



JEWKA UITGEVERIJ

Errata/addenda: Module 6 werkboek bij de tweede druk (2008)

De onderstaande wijzigingen/toevoegingen zijn reeds verwerkt in de derde druk van deze module.

Op het eerste schutblad is een waarschuwing geplaatst dat het boek uitsluitend gebruikt mag worden voor trainingsdoeleinden.

Part-66 tabel is aangepast naar aanleiding van veranderde regelgeving als gevolg van EU verordening No 1149/2011 van 21 oktober 2011. Zie bijlage.

Bijlage: Part 66

Categorie	A level	B1 level	B2 level	B3 level	Hfst
6.1 Aircraft materials - Ferrous					
6.1a Characteristics, properties and identification of common alloy steels used in aircraft; Heat treatment and application of alloy steels.	1	2	1	2	1,2
6.1b Testing of ferrous materials for hardness, tensile strength, fatigue strength and impact resistance.	-	1	1	1	4
6.2 Aircraft Materials – Non-Ferrous					
6.2a Characteristics, properties and identification of common non-ferrous materials used in aircraft; Heat treatment and application of non-ferrous materials;	1	2	1	2	1,3
6.2b Testing of non-ferrous material for hardness, tensile strength, fatigue strength and impact resistance.	-	1	1	1	4
6.3 Aircraft materials – Composite and Non-Metallic					
6.3.1 Composite and non-metallic other than wood and fabric					
6.3.1a Characteristics, properties and identification of common composite and non-metallic materials, other than wood, used in aircraft; Sealant and bonding agents;	1	2	2	2	5
6.3.1b The detection of defects/deterioration in composite and non-metallic material; Repair of composite and non-metallic material.	1	2	-	2	5
6.3.2 Wooden Structures	1	2	-	2	5
Construction methods of wooden airframe structures; Characteristics, properties and types of wood and glue used in aeroplanes; Preservation and maintenance of wooden structure; Types of defects in wood material and wooden structures; The detection of defects in wooden structure; Repair of wooden structure.					
6.3.3 Fabric Covering	1	2	-	2	5
Characteristics, properties and types of fabrics used in aeroplanes; Inspections methods for fabric; Types of defects in fabric; Repair of fabric covering.					
6.4 Corrosion					
6.4a Chemical fundamentals; Formation by, galvanic action process, microbiological, stress;	1	1	1	1	6
6.4b Types of corrosion and their identification; Causes of corrosion; Material types, susceptibility to corrosion.	2	3	2	2	6

Categorie	A level	B1 level	B2 level	B3 level	Hfst
6.5 Fastener					
6.5.1 Screw Threads Screw nomenclature; Thread forms, dimensions and tolerances for standard threads used in aircraft; Measuring screw threads.	2	2	2	2	7
6.5.2 Bolts, studs and screws Bolt types: specification, identification and marking of aircraft bolts, international standards; Nuts: self locking, anchor, standard types; Machine screws: aircraft specifications; Studs: types and uses, insertion and removal; Self tapping screws, dowels.	2	2	2	2	7
6.5.3 Locking devices Tab and spring washers, locking plates, split pins, pal-nuts, wire locking, quick release fasteners, keys, circlips, cotter pins.	2	2	2	2	7
6.5.4 Aircraft rivets Types of solid and blind rivets: specifications and identification, heat treatment.	1	2	1	2	7
6.6 Pipes and Unions					
6.6a Identification of, and types of rigid and flexible pipes and their connectors used in aircraft;	2	2	2	2	8
6.6b Standard unions for aircraft hydraulic, fuel, oil, pneumatic and air system pipes.	2	2	1	2	8
6.7 Springs Types of springs, materials, characteristics and applications.	-	2	1	1	9
6.8 Bearings Purpose of bearings, loads, material, construction; Types of bearings and their application.	1	2	2	1	10
6.9 Transmissions Gear types and their application; Gear ratios, reduction and multiplication gear systems, driven and driving gears, idler gears, mesh patterns; Belts and pulleys, chains and sprockets.	1	2	2	1	11
6.10 Control Cables Types of cables; End fittings, turnbuckles and compensation devices; Pulleys and cable system components; Bowden cables; Aircraft flexible control systems.	1	2	1	2	12
6.11 Electrical Cables and connectors Cable types, construction and characteristics; High tension and co-axial cables; Crimping; Connector types, pins, plugs, sockets, insulators, current and voltage rating, coupling, identification codes.	1	2	2	2	13