

Supplementary Material to the Paper "Towards a Goal-Centric Assessment of Requirements Engineering Methods for Privacy by Design"
Requirements Engineering Method Goal (MG) 1: Facilitating GDPR compliance throughout SDLC

Goals	Subgoals	Questions	Criteria/Metrics
MG1: Facilitating GDPR compliance throughout SDLC	MG1.1: facilitating software design and architecture for GDPR compliance implementation	Q1.1.1: Does method support documenting GDPR compliance on software architecture level?	M1.1.1.1: documentation completeness
		Q1.1.2: Does method support architecture review engaging legal experts?	M1.1.2.1: reviews frequency
		Q1.1.3: Does method support discerning GDPR compliance controls that need to be implemented?	M1.1.3.1: number of controls identified
		Q1.1.4: Is it clear what is the priority for controls implementation?	M1.1.4.1: prioritization available
		Q1.1.5: Does method facilitate compliance controls modularity?	M1.1.5.1: module size
			M1.1.5.2: module complexity
		Q1.1.6: Does method support isolation of compliance and business logic?	M1.1.6.1: separation degree
		Q1.1.7: Does method facilitate GDPR controls reusability?	M1.1.7.1: component reuse
			M1.1.7.2: implementation rate
		Q1.1.8: Does method support "open" (flexible, adaptable, interoperable) architecture of controls implementation?	M1.1.8.1: ease of controls implementation
	MG1.2: facilitating software development	Q1.2.1: Does method provide clarity that requirements originate from regulations?	M1.2.1.1: traceability coverage
		Q1.2.2: Does method facilitate specifications correctness?	M1.2.2.1: correctness
			M1.2.2.2: number of compliance breaches
		Q1.2.3: Does method provide an overview of relevant requirements?	M1.2.3.1: overview completeness
		Q1.2.4: Is it possible to identify code that implemented compliance?	M1.2.4.1: traceability coverage
		Q1.2.5: Does the method help avoid omitting any requirements?	M1.2.5.1: completeness
	MG1.3: facilitating quality assurance	Q1.3.1: Does method facilitate compliance implementation testability? Q1.3.2: Are test cases correct? Q1.3.3: Is compliance implemented correctly?	M1.3.1.1: number of test cases
			M1.3.2.1: proportion of correct test cases
			M1.3.3.1: number of passed test cases
	MG1.4: facilitating compliance throughout engineering processes	Q1.4.1: Is it possible to integrate method into development model?	M1.4.1.1: number of conflicts with development model
		Q1.4.2: Is there a mechanism to assure compliance over time?	M1.4.2.1: usability
		Q1.4.3: Can we directly understand how compliance was implemented (without reverse engineering)?	M1.4.3.1: proportion of compliance questions that can be answered
		Q1.4.4: Is it clear what is the impact of GDPR compliance on software (engineering) processes?	M1.4.4.1: number of required changes