
Overview

This standard is concerned with the analysis and interpretation of test results against functional and business requirements. It includes the identification of defects and making recommendations for improvement. It also includes reporting test results to stakeholders.

Performance criteria

You must be able to:

1. Maintain accurate test records and system reports
2. Assess test results against identified functional and business acceptance criteria
3. Analyse test results to identify and characterise defects
4. Use test results analysis to prioritise investigation and resolve problems
5. Perform analysis to identify software components or functionality that are experiencing a greater number of test failures or problem reports
6. Provide information on the test procedures required to the software testing team to investigate and resolve test failures
7. Collate and document test acceptance criteria and expected test results
8. Use test results analysis to confirm whether the executed test procedures are delivering acceptable test coverage in terms of sufficiently identifying errors
9. Communicate the results of software testing to users, sponsors and developers to aid the software development process

Knowledge and understanding

You need to know and understand:

1. Testing and assurance concepts and methods; including integration, system, stress, user acceptance, and regression testing
2. How to analyse specifications and definition of test strategy, test plans and test cases
3. A range of programming languages and development environments
4. What is meant by testing and the stages and people involved
5. The methodologies and approaches to software testing specified in organisational standards
6. The software testing procedures, tools and techniques specified in organisational standards
7. The importance of analysing the results of testing and taking any actions required
8. The importance of maintaining and storing documentation relating to software testing
9. The appropriateness of different types of testing for the different components of a software solution
10. The role of testing as an integral part of the software development life cycle
11. The role of business acceptance testing and the need to agree criteria with business users, sponsors and stakeholder
12. The potential implications of incorrect, incomplete, inadequate and/or inappropriate testing
13. The importance of verifying the accuracy, currency, completeness and relevance of data and information used during testing activities

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Analyse and interpret the results of software testing activities



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