QA NAVIGATION BOARD

ZEISS

TEST / CODE

SYSTEM

SERVICE

UNIT

REQUIREMENTS

REPOSITORY

TEST MANAGEMENT

TEST DATA

BUILD & AUTOMATION

TEST ENVIRONMENTS
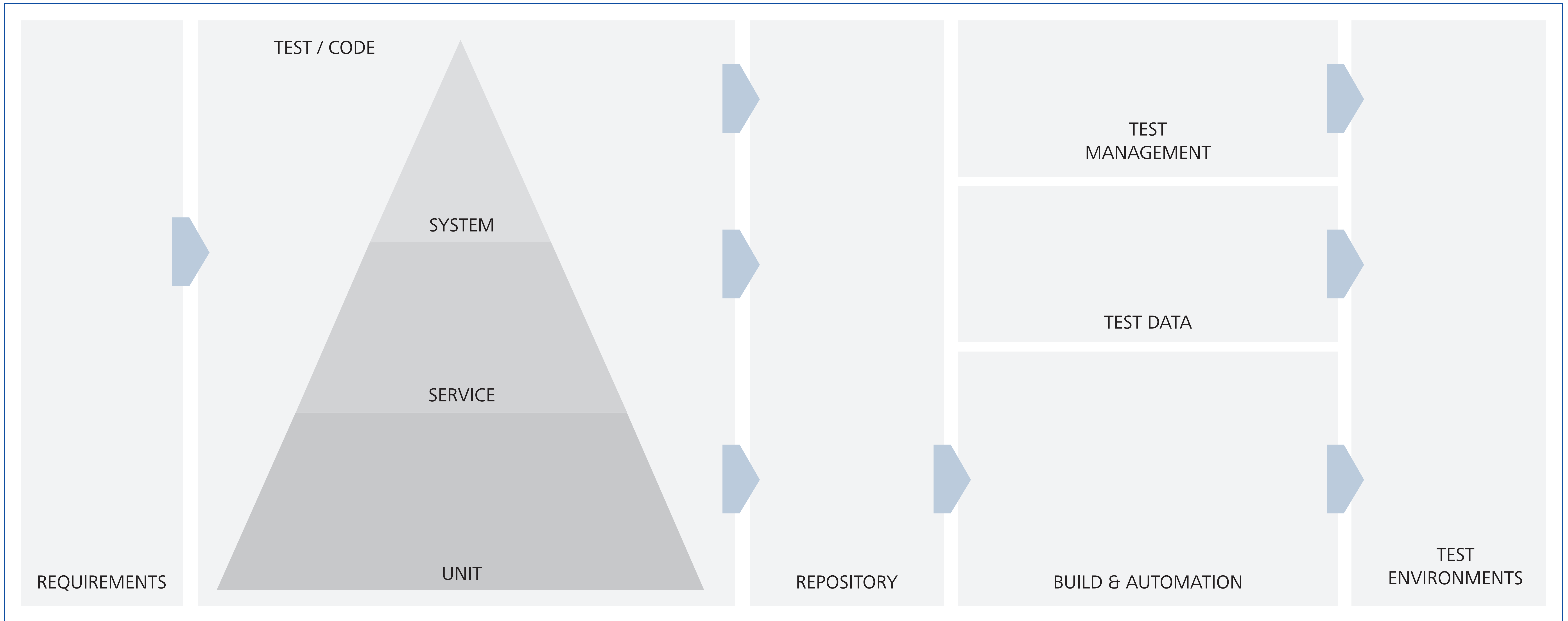
DESCRIPTION QA MAP

The teams can use the following questions to fill the QA Map and therefore to plan and document all necessary steps required for an optimal testability of their projects.

REQUIREMENTS
- What are the requirements?
- Do the requirements support the preparation of the test case?
- Can requirements and tests be linked?

TEST / CODE
- Where do we place the tests?
- Do we have the necessary skills?

REPOSITORY
- Where do we store the test artifacts?
- Are there different artifacts?

TEST MANAGEMENT
- How do we plan our tests?
- How do we document our tests?
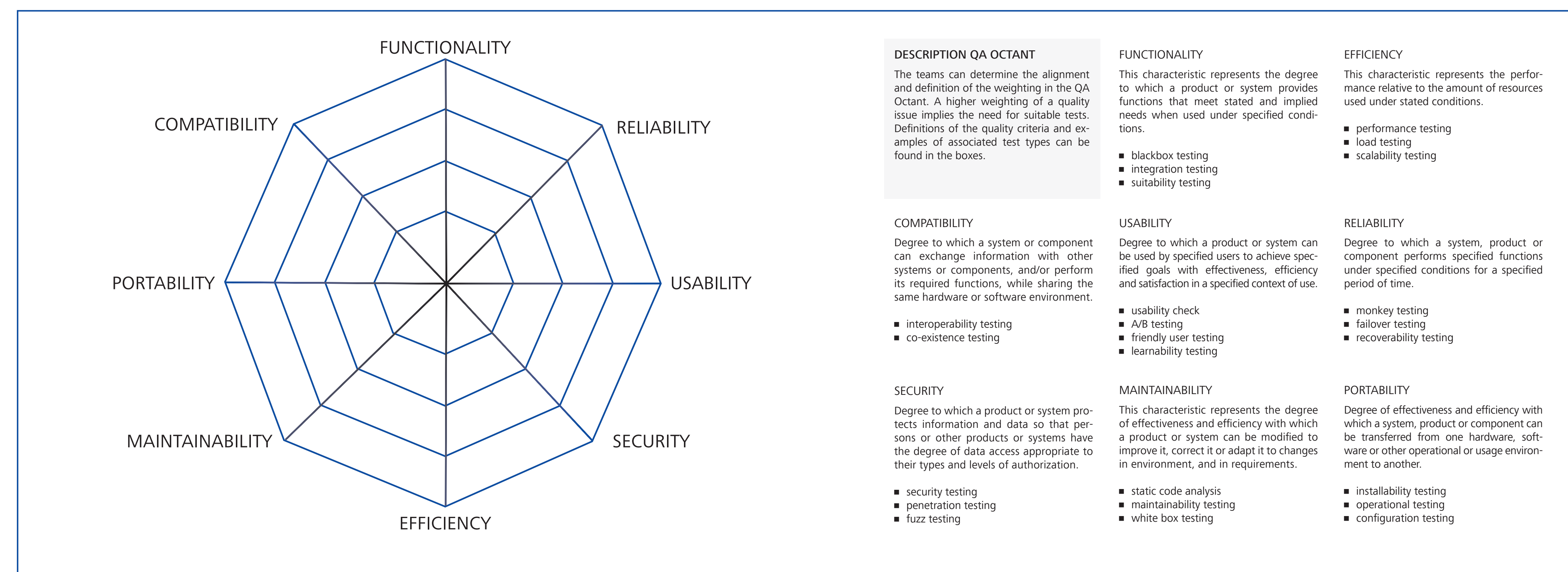- How do we report? And to whom?

TEST DATA
- Where do we get the test data from?
- Do we need anonymization?
- How do we generate test data?

BUILD & AUTOMATION
- How much test automation is required?
- Do we need additional tools?
- How often do we want to build and test?

TEST ENVIRONMENTS
- Do we have an adequate environment for every test?
- Will we get in each other's way?

FUNCTIONALITY

RELIABILITY

COMPATIBILITY

USABILITY

PORTABILITY

SECURITY

MAINTAINABILITY

EFFICIENCY

DESCRIPTION QA OCTANT
The teams can determine the alignment and definition of the weighting in the QA Octant. A higher weighting of a quality issue implies the need for suitable tests. Definitions of the quality criteria and examples of associated test types can be found in the boxes.

FUNCTIONALITY
This characteristic represents the degree to which a product or system provides functions that meet stated and implied needs when used under specified conditions.
- blackbox testing
- integration testing
- suitability testing

EFFICIENCY
This characteristic represents the performance relative to the amount of resources used under stated conditions.
- performance testing
- load testing
- scalability testing

COMPATIBILITY
Degree to which a system or component can exchange information with other systems or components, and/or perform its required functions, while sharing the same hardware or software environment.
- interoperability testing
- co-existence testing

USABILITY
Degree to which a product or system can be used by specified users to achieve specified goals with effectiveness, efficiency and satisfaction in a specified context of use.
- usability check
- A/B testing
- friendly user testing
- learnability testing

RELIABILITY
Degree to which a system, product or component performs specified functions under specified conditions for a specified period of time.
- monkey testing
- failover testing
- recoverability testing

SECURITY
Degree to which a product or system protects information and data so that persons or other products or systems have the degree of data access appropriate to their types and levels of authorization.
- security testing
- penetration testing
- fuzz testing

MAINTAINABILITY
This characteristic represents the degree of effectiveness and efficiency with which a product or system can be modified to improve it, correct it or adapt it to changes in environment, and in requirements.
- static code analysis
- maintainability testing
- white box testing

PORTABILITY
Degree of effectiveness and efficiency with which a system, product or component can be transferred from one hardware, software or other operational or usage environment to another.
- installability testing
- operational testing
- configuration testing

Learn more about the QA Navigation Board:

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