

## **Assurance case checklist**

**TRUST-IT** 

3.10.2025

Assurance case argument quality can be checked during the assessment process with the use of a checklist given below.

## 1. Clear and unambiguous assurance case

- a) Well focused the argument goal clearly specifies an object, required properties and all context elements
- b) Understandable the goals, line of reasoning and context are clearly specified
- c) Precise descriptions are clear and the terms used are defined
- d) Explicit claims and argumentation strategies are explicitly defined
- e) Restricted the context and boundaries are clearly specified
- f) Defined terminology abbreviations, acronyms, and technical terms are defined within the assurance case or in a referenced glossary

## 2. Convincing arguments

- a) Direct reasoning should aim directly at the specific claim
- b) Defensible capable of being justified and defended
- c) Comprehensive reasoning should cover the full scope of the top claim, its context and the assumptions
- d) Complete containing all elements required to reason the conclusion but not redundant elements
- e) Robust not based on optimistic assessment and weak premises
- f) Justified assumptions assumptions are explicitly stated and justified, supported by evidence when appropriate

## 3. Compelling evidence

- a) Veracious representing the truth and being accurate
- b) Applicable consistent with the goals and useful for the reasoning, adequate
- c) Unambiguous not open to more than one interpretation
- d) Sufficient containing all information required by the supported base claim
- e) Up to date representing the current state adequate for the goals and context
- f) Traceable evidence sources are traceable to original documents or systems of record

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