



# Skedsmo videregående skole

**NO.147.0002**

Rev. dato: 25.09.2014

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<b>Årsplan for faget Modul 07, Vedlikeholdsteknikk</b>		<b>Ref: Grunnleggende mål i læreplan for programfagene</b>
		..... <b>Godkjent avdelingsleder</b>

Læremidler som skal benyttes, Revisjons dato LTT filer: LTT rev. 2014 mai

- Vedlikeholdsteknikk 2, Lufthansapakken 7B1, Verkstedshåndboken og bilag

<b>PART 66 referanse</b>	<b>Tema</b>	<b>Bok referanse</b>	<b>Ansvarlig lærer</b>	<b>Sign lærer Utført/dato</b>
<b>7.4</b>  Level 2	<b>AVIONIC GENERAL TEST EQUIPMENT</b> Operation, function and use of avionic general test equipment	LTT 7.4 s 2-58 Vedlikeholdsteknikk 2 s 126-132		
<b>7.5 f</b>  Level 2	<b>Engineering Drawings, Diagrams and Standards,</b> Wiring and Schematic Diagrams	LTT 7.5E s 2-83  Praktiske skjema eksempler		
<b>7.6</b> Level 2	<b>FITS AND CLEARANCES</b> Drill sizes for bolt holes, classes of fits Common system of fits and clearances Schedule of fits and clearances for aircrafts and engines Limits for bow, twist and wear Standard methods for checking shafts, bearing and other parts.	Verkstedshåndboken og Bilaget: Toleranser og pasninger		



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<p><b>7.7</b> Level 3</p>	<p><b>Electrical Wiring Interconnection System</b></p> <p>Continuity, insulation and bonding techniques and testing; Use of crimp tools: hand and hydraulic operated; Testing of crimp joints; Connector pin removal and insertion; Co-axial cables: testing and installation precautions; Identification of wire types, their inspection criteria and damage tolerance. Wiring protection techniques: Cable looming and loom support, cable clamps, protective sleeving techniques including heat shrink wrapping, shielding; EWIS installations, inspection, repair, maintenance and cleanliness standards.</p>	<p>LTT 7.7 s 1-205</p>		
<p><b>7.8</b> Level 2</p>	<p><b>RIVETING</b></p> <p>Riveted joints, rivet spacing and pitch Tool used for riveting and dimpling Inspection of riveted joints.</p>	<p>LTT 7.8 s 2-35 Bilag: Inspeksjonsteknikk nagler og nagleforbindelser</p>		
<p><b>7.9</b> Level 2</p>	<p><b>PIPES AND HOSES</b></p> <p>Bending and belling/flaring aircraft pipes Inspection and testing of aircraft pipes and hoses Installation and clamping of pipes.</p>	<p>Vedlikeholdsteknikk 2 s 152-163</p>		



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<p><b>7.14</b> Level 2</p> <p>Level 2</p>	<p><b>MATERIAL HANDELING</b></p> <p><b>Sheet metal:</b> Marking out and calculation of bend allowance; Sheet metal working, including bending and forming; Inspection of sheet metal work.</p> <p><b>Composite and non-metallic:</b> Bonding practices Environmental conditions Inspection methods.</p>	<p>Vedlikeholdsteknikk 2 side181-191 + LTT 7.14.2 S18-45</p>		
<p><b>7.15</b> Level 2</p>	<p><b>WELDING, BRAZING, SOLDERING AND BONDING</b></p> <p><b>a:</b>Soldering methods; inspection of soldered joints.</p>	<p>Vedlikeholdsteknikk 2 s 170-177 LTT 7.15 s 2-25</p>		
<p><b>7.15</b> Level 2</p>	<p><b>WELDING, BRAZING, SOLDERING AND BONDING</b></p> <p><b>b:</b>Welding and brazing methods; Inspection of welded and brazed joints; Bonding methods and inspection of bonded joints.</p>	<p>Vedlikeholdsteknikk 2 side 179-181 +LTT 7.15 S 26-95</p>		



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<p><b>7.18</b></p> <p>Level 3</p>	<p><b>DISASSEMBLY, INSPECTION REPAIR AND ASSEMBLY TECHNIQUES</b></p> <p><b>a:</b>Types of defects and visual inspection techniques. Corrosion removal, assessment and re-protection.  <b>b:</b>Ageing, fatigue and corrosion programmes:  <b>c:</b>Non destructive inspection techniques including penetrant, radiographic, eddy current, ultrasonic and borroscope methods.  <b>d:</b>Disassembly and re-assembly techniques  <b>e:</b>Trouble shooting techniques</p>	<p>LTT 7.18 s 2-51 &amp; V.tek2 s 27-123 og s133-142,</p> <p>Bilag: Elektrisk feilfinning(troubleshooting) og Troubleshooting</p>		
<p><b>7.18</b></p> <p>Level 2</p>	<p><b>DISASSEMBLY, INSPECTION REPAIR AND ASSEMBLY TECHNIQUES</b></p> <p><b>b:</b>General repair methods, Structural Repair Manual;</p>	<p>Vedlikeholdsteknikk 2 side 181-191</p>		
<p><b>7.19</b></p> <p>Level 2</p> <p>Level 2</p>	<p><b>ABNORMAL EVENTS</b></p> <p><b>a:</b> Inspections following lightning strikes and HIRF penetration.  <b>b:</b> Inspections following abnormal events such as heavy landings and flights through turbulence</p>	<p>V.tek2 s15-26</p>		



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<p><b>7.20</b></p> <p>Level 2</p>	<p><b>MAINTENANCE PROCEDURES</b></p> <p>Maintenance planning; Modification procedures; Stores procedures: Certification/release procedures; Interface whit aircraft operation; Maintenance Inspection/Quality Control/Quality Assuranse; Additional maintenance procedures. Control of life limited components</p>	<p>V.tek2 s 7-13</p>		
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