

## WEFACT

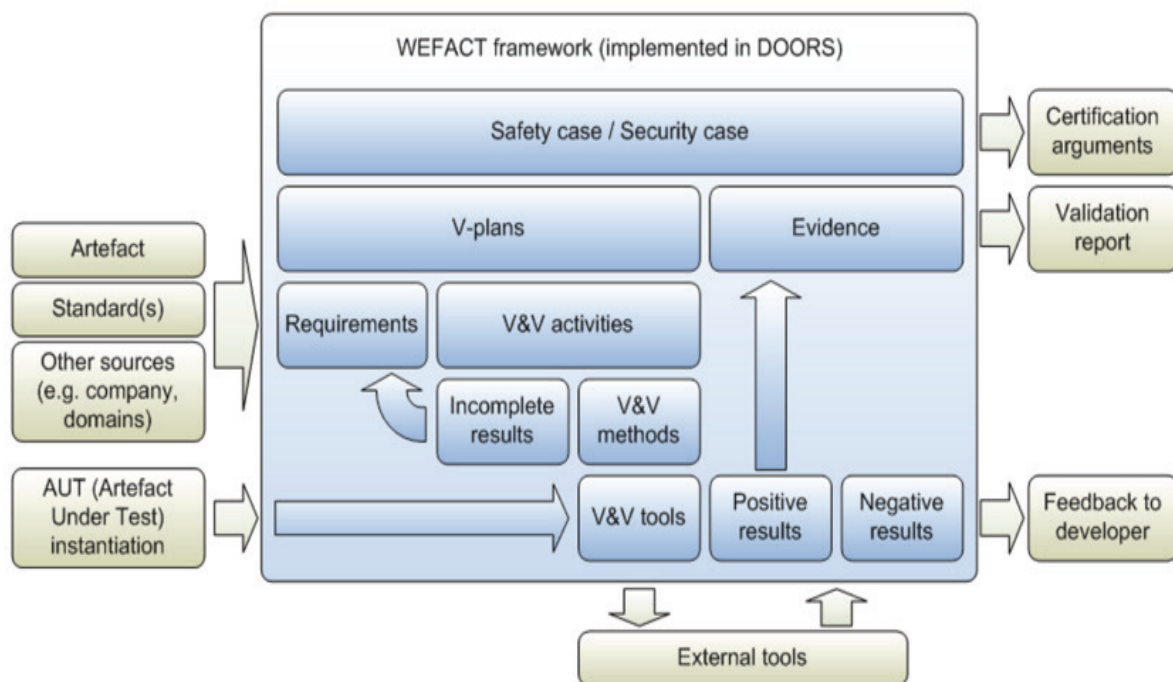
WEFACT consists of the WEFACT framework which provides a flexible infrastructure for defining and executing V&V processes. External resources – external processes, tools and standards – are integrated into the WEFACT framework by well-defined interfaces. The safety case or security case respectively is the central output of WEFACT. It summarizes the information of the V&V process and provides a basis for the certification of the artefact under test (AUT).

The validation plan (V-plan) consists of the requirements for the AUT as well as the V&V activities which are necessary in order to satisfy those requirements. A V&V activity is the application of a V&V method by means of an appropriate V&V tools. It is possible to integrate various external tools. Positive results of the V&V activity are used to establish evidence for the requirements, while negative results are fed back to the developer team.



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### WEFACT FRAMEWORK



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### WORKFLOW ENGINE FOR ANALYSIS, CERTIFICATION & TEST

1. Guides users through the V&V (verification and validation) and certification process
  - Follows functional safety and security standards
  - Provides a workflow starting from definition of requirements to generation of modular and incremental safety and security cases
2. Helps in identifying and carrying out V&V activities
  - Organizes V&V activities in V-plans (validation plans) for controlling the V&V process, supporting traceability and tracking the status
  - Supports automatic and manual processing of V&V activities using customized integration of V&V methods and V&V tools
3. Collects documented evidence in repositories
  - Provides an interface for external data and document repositories
  - Provides templates for reports, e.g. V&V activity reports, validation reports and safety and security case reports



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### ALSO SUPPORTING YOU WITH

- Test Plan Reviews
  - Gain confidence in your test plan following the appropriate norms
- Identifying & Closing Gaps in Testing with State of Art
  - Following norms might not be enough – know the size of your blind spot
  - Obtain updated test plan/tests closing gaps to the state of art
- Safety audit rehearsals
  - AIT's senior experts help in preparation for an upcoming safety audit
- Review of Security concept and/or internal development workflows
  - Identify potential weaknesses and necessary improvements
  - Based on applicable standards, AIT will review development workflow and suggest improvements.
- Study and Technology Evaluation & Workshops
  - See how you can profit from new technologies (e.g., virtual testing, automated code analyses)