

NDT (Non-destructive Testing) – a global view

Dr Mike Farley

Chairman,
International Committee for NDT



INTERNATIONAL COMMITTEE FOR
NON-DESTRUCTIVE TESTING

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Importance of NDT

- **NDT is important, often unseen, but vitally important for keeping us safe, protecting the public from accidents that would otherwise happen**
- **NDT is important for new build, in-service inspection and life extension**



EXAMPLE: NDT of the Forth Road Bridge, Edinburgh



- X-radiography has found multiple breaks in the main suspension cables.
- A continuous acoustic monitoring system was installed in 2004.
- Fifty new breakages were detected by 2009
- Construction of a replacement bridge with in-built condition monitoring is underway

So NDT has both allowed the bridge to continue to be used but has given it a life-sentence.

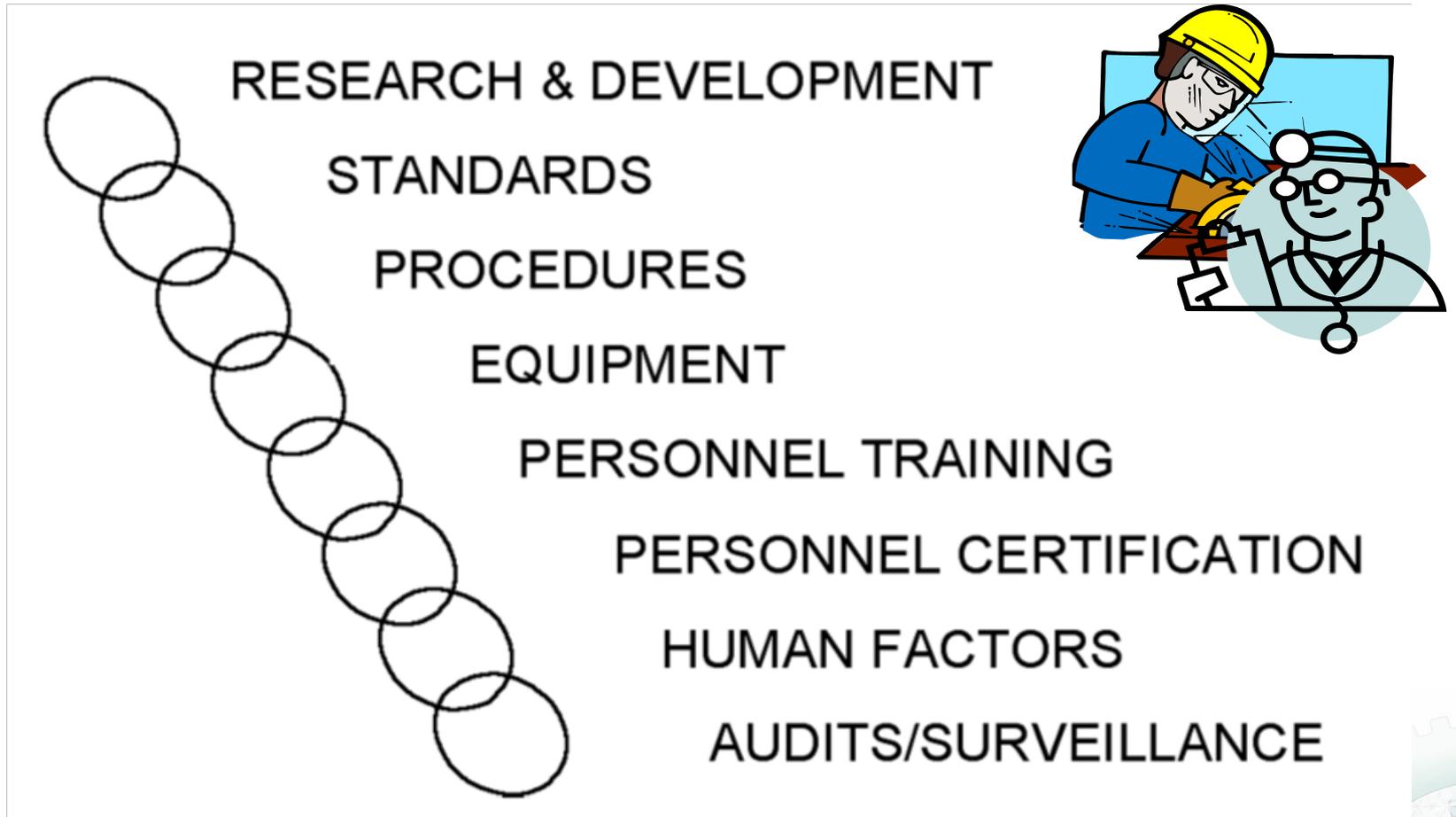


Internationalisation of trade... and NDT

- Safety, reliability and availability of plant and machinery depends on the whole supply chain of companies and contractors all around the world, each with their own NDT personnel and equipment



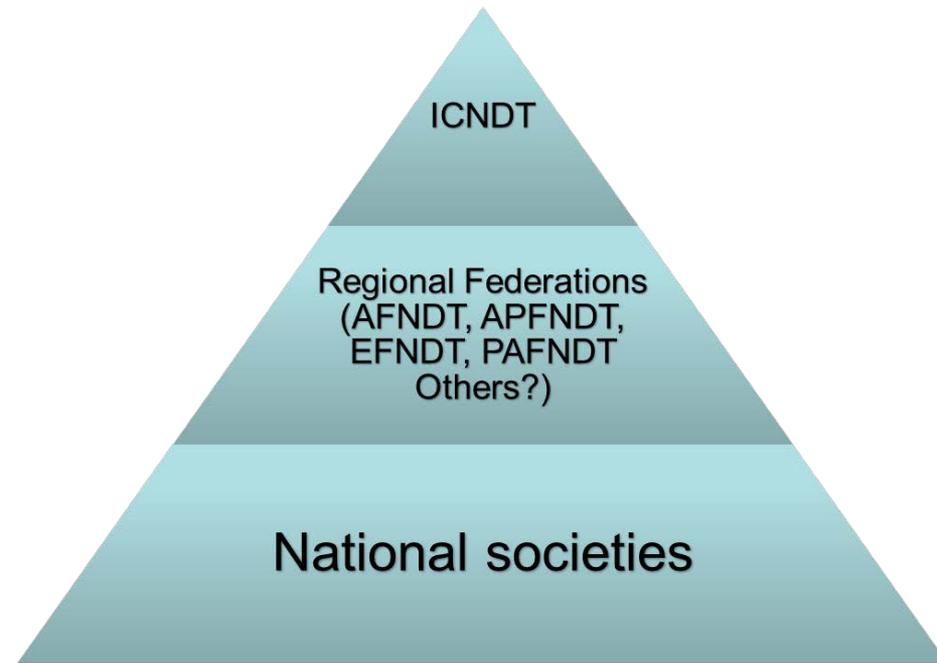
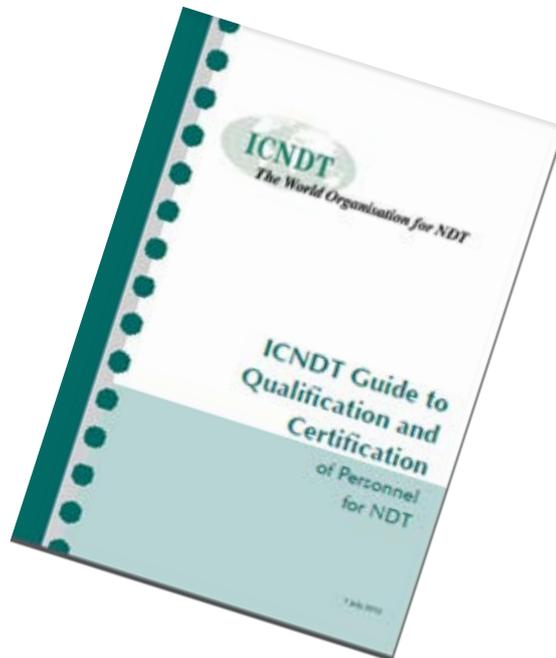
NDT Quality Chain – Training and Certification of NDT personnel are vital links in the quality chain





The World Organisation for NDT

- a not-for-profit organisation, registered in Vienna, in 2008
- harmonisation of training and certification is a key activity to promote improved NDT quality



Thank you!
Mike.Farley@icndt.org



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