality Control of Bonded Structures)

time	Theme, core information, statements or questions	Learning objectives ¹	Methods (e.g. presentation/ discussion/group work)	Media/ training material
3 h	Wetting tests (water droplet, test ink) Destructive testing on parallel test pieces (witness specimens): Lap shearand bead peel tests	Interpret the modes of operating of the principal methods involved in quality control of bonded structures.	Ppt content presentation Video presentation (e.g. examples of	Beamer / printed ppt presentation White board
	Non-destructive tests (visual, layer thickness) Special Process	List the most common advantages and disadvantages of nondestructive and destructive testing when	DT and NDT methods for bonded structures).	Practical exercise
	Silicone, Clean tools Workplace and storage conditions (dust, pollution, temperature, relative humidity) Measures to ensure quality process (e.g. traceability and use of working	applied to bonded structures. Interpret common acceptance standards for bonded structures imperfections (1);	discussion/brainsto rming about limits and advantages related to NDT and DT applied to bonded structures or	
	instructions) Adhesive (reception and during storage). Destructive testing on parallel test pieces (witness specimens): eg. peel tests, lap shear tests.	Identify quality control techniques applied to bonded structures (1); Use traceability and work instructions as key measures for guarantying	Practical exercise (individual /group) about the identification and proper use of quality control techniques	

^{1 (1)} Know and understand, (2) transfer and practically apply, (3) analyze and assess; (0) no learning objective; additional information



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Adhesive (cured) in the bonded structure.	(2);	
Non-destructive inspection of the joint.	Check with limited	
Tolerance requirements (related to gap- filling ability of different types of adhesives)	autonomy the workplace and storage conditions	
duriesives)		

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