



The Standards People



# How to Make Better Standards

## Achieving Interoperable Standards

Presented by: **Gavin Craik**

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# ETSI and Interoperability

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## Interoperability is important

- ✔ We live in an interconnected world and interoperability is key to drive it forward
- ✔ Users benefit from increased choice from multiple manufacturers
- ✔ Manufacturers benefit from an increased market

## Standardisation enables interoperability

- ✔ Enabling interoperability in a multi-vendor, multi-network, multi-service environment

## Interoperability is the red thread running through the entire ETSI standardization process

- ✔ Interoperability is addressed from the beginning
- ✔ Not something 'bolted on' at the end, it must be built-in



# How to develop interoperable and robust standards

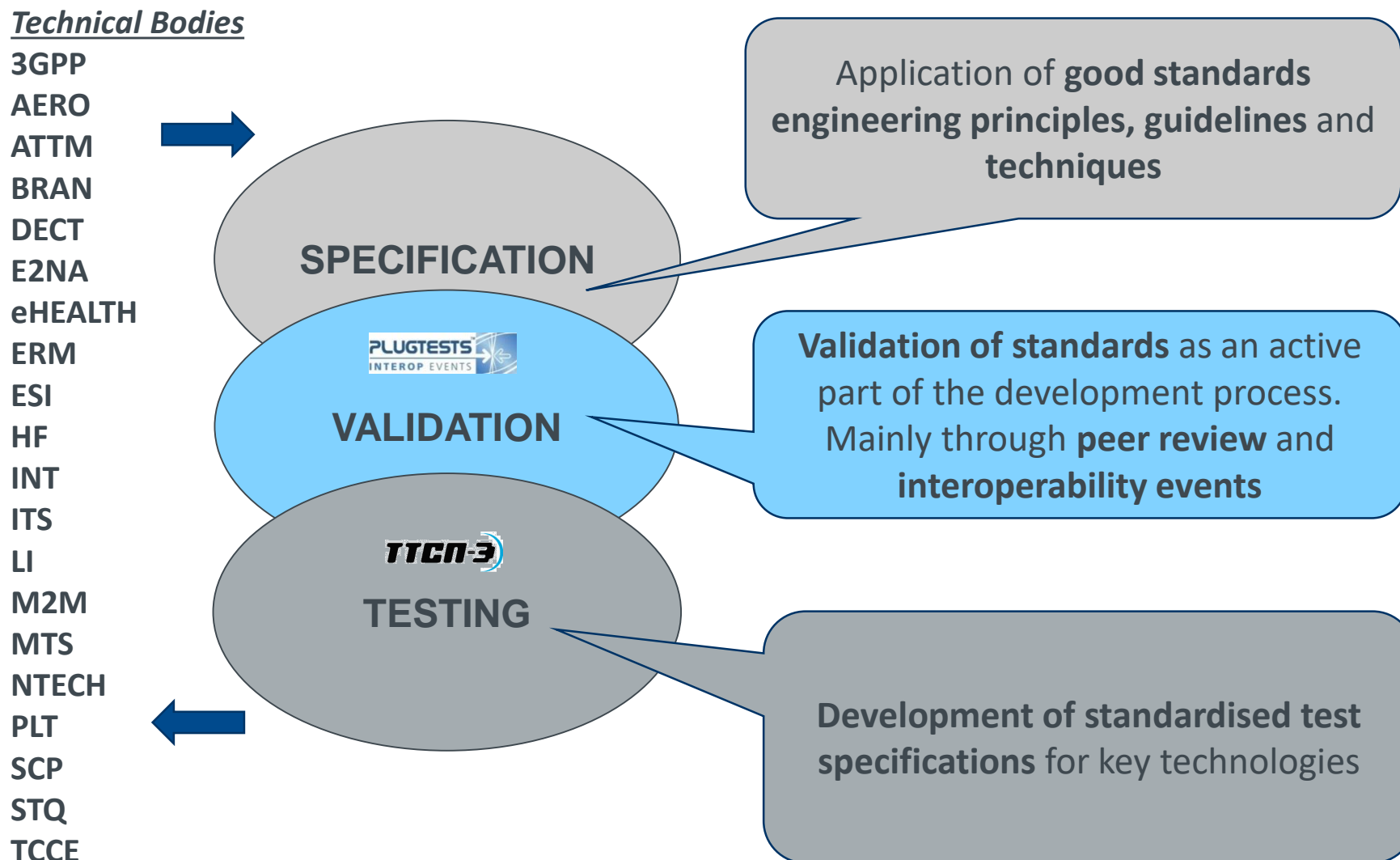
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There is no Silver Bullet, but ...

ETSI takes a pragmatic approach

- ✓ Write high-quality standards
- ✓ Ensure that the standards specify the right thing
- ✓ Ensure products implement standards correctly

# Standards Development - Three Best Practices



# ETSI Support for Interoperability

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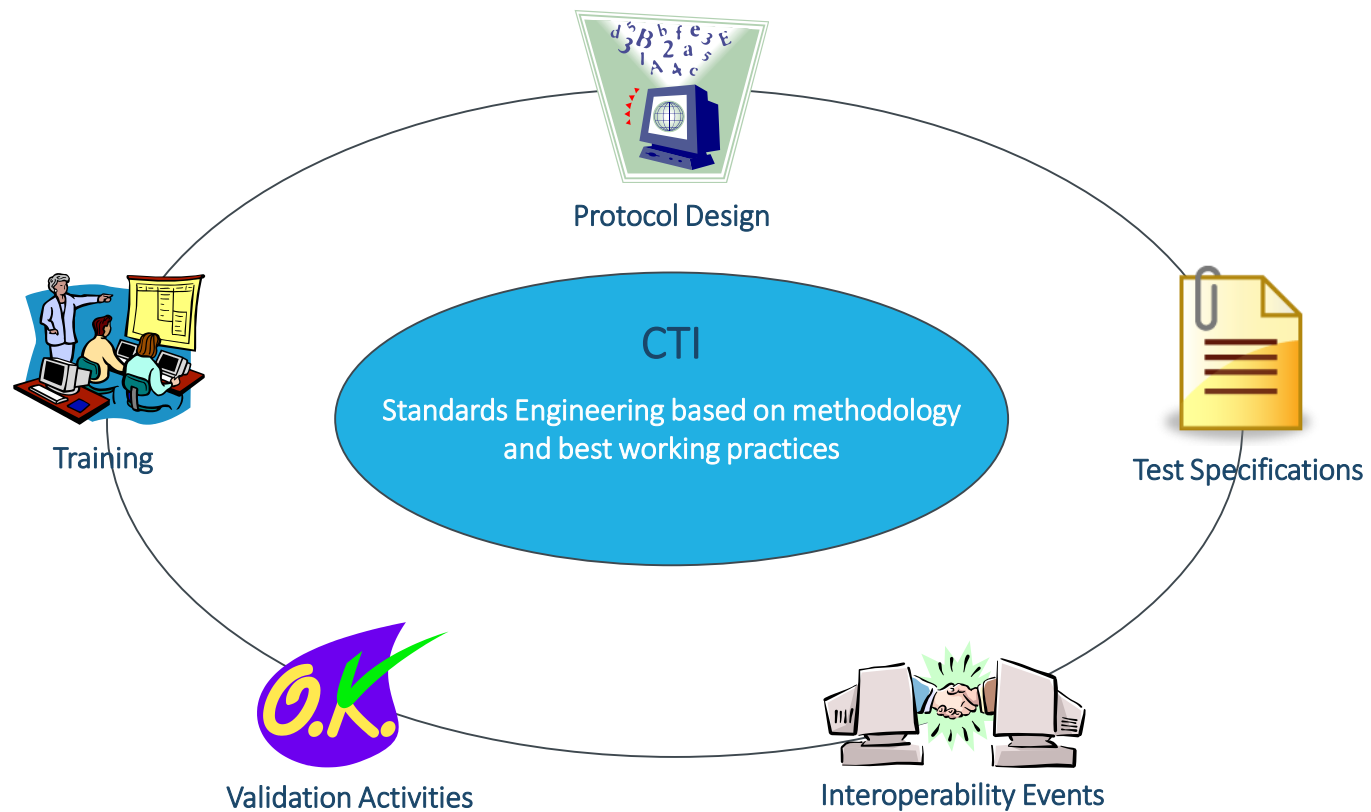
## Technical Committee Methods for Testing and Specification (MTS)

- ✔ Standardised frameworks, methodologies, languages
  - ✔ For protocol specification
  - ✔ For testing

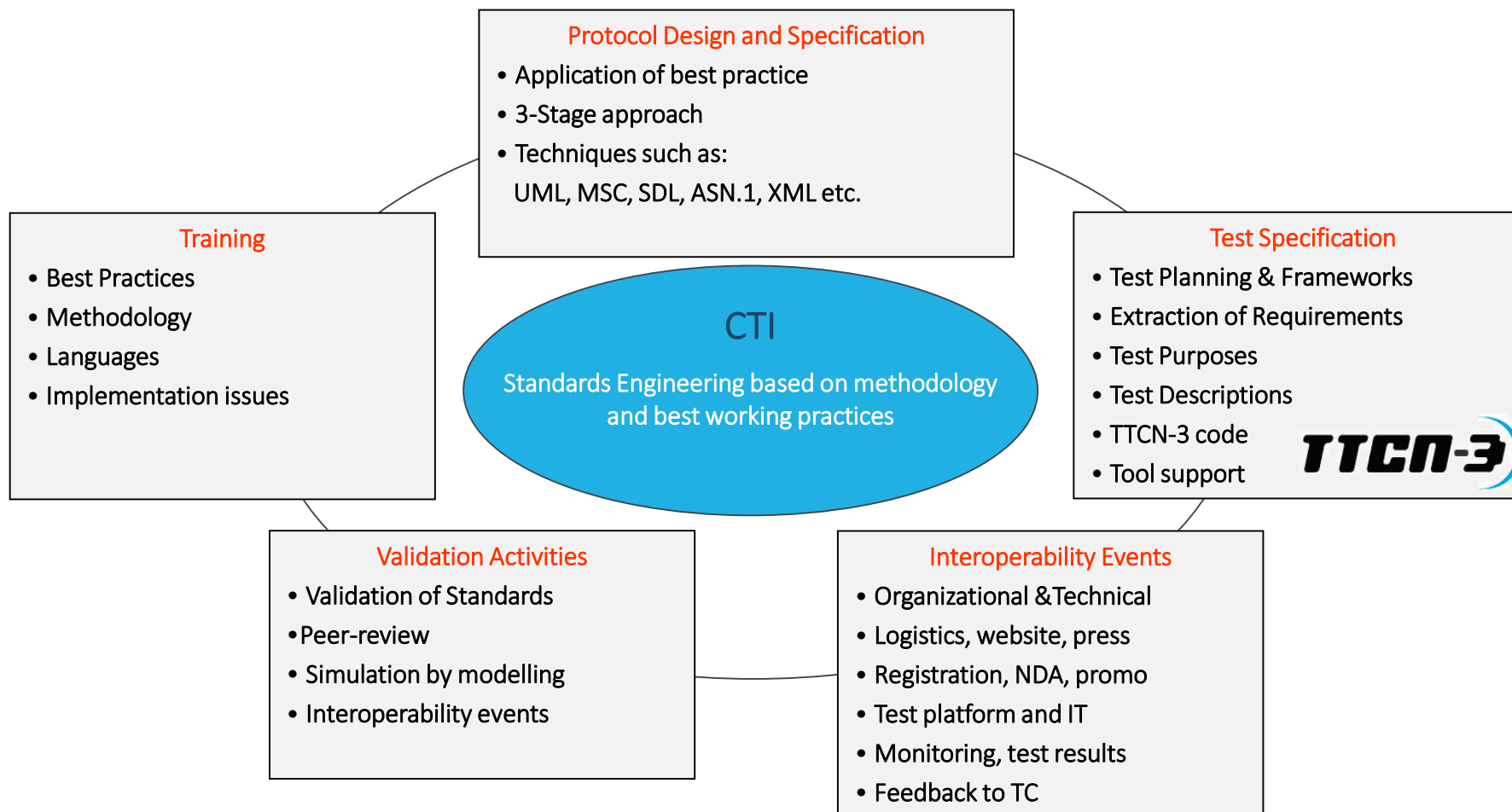
## Centre for Testing and Interoperability (CTI)

- ✔ Direct support to ETSI Technical Bodies
- ✔ CTI experts can be attached to a standardization group and provide hands-on assistance

# CTI expertise



# CTI activities



# Useful Links

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- ✓ [Achieving Interoperability - The ETSI approach:  
www.etsi.org/images/files/ETSIWhitePapers/IOP%20whitepaper%20Edition%203%20final.pdf](http://www.etsi.org/images/files/ETSIWhitePapers/IOP%20whitepaper%20Edition%203%20final.pdf)
- ✓ [ETSI Approach to Interoperability and Testing](#)
- ✓ [Guide to Writing World Class Standards](#)
- ✓ [Interoperability Best Practices](#)
- ✓ CTI: [www.etsi.org/about/how-we-work/testing-and-interoperability](http://www.etsi.org/about/how-we-work/testing-and-interoperability)
- ✓ Plugtests: [www.etsi.org/about/what-we-do/plugtests](http://www.etsi.org/about/what-we-do/plugtests)
- ✓ TTCN-3: [www.ttcn-3.org](http://www.ttcn-3.org)
- ✓ STF: [portal.etsi.org/STF/STFs/Summary.aspx](http://portal.etsi.org/STF/STFs/Summary.aspx)
- ✓ Mail contact: [CTI\\_support@etsi.org](mailto:CTI_support@etsi.org)