

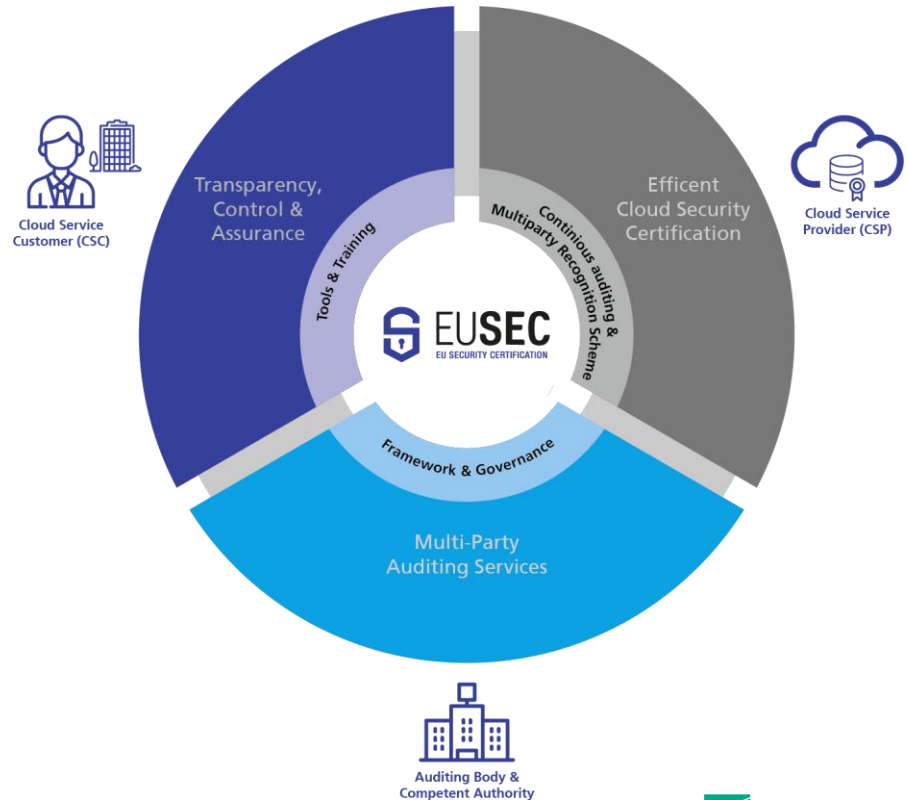
Fraunhofer FOKUS
Institute for Open Communication Systems

Providing Trust Through Efficient Cloud Security Certification
The EU-SEC Project

The European Security Certification Framework (EU-SEC)

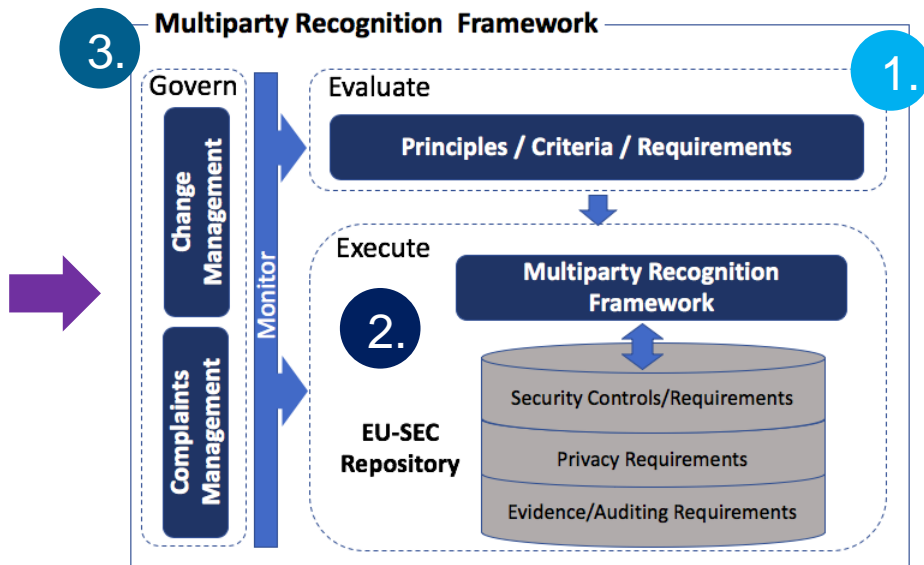
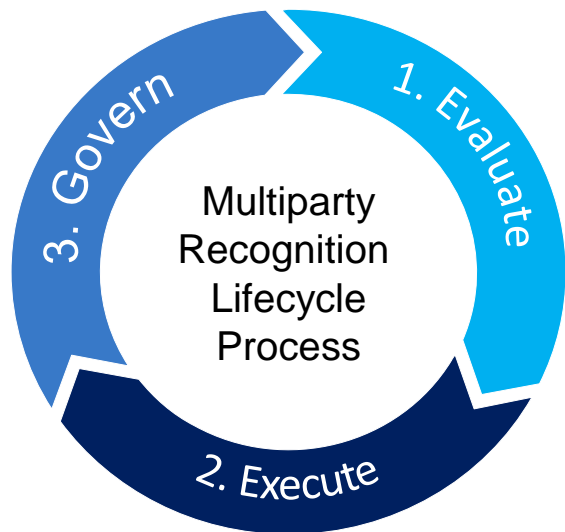
Innovation project with an aim to create a framework under which existing certification and assurance approaches can co-exist. It has a goal to improve the business value, effectiveness and efficiency of existing **cloud security certification schemes**.

- **multiparty recognition framework** for cloud security certifications and
- **continuous auditing based certifications**
- **governance structure** for trustful and compliant use of cloud computing



This project has received funding from the European Union's HORIZON Framework Programme for research, technological development and demonstration under grant agreement no 731845.

Multi Party Recognition Framework: Overview



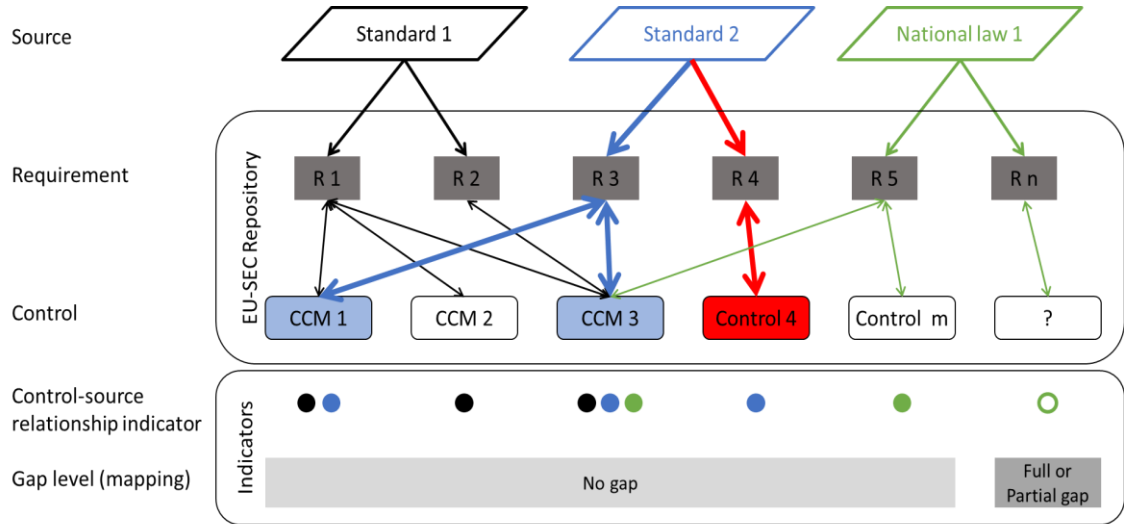
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Multi party Recognition: Application

- Based on EU-SEC Requirements Repository
- Systematic mapping of standards to CSA CSM
- Gap analysis with gap classification
- ISO 27000-family and the ISAE 3000 assessments are supported



■ No gap ■ Partial gap ■ Full gap

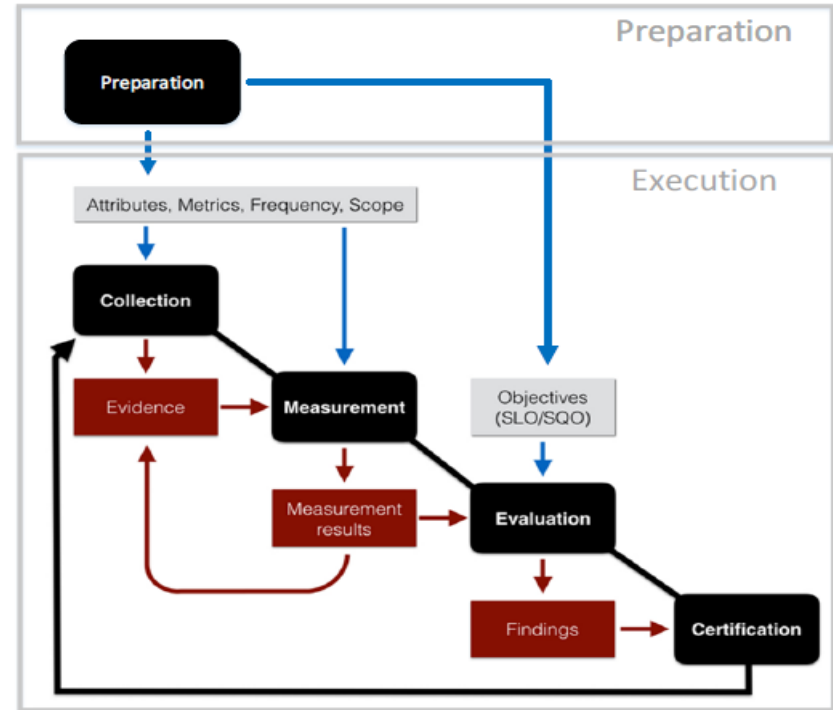


↔ Requirements are covered by controls that have been implemented under other schemes > **recognition**

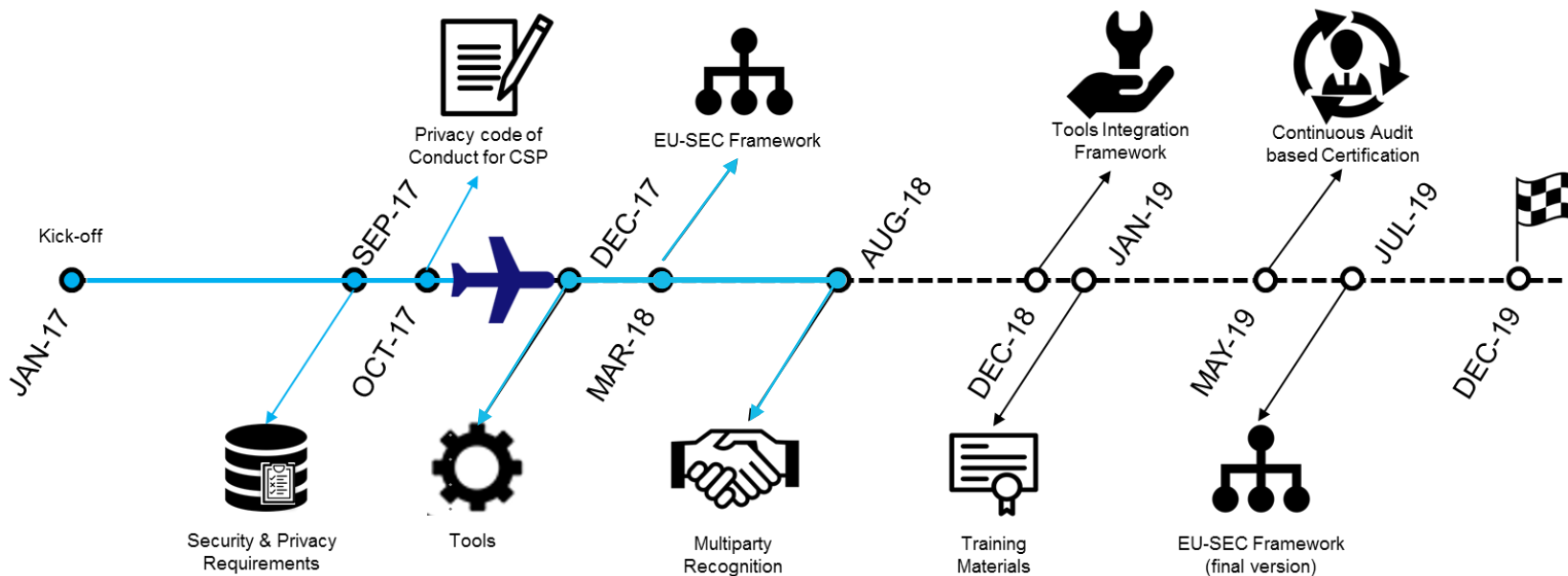
↔ Requirements need implementation of controls > **new compliance**

Continuous Auditing Model

- Preparation: Identification of the objectives (SQO, SLO), frequencies, attributes and metrics, as well as the measurements points
- Collection: Collection of raw data
- Measurement: Transform the collected raw data into usable measurement results
- Evaluation: Compile information on controls from attributes and document findings
- Certification: publish results according to the chosen continuous auditing certification scheme (i.e. *Continues Self-assessment, Extended Certification with Continuous Self-assessment, Continuous Certification*)



The Work Plan



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Contact and Information



Visit

- Project deliverables and news
- Invitations to view progress and provide feedback at national and European stakeholder events
- Guidelines and trainings on the European certification framework

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