



The Standards People



Insights for Edge Software Developers



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For: **everyone**

Episode #5 – MEC Testing

In this episode ... (for MEC Service developers)

- We will learn how:
 - What is conformance testing?
 - Why should I do conformance testing?
 - When should I execute them?
 - How to proceed?
 - ETSI Conformance test suites for MEC platforms



What is conformance testing?

- Requirements Catalogue
- Implementation Conformance Statement
- Implementation eXtra Information for Testing (IXIT)
- Test Purposes (TP)
- The Abstract Test Suite (ATS)

Why should I do conformance testing? (1/2)

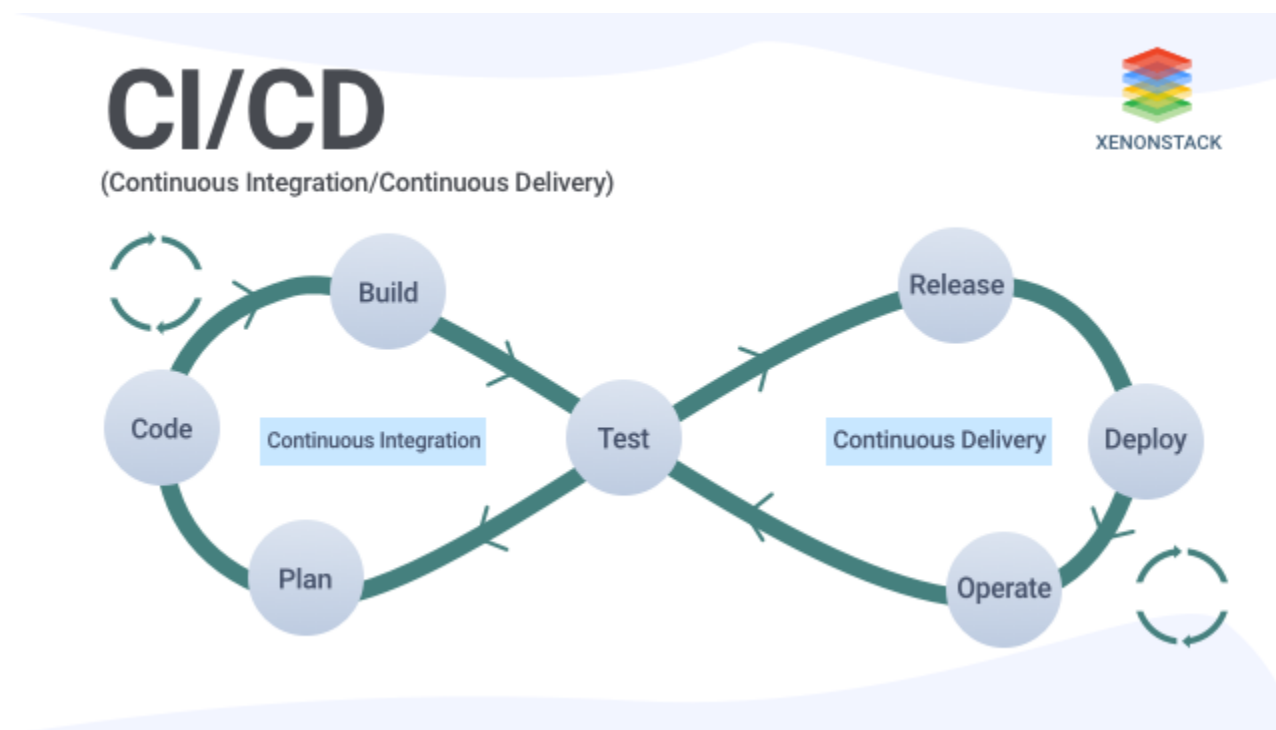
- Implementation of a Standard
- Is my implementation compliant with the standard?
- Answer: The conformance tests

Why should I do conformance testing? (2/2)

- To check for the system's requirements fulfillment
- To check the development, design and evaluation as per specifications and standards
- To minimize the risk of interoperability between MEC Services and MEC applications

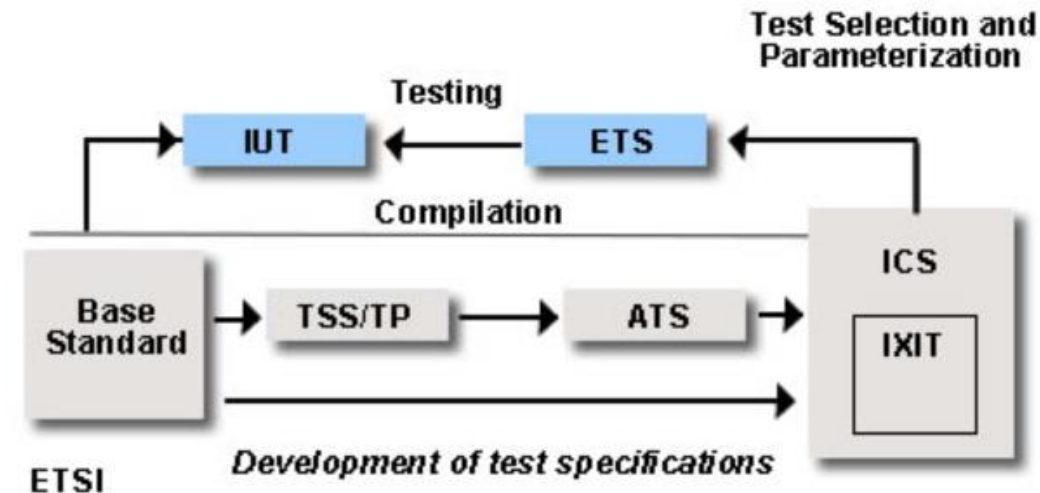
When should I execute them?

- Manually but...
- Integrated to CI/CD chain



How to proceed?

- Analyzing Standards and Specifications
- Selecting Test tools and Test suite
- Designing Testing Procedures
- Checking necessary validations
- Adapting relevant testing policies and certifications



ETSI Conformance test suites for MEC platforms

- MEC-10-2 Application Lifecycle Management
- MEC-011 Application Enablement
- MEC-012 Radio Network Information
- MEC-013 Location Service
- MEC-015 Traffic Management
- MEC-028 WLAN Information Service
- MEC-029 Fixed Access Information Service
- MEC-030 V2X Information Service



Conclusions and further resources



What we have learnt:

- The role and the interest to conduct conformance tests
- How to proceed with conformance tests
- The ETSI conformance Abstract Test Suite



Interested to learn more?

- Look <https://forge.etsi.org/rep/mec/gs032p3-ttcn-test-suite>
- Also https://mecwiki.etsi.org/index.php?title=MEC_testing
- Follow also the [next episodes of the MEC TECH Series 😊](#)

Enjoy the

