QARAQUTU

QARAQUTU Corporate Pilot Brief

Verifiable incident witnessing and document integrity infrastructure

1. Why this brief exists

This brief summarizes how to read QARAQUTU's live pilot surface for academic, technical, and enterprise evaluation.

It is not an approval request; it is an invitation to critical technical review and suitable pilot-scenario selection.

> The system witnesses. It does not judge.
> Recorded □ derived.
> Derived output □ a verdict.
> Verification trace □ a final decision.
> Document production □ an accusation.
> Missing channels are not hidden; they appear as gaps.
> QARAQUTU surfaces the technical change trace for whoever bears judgment.
> A hash is only a file integrity trace.
> AI chain-of-thought is not recorded.

2. The problem addressed

In high-risk intelligent systems, the problem after an incident is not only collecting more data.

The harder task is separating recorded evidence, derived interpretation, missing channels, and integrity traces in a way multiple institutions can trust:

- Which data was recorded at the incident moment; what was derived later?
- Which channel was missing or interrupted?
- Did the produced document change afterward?
- How can institutions build shared ground on the same incident?

3. What QARAQUTU does / does not do

What it does:

- Separates recorded data from derived interpretation; makes gaps visible; links incident context to document production.
- Produces integrity traces for PDF and JSON outputs and ships a portable QDRM verification record alongside them.
- Uses recorded reference and compare flows to make differences readable.

What it does not do:

- Does not issue fault rulings.
- Does not generate accusations.
- Does not offer legal characterization or attribute fault.
- Does not claim a final decision.
- Does not replace human review.
- Does not store AI chain-of-thought.

QDRM verification record (summary)

- JSON or PDF outputs are accompanied by a portable QDRM verification record.
- The record can be read on /verifier or /verifier/compare.
- The hash trace is reported as match, diverge, or unreadable.
- QDRM is a portable, unsigned verification record; it is not a signed server-registry record.
- This trace is not a verdict; it gives decision-makers a technical comparison basis.
- No raw institutional data is requested at first contact.

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4. What can be observed in the live pilot

1. Open the pilot evaluation surface.
2. Review the controlled demo incident context.
3. Inspect the document production surface.
4. Review JSON/PDF outputs together with the portable QDRM verification record.
5. Read the hash trace on /verifier or /verifier/compare as match, diverge, or unreadable.
6. Open the recorded reference surface.
7. Use the compare flow to read the document under review against the recorded reference in the same frame.

8. Read the outcome as visibility into differences and traces, not as a verdict.

5. Four technical evaluation axes

5.1 AI and data engineering

Review the incident package, JSON envelope, and recorded versus derived split. In AI and SaaS agents, chain-of-thought is not stored; input, data source, action or tool calls, guardrails, missing data, and intervention traces are.

5.2 Software reliability and document integrity

Review eventId, exportId, PDF and JSON production traces, the limits of SHA-256, and the re-verification path. A hash is a file-integrity trace, not a claim of content correctness or a decision-basis assertion.

5.3 Robotics, control, and human handoff

Review the separation between automation and human intervention, channel interruption, the safety boundary, the AxisUS boundary and handoff line, and the USTA human-guidance layer.

5.4 Sensor, channel, and physical-system chain

Review source data, sensor state, channel interruption, the edge-to-cloud transfer path, NZcat physical-interaction classification, and immitus as the hardware and IP direction that brings integrity closer to the source.

6. QARAQUTU protocol family

- QARAQUTU: verifiable incident witnessing after the fact
- AxisUS: boundary, veto, and human handoff
- USTA: human guidance protocol
- NZcat: field, multi-actor, and physical-interaction classification
- immitus: hardware and IP direction that brings witness integrity closer to the source

7. Expected evaluation

This brief is not an approval request. Expected contributions include:

- technical critique
- data needs
- pilot scenario selection
- academic or industry alignment
- reliability and limitation assessment

8. Live links and contact

Pilot home: https://qaraqutu.org/pilot

Pilot evaluation: https://qaraqutu.org/pilot-degerlendirme

Demo entry: https://qaraqutu.org/demo-giris

Validate: https://qaraqutu.org/validate

PDF brief: https://qaraqutu.org/pilot/qaraqutu-corporate-pilot-brief-en.pdf

Document production demo: https://qaraqutu.org/verifier-next/document?demo=1&type=vehicle

Recorded reference: https://qaraqutu.org/verifier/original?mode=demo&type=vehicle&eventId=new-case&exportId=new-export

Compare: https://qaraqutu.org/verifier/compare?mode=demo&type=vehicle&eventId=new-case&exportId=new-export

Contact: https://qaraqutu.org/iletisim

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