



# Let us talk about the ISO 29119 Standards

 **EuroSTAR** | #esconfs  
Software Testing Conference

# Introduction



# A Bit of Testing History

- Glen Myers: The Art of Software Testing – 1979
- BS 5887: Testing of Computer-Based Systems - 1980
- IEEE 829: Software Test Documentation - 1983
- Boris Beizer: Test Techniques - 1983
- BS 7925-2: Component Testing & Test Techniques - 1998
- ISEB/ISTQB Foundation Syllabus – 1998/2005
- ISEB/ISTQB Practitioner/Advanced Syllabi - 2001/2007
- ISO/IEC/IEEE 29119 Standards - 2013

# We are heading towards the same Goal



An understanding of what testing is and how it is done.

# ISO 29119 Standards



- An ISO standard:
  - Describes how you shall/should/may do something
  - Must be internally consistent
  - Is based on various sources
  - Is based on the experiences of the people involved
  - Must undergo an international approval process
  - Can be used as a basis for compliance assessment

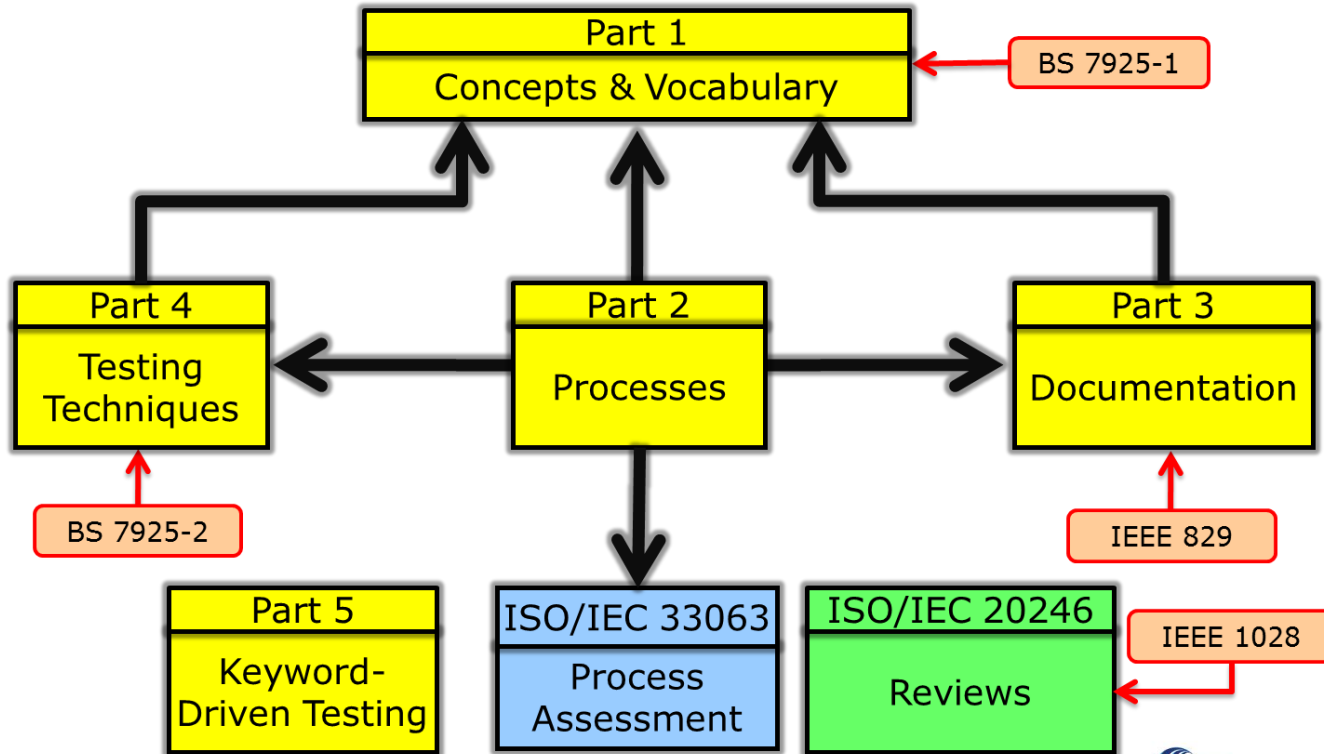
# Advantages of a Standard



A (testing) standard facilitates understanding between (test) people, and provides a way to measure how (testing) is performed in a specific context, by

- Defining a common (test) vocabulary
- Defining a set of activities
- Defining a set of documentation
- Providing guidelines for tailoring

# ISO 29119 – Scope & Structure



# Who needs a Standard?

Testers in regulated areas, such as:

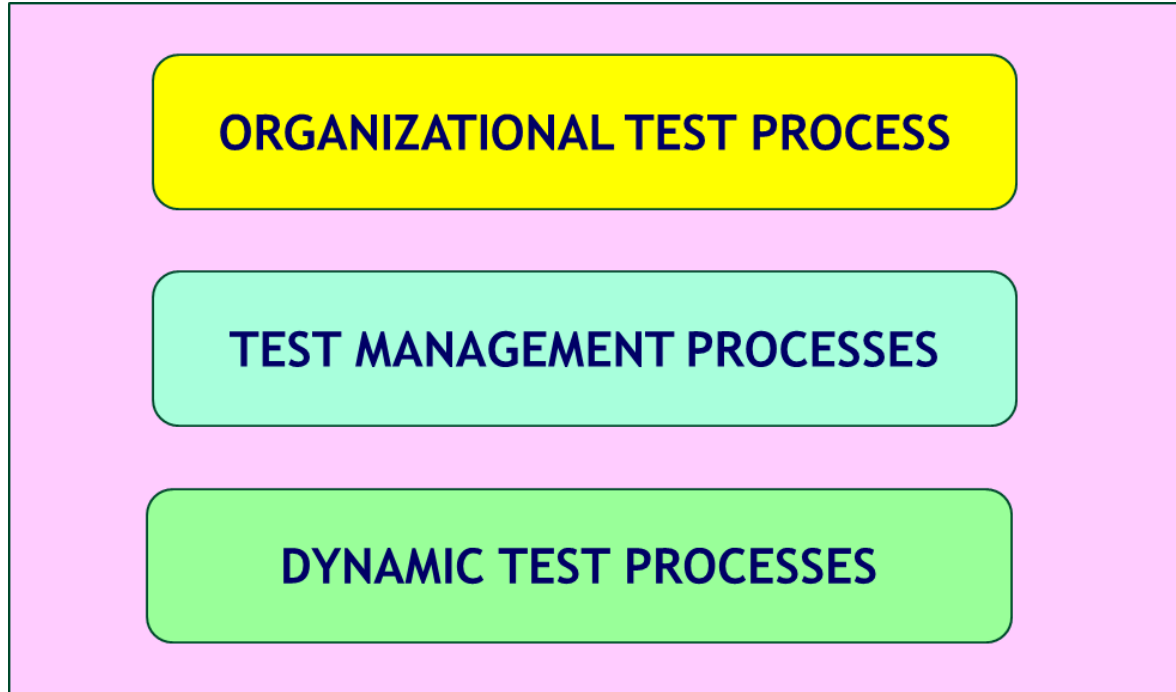
- Medical industry
- Gaming industry
- Financial sector
- Insurance sector
- Transportation sector

And all others who want to see testing from another angle

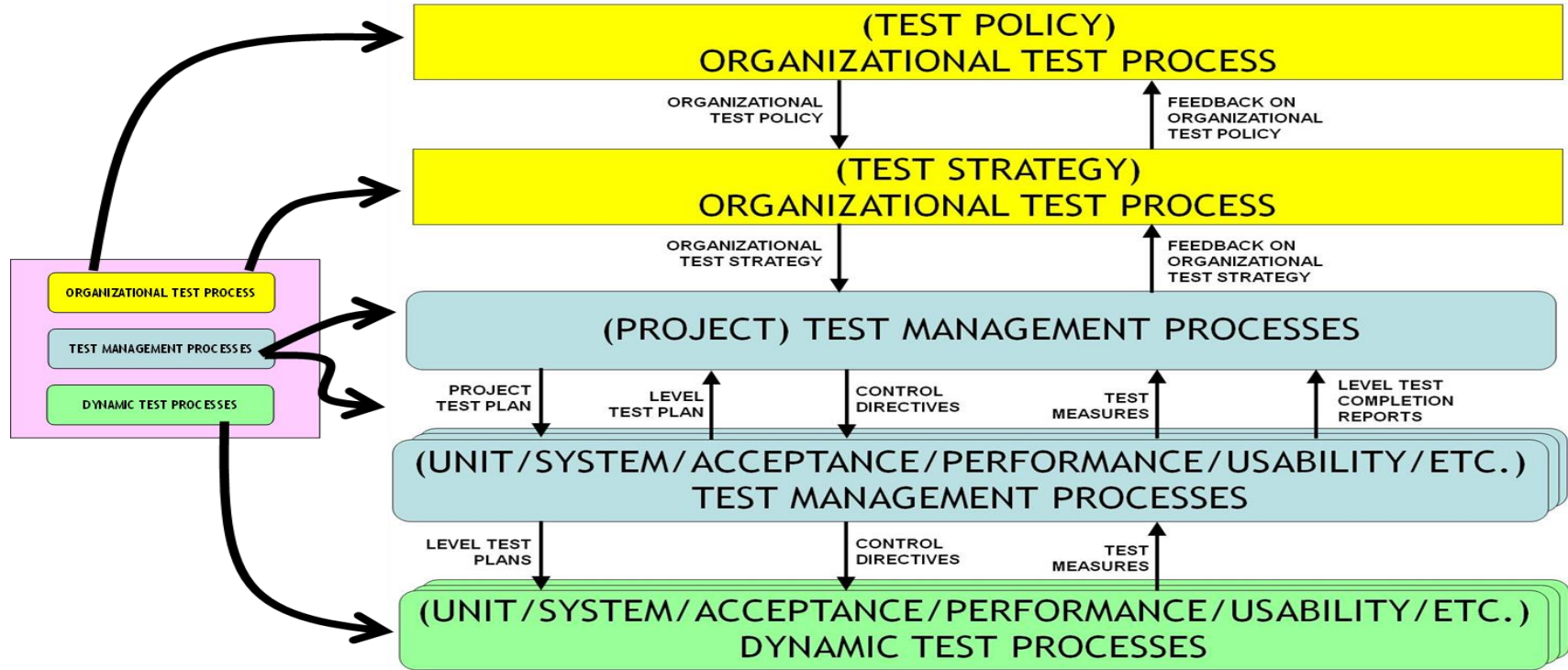




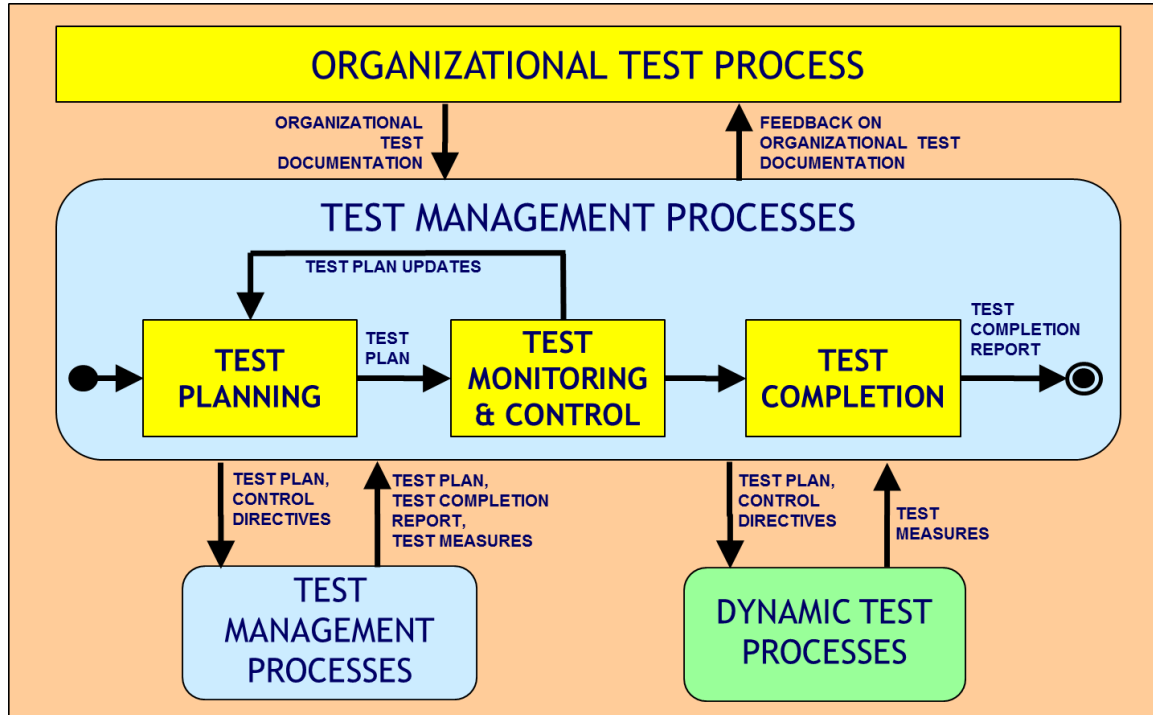
# ISO 29119's 3-layer Process Model



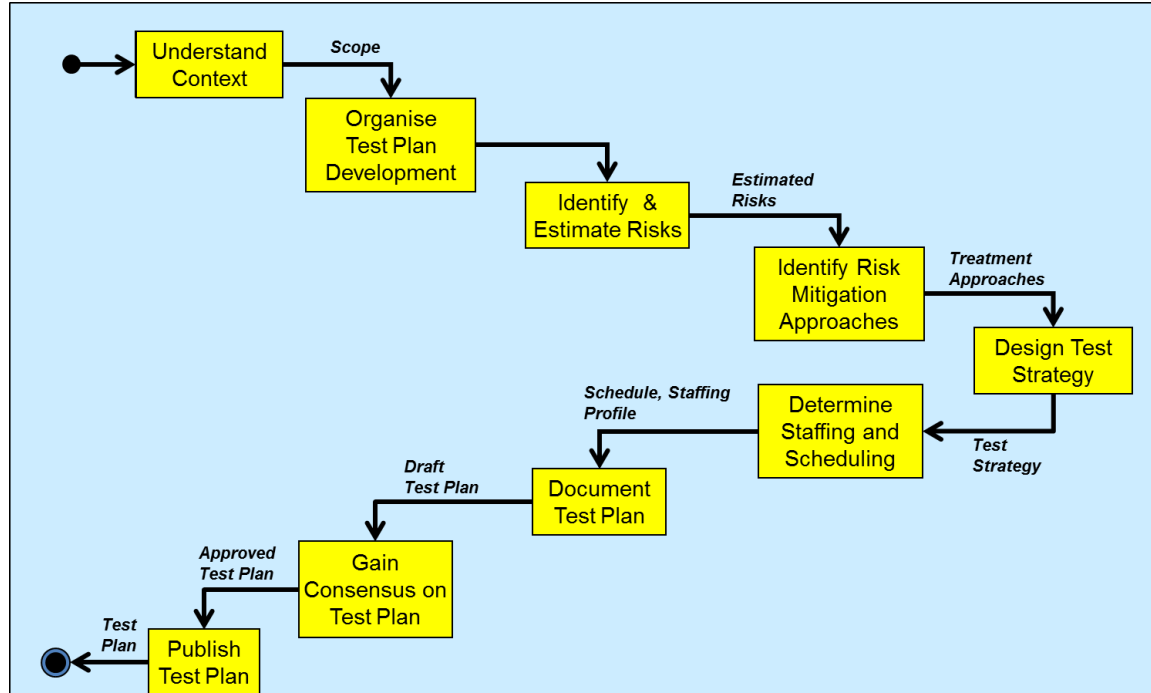
# Instantiating Testing Processes



# Test Management



# Test Planning Process



# Three ways of using the standard



- **Full conformance:** demonstrate that all of the requirements have been satisfied
- **Tailored conformance:** an agreed subset of processes have been satisfied
- **No formal conformance:** inspiration, and otherwise do as you like

# Let us talk

- Write your questions on notes and post on the wall
- We will:
  - help each other group the questions
  - prioritize the groups of questions
  - set of a time box for each group to be addressed
  - talk about the questions in the group
- We will be respectful of each other