



Experience with the professional, modular NDT-Certification in Austria

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Actual Situation



- Austria is a small country with a very diverse and interesting industry
- Austria has about 8 million inhabitants.
- 80% of working people are employed in SME's (less than 250 employees)
- 20% are working in large industry companies

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Historie



- Education and qualification of NDT personnel in Austria has a long tradition.
- The manufacturing companies VOEST AG (Linz) and Böhler Edelstahl AG (Kapfenberg) already have employer-oriented NDT-training in the 70ies using the scheme of the ASNT TC 1A.
- At the end of the 70 ies NDT-experts worked out the Austrian Standard ÖNORM M 3040 part 1-3, as a basis for Third Party certification.
- 1980 Mr. Brunner (SZA) and Mr. Salcher (TÜV-AUSTRIA) founded the Austrian Society for Non Destructive Testing (ÖGfZP).

Introduction



ÖGfZP is the certification body for NDT - personnel accredited by the federal ministry for economic affairs for EN ISO 9712, EN 4179 and UIC Kodex 960V.



Sector - Committees (SC)

- + SC Aerospace with National Aerospace NDT Board AUSTRIA [NANDTB-Austria]
- + SC Railway maintenance
- + SC Metal manufacturing

Statement



The EN ISO 9712 defines several industrial sectors:

- + **Metal manufacturing** (comb. c, f, t, w and wp)
- + **Pre and in-service testing of equipment, plant and structure** (comb. c, f, w, t, wp a.o.)
- + **Railway maintenance** (comb. f, wp, a. o.)
- + **Aerospace** (comb. c, f, w, t, wp a. o.)

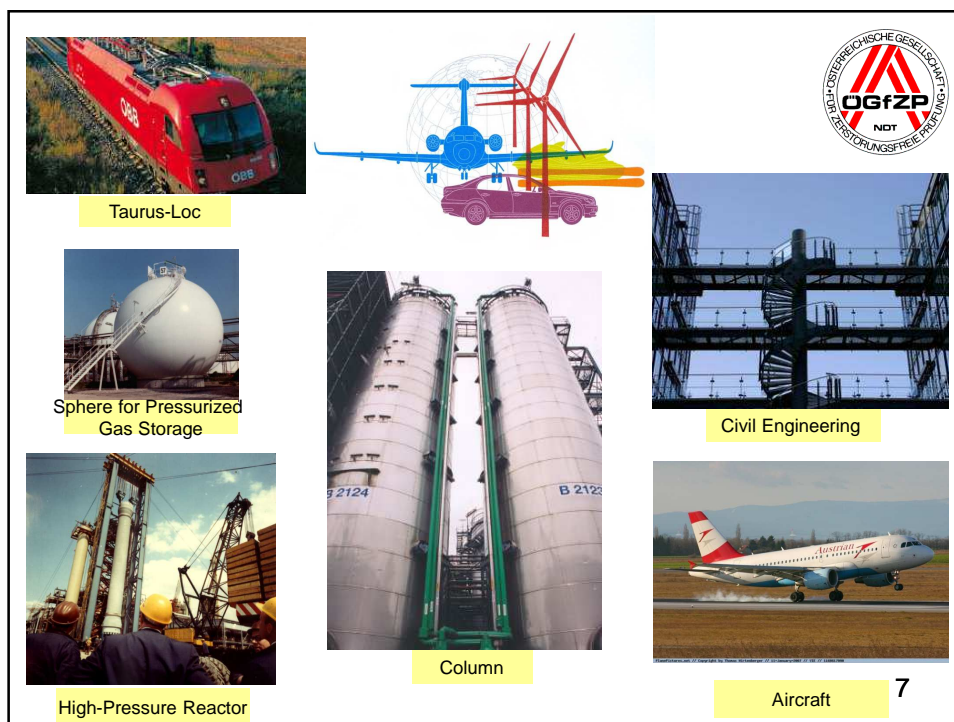
Statement



ÖGfZP as the certification body for NDT - personnel accredited by the federal ministry for economic affairs for EN ISO 9712, EN 4179 and UIC Kodex 960V. ÖGfZP supervise in accordance to ÖNORM EN ISO/IEC 17024 the contracted examination centers and examination.

At the moment we have aprox. 7.700 certificats and more than 3000 active certificat holders.

Since 2006 we issued 623 qualification certificates to EN 4179 and NAS 410



Statements of the standards



- **EN ISO 9712** require defined product sectors, no requirements to the origin of the test pieces.
- **UIC Kodex 960 V** defines special requirements for company-specific test pieces (e.g. shafts, axles, wheels)
- **EN 4179 and NAS 410** require company-specific, metallic resp. non - metallic test pieces, as well as specific test techniques.
- **Test specimens for EN 4179 examinations can be used for EN ISO 9712 examinations. For EN ISO 9712 and EN 4179 examination we use 4 instead of 3 specimens.**

Certification processes



- 7 % of Austria's real assets is generated through automotive supply exports! 1 % is coming from Aerospace components and supplies export for several international manufacturers.
- The necessary personnel NDT qualification according to EN ISO 9712 and EN 4179 is the responsibility of ÖGfZP. To solve this task, the steering committee of the certifying body created a certification processes for EN 4179 and NAS 410. This was defined by the National Aerospace NDT-Board (NANDTB) on good terms with the Austrian national aviation authority (AUSTRO CONTROL GmbH).

EN ISO 9712 Certification EN 4179/NAS410 Qualification



Two accesses to EN 4179 Qualification

- (1) The candidate visits one of the ÖGfZP contractors , working as an outside agency, for an EN 4179/NAS 410 course. The examination is under organization and supervision of the ÖGfZP
- (2) The candidate visits one of the ÖGfZP contractors for EN ISO 9712 training and examination. In addition he completes different training hours for special „Aerospace NDT techniques and materials“ (1 additional day). Following to the examination acc. to EN ISO 9712 companyspecific questions and one additional test piece shall be content of the additional examination.

Conclusion



- The ÖGfZP has 5 recognized training and 4 certified examination centres.
- For EN 4179 und NAS 410 Qualification the training and examination centres operate as an “Outside Agency”, acc. to a “Written Practice” of the employer.
- Qualification examination will be guided and supervised by recognized, trained and permitted level 3 -examiner in behalf of ÖGfZP.
- Till the end of 2012 more than 7.700 EN ISO 9712 valid certificates and 623 EN 4179 und NAS 410 qualifications have been issued by the ÖGfZP.
- These EN 4179 qualifications are accepted by European companies and air carriers.

Thank you for your attention



For further questions do not hesitate to contact :

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