

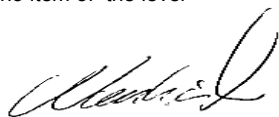
Training program for basic for level 3

In the NDT training course the following knowledge will be educated.

Subject	Level 3
<i>Metallic materials</i>	+
- Introduction to metallurgy	+
- Increase in strength	+
- Electrical conductivity	+
- Material selection	+
- Materials used for aircraft construction	+
- Important material designations in engine construction	+
<i>Manufacturing processes</i>	+
- Casting	+
- Welding	+
- Brazing	+
- Riveting and bolting	+
<i>Surface treatment</i>	+
- General	+
- Processes	+
<i>Destructive testing</i>	+
- General	+
- Types of stresses	+
- Deformation of metals, plastics and fiber composites	+
- Test methods	+
<i>Operational strength</i>	+
- Strength	+
- Design concepts	+
- Structural inspections	+
- Detectable damage and inspection methods	+
<i>Structure of a "written practice" (for approval)</i>	+
- General	+
- Qualification levels	+
- Duties and responsibilities of inspection personnel	+
- Experience required	+
- Examination regulations	+
- Documentation of the approval procedure	+
- Requirements to be met for extension of approval	+
<i>Designs</i>	+
- General	+
- Material selection criteria	+
- Material applications	+
- Motivation for the use of new structural materials	+
- Examples of new designs	+
<i>Probability analyses</i>	+
- Basics	+
- Statistics	+
- Probability calculation	+
- Applications in quality assurance	+

+ subitem of the level

--- no item of the level



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Prüfungsbeauftragter / Examiner / Level 3