TEMPLATE P15 · ARCHITECTURE RECORD

Architecture record

Documents the solution architecture, the design decisions with their alternatives and the traceability between the phase 3 risks and requirements and the designed controls.

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01

Instructions for use

Aspect	Guidance
When it is used	In phase 4 (Solution design), before G4. It is kept alive in phases 5 and 6: every relevant architecture change adds a decision and updates the version.
Who completes it	The AI Technical Owner, who is accountable for and carries out the work in phase 4. Information security, the AI Operations Owner and the AI Risk Owner are consulted.

Aspect	Guidance
Who verifies it	Lite: AI Office. Enterprise: AI Auditor.
Who decides	Lite: AI Technical Owner with risk clearance (01 §7.5). Enterprise: AI Committee.
Gate at which it is reviewed	Design. It is checked again at G5 (what was built matches what was designed) and at R6 (changes). (G4)
Tool	It has no tool of its own; it is linked as evidence in T03.
Lite versus Enterprise	Lite may omit the fields and blocks marked **(Enterprise)**. The overview, the components, the decisions and the traceability of controls are mandatory in both.

Completion rules:

- The architecture must cover the **controls required by the risk classification** and the phase 3 risks must have a **designed control** (01 §6.6).
- There must be a **stop mechanism** and a rollback path (P19).
- Diagrams are attached as a linked file or as a Mermaid block; they are not drawn in text.
- This record summarises and links: data and model lineage goes in P16, human oversight in P17, security in P18, rollback in P19 and monitoring in P25.

02

Identification

Field	Content	Guidance
Use case code		IA-AAAA-NNN.
AI systems covered		Codes from P05.
Regulatory classification and intensity		From P11 and P04.
Autonomy level		A0 · A1 · A2 · A3.
Document version		
Date		DD-MM-AAAA.
Author		Name and role.

03

Overview

Field	Content	Guidance
Solution description		What it does, for whom and how it fits into the process, in plain language.
Context diagram		Link to the diagram: users, external systems, suppliers and solution boundaries.
Component diagram		Link to the diagram of components and main flows.
Scope of this version		What the design includes and what is left for later versions.
P02 constraints applied		Mandatory platforms, data location, maximum autonomy, red lines.

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Components

Component	Function	Type	Supplier or team	Version	Hosting environment	Data processed	Criticality
		Model · Orchestration · Data · Integration · Interface · Control · Monitoring					Low · Medium · High
(illustrative example) **Language model**	Draft responses based on the order information	Model	Supplier X (P14, N2)	Version pinned by contract	Supplier's cloud, EU region	Enquiry text and order data	High
(illustrative example) **Order lookup service**	Return only the authenticated customer's orders	Integration	Internal team	1.0	Corporate cloud	Order data	High

Component	Function	Type	Supplier or team	Version	Hosting environment	Data processed	Criticality
(illustrative example) **Output filter**	Block personal data not belonging to the customer	Control	Internal team	1.0	Corporate cloud	Generated response	High

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Models

Summary; details of versions, training data and evaluations go in P16.

Model	Type	Origin	Use	Selection criterion	Evaluation performed	Planned replacement
	Predictive ML · Generative AI · Agent · Other	In-house · Third-party · Open source			Metrics and date	

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Data flows and integrations

Flow	Source	Destination	Data	Frequency	Protection in transit	Transfer outside the EEA
				Real time · Batch		Yes · No

Details of sources, transformations and versions in P16.

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Architecture decisions

One row per relevant decision. Decisions are not deleted: if they are superseded, the previous one is marked as superseded.

No.	Decision	Context	Alternatives considered	Reason for the choice	Consequences and risks	Date	Status
DA-01							Proposed · Approved · Superseded by DA-NN
(illustrative example) **DA-01**	The model does not access the order system directly; it only receives the data returned by an intermediate service.	Risk of leakage of other customers' data (P12, R01).	Direct access by the model through a tool; retrieval over an index containing all orders.	Limits by design the available data to those of the authenticated customer.	Higher latency; maintenance of the intermediate service.	20-01-2027	Approved

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Traceability of risks, obligations and controls

Each risk in P12 that requires treatment and each obligation in P11 must have at least one designed control.

Risk or obligation	Origin	Designed control	Component	Detail template	How it will be tested in phase 5
	P12 R.. · P11			P16 · P17 · P18 · P19 · P25	
(illustrative example) **Leakage of another customer's data**	P12 R01	Intermediate service with filtering by authenticated customer and output filter	Order lookup service; output filter	P18	300 injection attacks with no leaks
(illustrative example) **Disclose that the person is interacting with an AI system**	P11 §10	Notice at the start of each conversation	Interface	P17	Functional review

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Non-functional requirements

Requirement	Target	How it is measured	Responsible component
Availability			
Response time			
Capacity and volume			
Cost per transaction			
Activity logging and traceability		What is logged, where and for how long it is retained	
Accessibility (Enterprise)			

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Oversight, security, operation and reversibility

Field	Content	Guidance
Human oversight points		Where a person intervenes and what is never delegated. Details in P17.
Identity and permissions of the system or agent		Accounts, least permissions, limits on action. Details in P18.
Stop mechanism		How the system is stopped, who can do so and how quickly.
Rollback		How to return to the previous version or to the process without AI. Details in P19.
Monitoring		Technical, quality, cost and security metrics. Details in P25.
Environments		Development, testing, pre-production and production; data separation.
Change management (Enterprise)		How changes to the model, prompts or configuration are approved.

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Estimated operating cost (Enterprise)

Category	Annual recurring cost (€)	Assumptions	Change from P10
Licences			
Model consumption			
Compute and infrastructure			
Operations people			
Suppliers and services			
Control and compliance			

If the recurring cost significantly exceeds that in P10, P08 is updated and this is reported at G4.

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Quality criteria

The formal G4 criteria are in document 21 (see criteria G4.xx).

#	Check	Status
1	The overview and the linked diagrams reflect the complete solution, including suppliers.	Met · Not met · Not applicable · Pending
2	Each component has an owner, version, hosting and data processed.	
3	Relevant decisions have alternatives and a reason.	
4	Every risk in P12 that requires treatment and every obligation in P11 has a designed control and a means of testing.	
5	There is a stop mechanism and a rollback path.	
6	The permissions of the system or agent are limited to what is necessary and do not exceed the maximum autonomy in P02.	
7	The P02 constraints (location, platforms, red lines) are respected.	

#	Check	Status
8	P16, P17, P18, P19 and P25 exist and are consistent with this record.	

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Approval and verification

Function	Role in SEVEN-G	Name and position	Date	Signature or reference
Prepares and is accountable	AI Technical Owner			
Consulted	Information security · AI Operations Owner · AI Risk Owner			
Issues clearance	AI Risk Owner			
Verifies	AI Office (Lite) · AI Auditor (Enterprise)			
Decides	AI Technical Owner with risk clearance (Lite) · AI Committee (Enterprise)			

Segregation of duties: under Lite, the AI Technical Owner decides G4 on their own design only because 01 §7.5 allows it with risk clearance and independent verification by the AI Office; both must be on record before the decision.

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Version control

Completed document

Version	Date	Author	Changes

Template

Version	Date	Changes
0.1	16-09-2026	First version. Register of components, architecture decisions and traceability of risks and obligations to controls, aligned with 01 §6.6.