

Study on Online Collection Systems and technical specifications pursuant to Regulation 211/2011 and Implementing Regulation 1179/2011

DIGIT B.2

2 June 2017

- Context and objectives
- Presentation of the technical scenarios under assessment
 1. Stand-alone OCS under the responsibility of the organisers
 2. OCS software and hosting only provided by the Commission
 3. OCS as a single central online platform
- Methodology
- Assessment

Context

- (i) Revision of the ECI Regulation
- (ii) In particular, scenario 3 of this study (i.e. single central online platform managed by the Commission) could lead to additional benefits in the light of the study on the use of electronic identification.

Objectives

- (i) Assess the 3 scenarios from legal, business, technical and security perspectives
 - a. Under scenario 3, investigate the possible integration with the Commission ECI Register and the impact of additional features (i.e. use of e-TrustEx), and provide high-level IT architecture
- (ii) Propose recommended changes to Regulation 211/2011 and Implementing Regulation 1179/2011 in order to make the functioning of the online collection simpler, more efficient and fit for purpose

ECI Technical Specifications

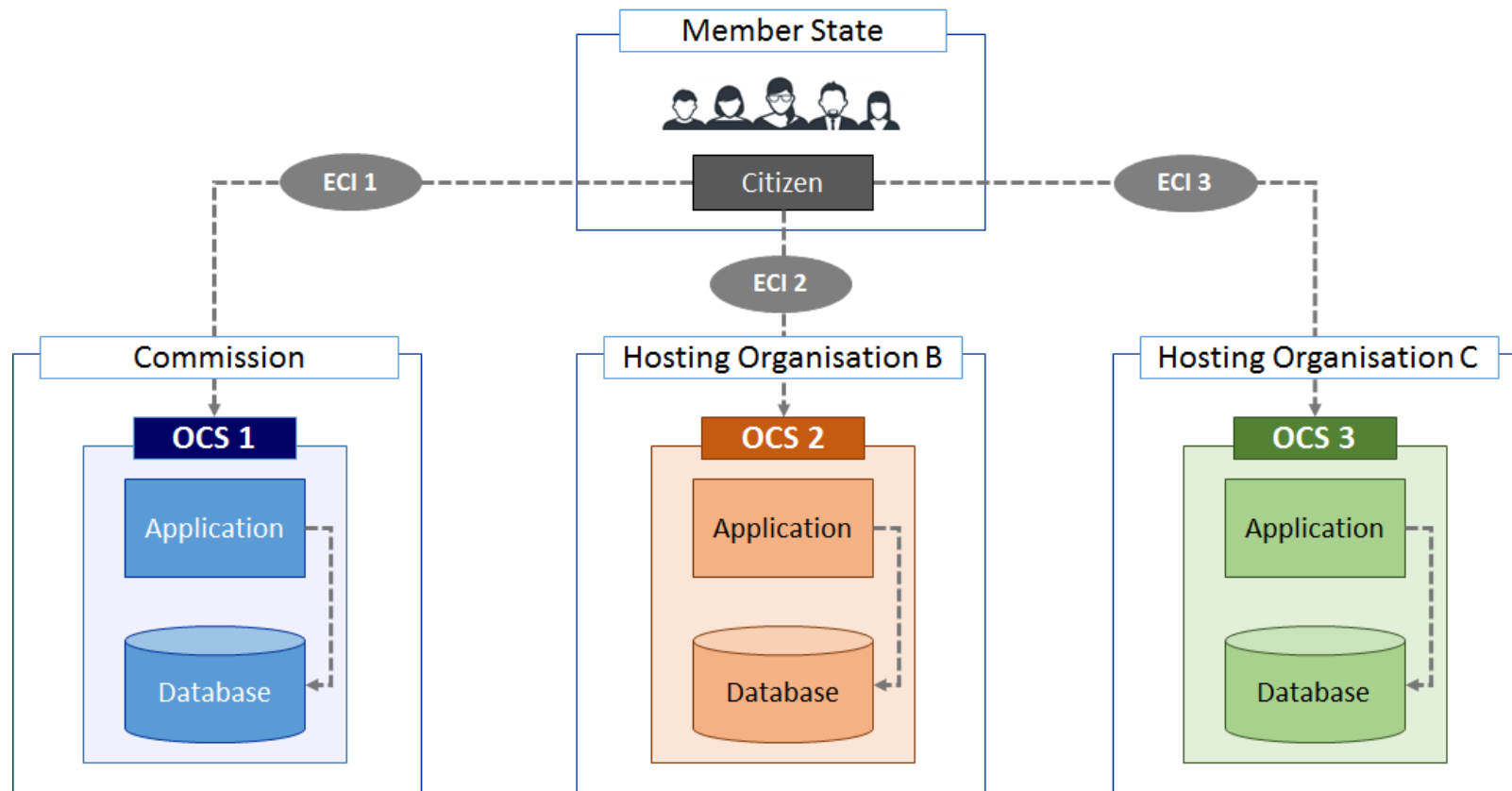


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Scenario 1 – Standalone OCS under the responsibility of the organisers

This scenario consists in the **update of the current technical specifications** to cater for evolution and new threats in security as well as in application architecture.

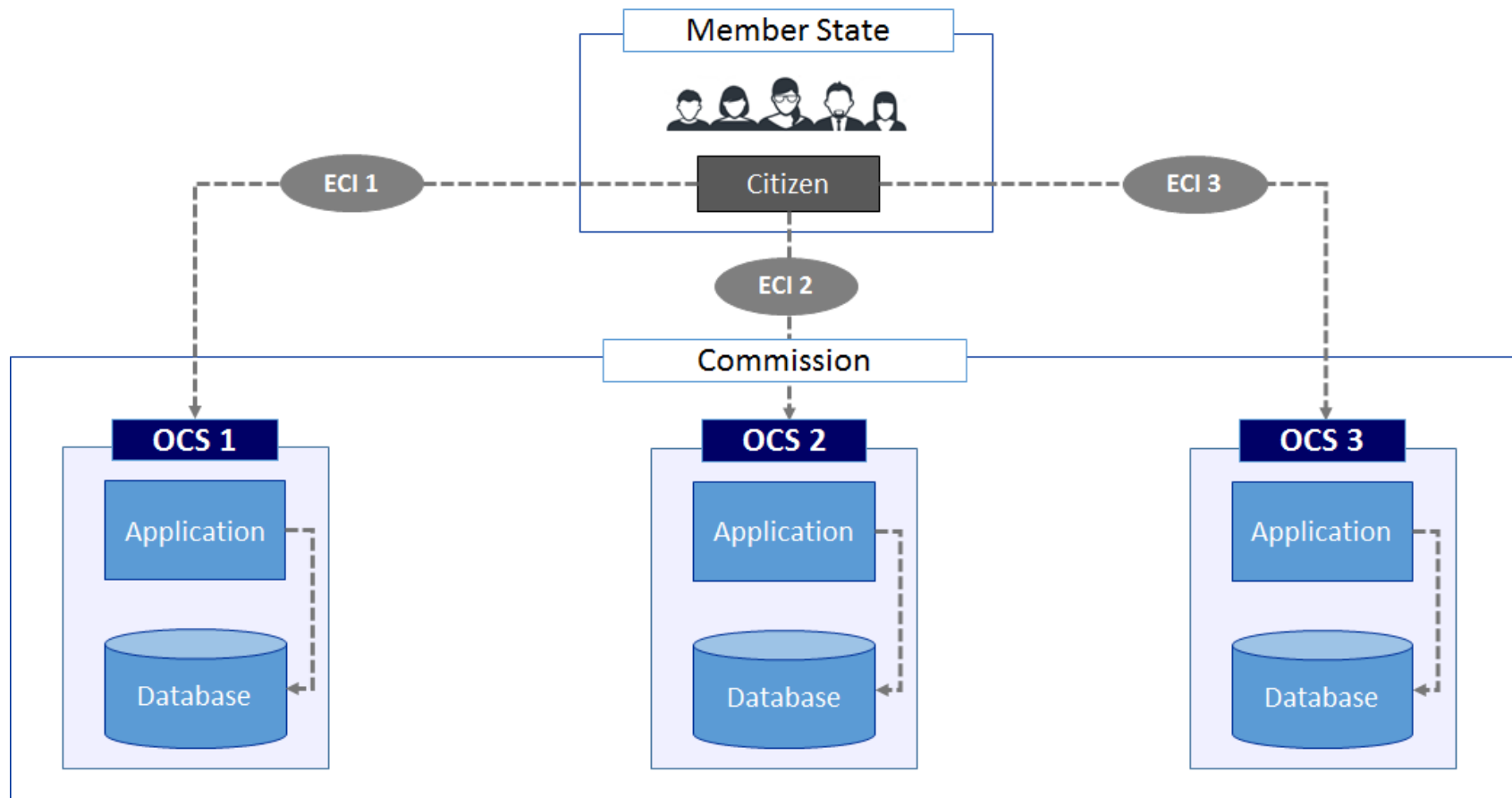
Standalone instances of OCS software and infrastructure can be provided either by the Commission or by third party hosting organisation.



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Scenario 2 – OCS software and hosting only provided by the Commission

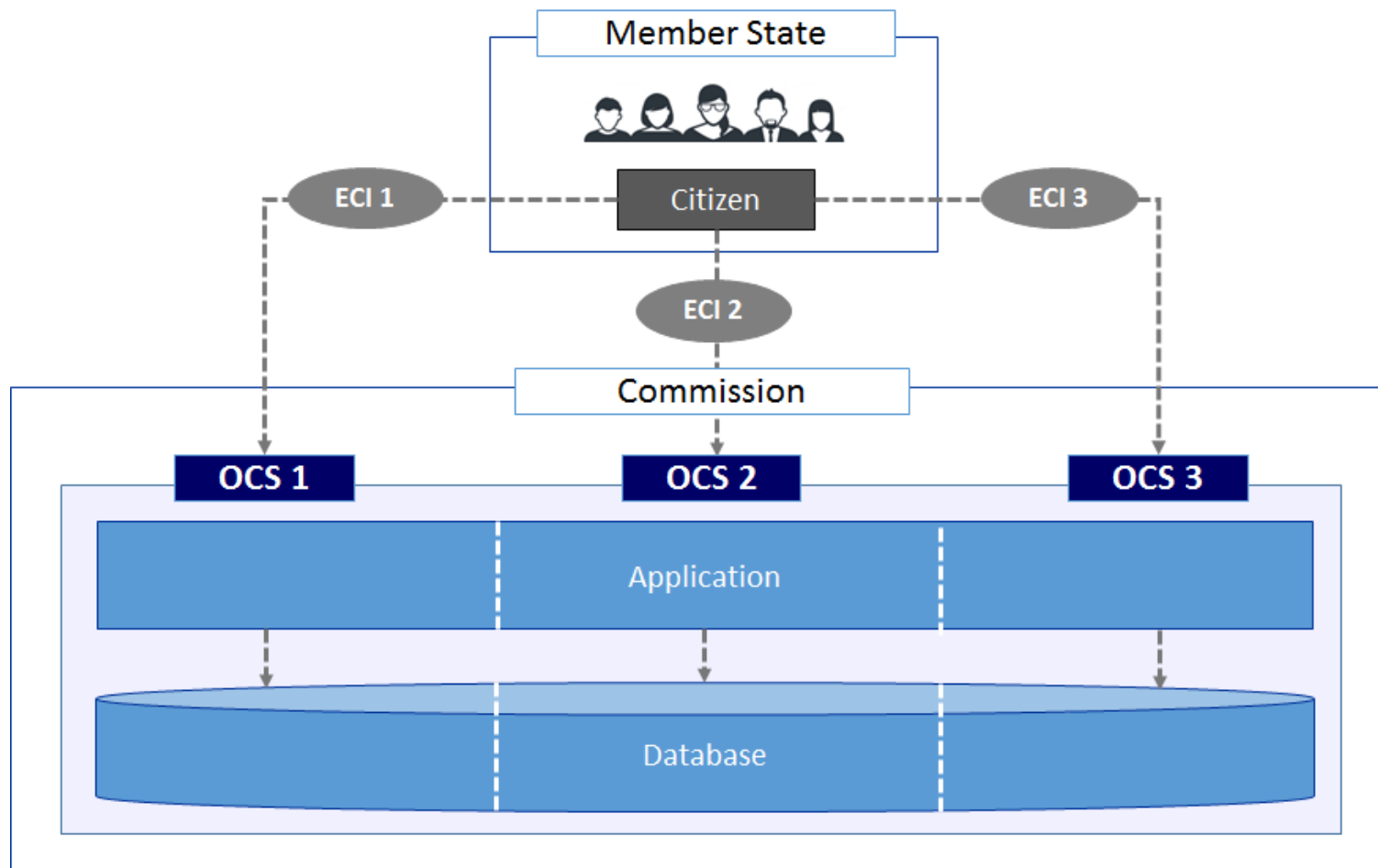
This scenario evaluates the feasibility and impact of allowing **only the current Commission OCS software and infrastructure** for collecting statements of support, from a legal, business, technical, and security perspective. Each OCS is provided as a **standalone instance**.



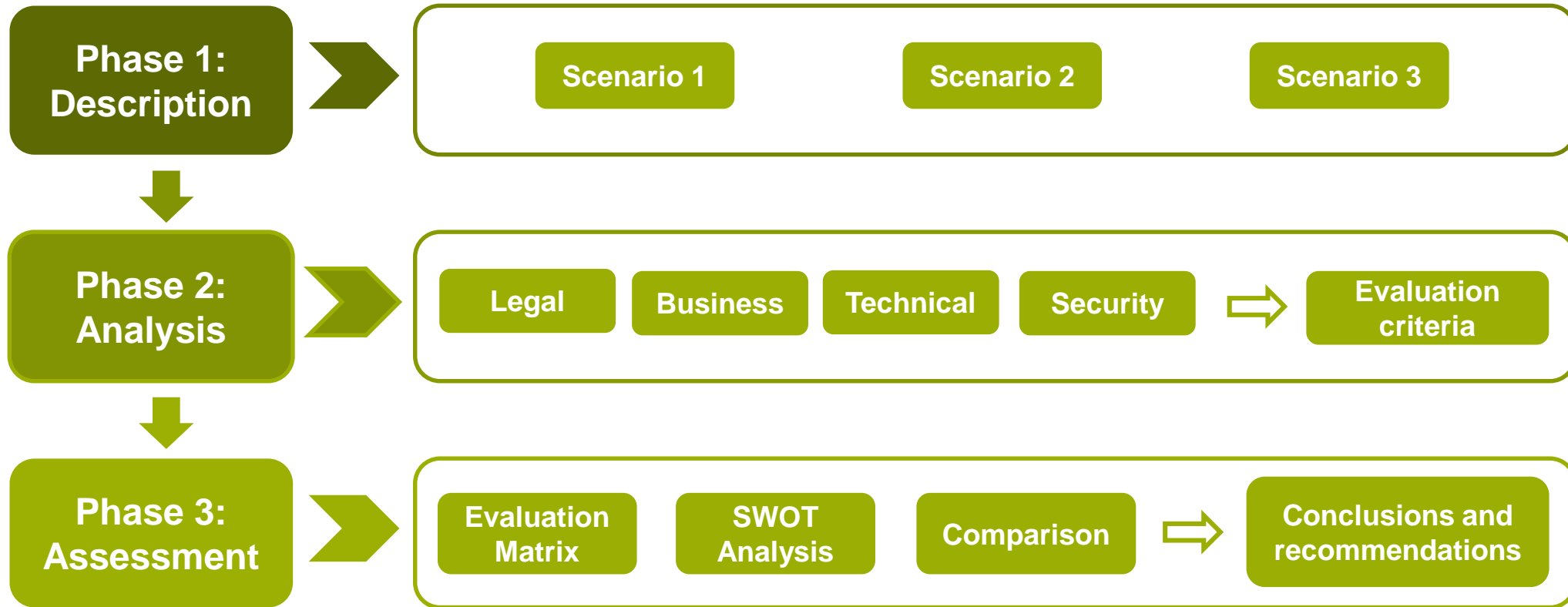
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Scenario 3 – Single central online platform

This scenario evaluates the feasibility and impact of providing the **OCS** as a **single central online platform managed by the Commission** in a **cloud-based centralised environment**, from a legal, business, technical, and security perspective.



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Methodology



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The 3 scenarios will be assessed according to 4 dimensions and a total of 12 criteria:

- Legal
- Business
- Technical
- Security

Scenario	Legal Analysis		Business Analysis			Technical Analysis			Security Analysis				Score
	ECI Regulation	GDPR Regulation	Convenience	Certification	Verification	Implementation	Operations	Costs	Security Architecture	Software Development Security	Data Security & Integrity	Identity & Access Management	
Scenario 1 Stand-alone OCS under the responsibility of the organisers													
Scenario 2 OCS software and hosting only provided by the Commission													
Scenario 3 OCS as a Service (Commission-run centralised OCS)													
TOTAL SCORE													

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Methodology

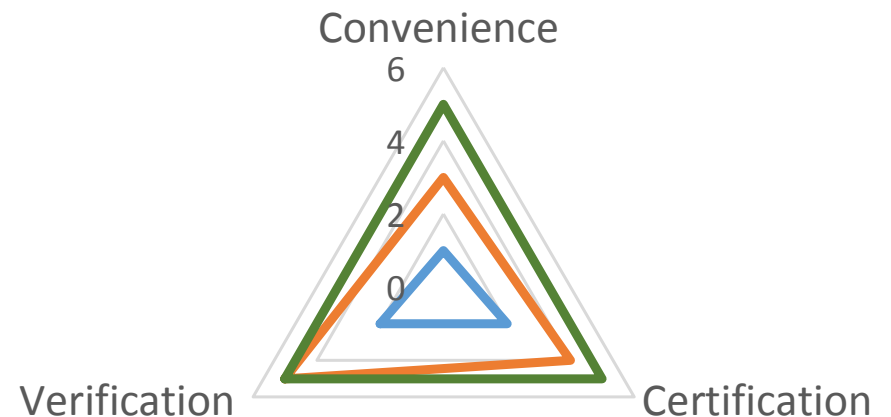


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For each dimension, the impact on every stakeholder is assessed in order to obtain a score for each scenario.

		Stakeholders involved				Score
Business analysis	Evaluation criteria	Competent Authorities	European Commission	Organiser	Citizen*	
	Convenience					
	Certification					
	Verification					
TOTAL SCORE						

In addition, a SWOT analysis will be performed to highlight the pros and cons of each scenario.



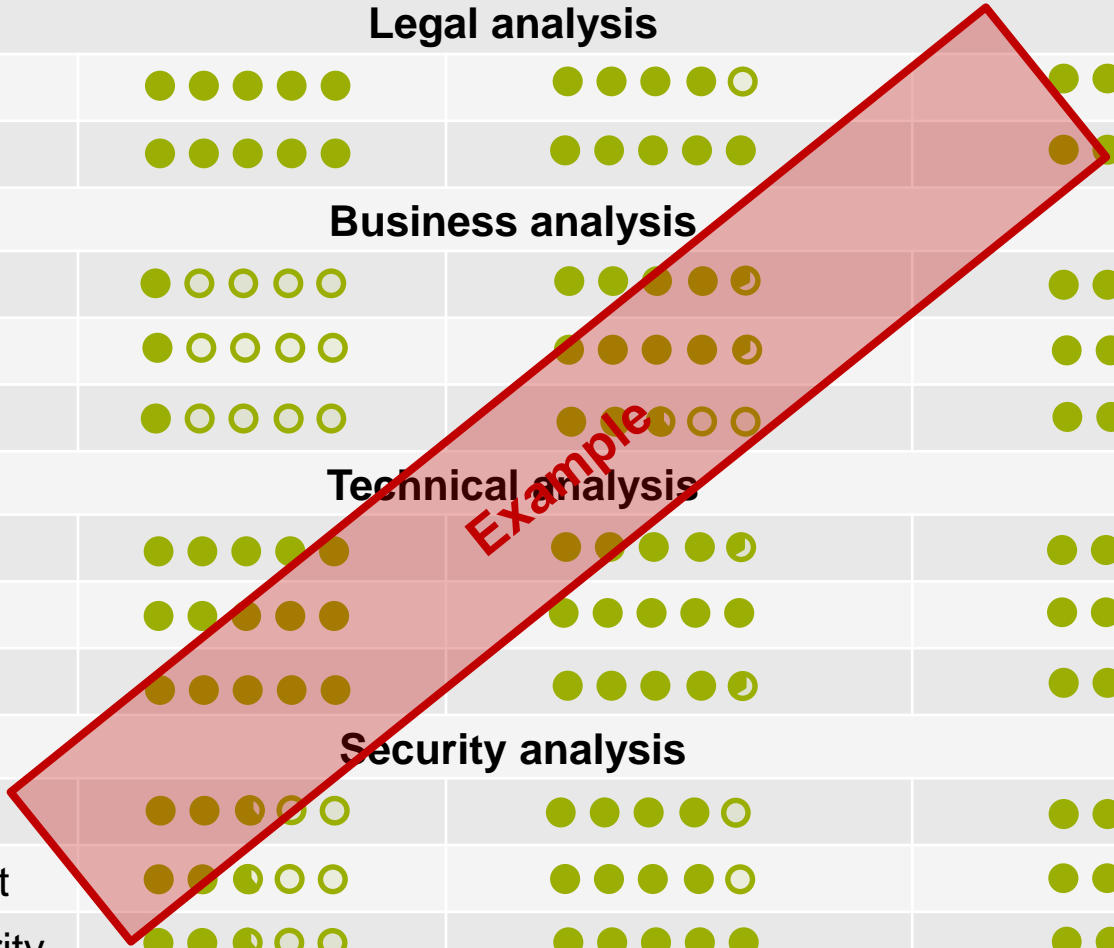
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Assessment of the Solutions



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Evaluation Criteria	Scenario 1	Scenario 2	Scenario 3
Legal analysis			
ECI Regulation	● ● ● ● ●	● ● ● ● ○	● ● ● ● ○
GDPR Regulation	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
Business analysis			
Convenience	● ○ ○ ○ ○	● ● ● ● ●	● ● ● ● ●
Certification	● ○ ○ ○ ○	● ● ● ● ●	● ● ● ● ●
Verification	● ○ ○ ○ ○	● ● ● ● ●	● ● ● ● ●
Technical analysis			
Implementation	● ● ● ● ●	● ● ● ● ●	● ● ● ● ○
Operations	● ● ● ● ●	● ● ● ● ●	● ● ● ● ●
Costs / efforts	● ● ● ● ●	● ● ● ● ●	● ● ● ● ○
Security analysis			
Architecture	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●
Software development	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●
Data Security & Integrity	● ● ● ● ○	● ● ● ● ●	● ● ● ● ●
Identity & Access Mgmt	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●





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