

SONJE Memory-Fabric Authority / Epoch Enforcement Architecture

Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted.

IP-3895 · Executed digital evidence · RTL / reference evaluation

Function and architecture

- Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted.

Integration summary

SONJE Memory-Fabric Authority / Epoch Enforcement Architecture provides the documented memory security architecture responsibility: Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted. Evaluate the exact SONJE-IP-019 implementation and confirm its integration contract before using it inside the target design.

Technical record

Canonical identity	IP-3895
Native implementation identity	SONJE-IP-019
Documented responsibility	Checks requesting domain, read/write permission masks and revocation epoch at the point where memory work is accepted.
Recorded evidence class	Executed digital evidence
Interface and physical parameters	Bound to the selected source/configuration; not inferred from name or family.

Delivery and release binding

- Exact implementation and configuration manifest
- Documented interfaces and clock/reset contract
- Available reference or verification collateral
- Recorded physical views where authorized and applicable
- Integration acceptance criteria and unresolved gate list

Confirm for the selected release: Source/configuration identity, Interface and dependencies, Verification evidence, Process/library where applicable, Authorized package and acceptance criteria.

Evidence and qualification

rtl/p64/security/sonje_p64_access_guard.sv + P64_LOCAL_EVIDENCE.json + GitHub run 33474118845

Evidence shown is the Bible record for this canonical implementation, not a fresh tool rerun. External foundry acceptance, silicon measurements, standards certification and unlisted interface/physical parameters are not inferred. Exact delivery and rights are agreed before licensing.

Canonical status: P1 / P64 PASID+DOMAIN+EPOCH+VERSION+LOCK GUARD IMPLEMENTED; 128-CASE MATRIX PASS; SAT GATE OBSERVED PASS

Source basis: Bible v7.42 VERIFIED V29, IP-3895; 103.4 New canonical SONJE records - 58 net-new identities (table 798, row 20).

Evaluation and licensing

Evaluation: Review the exact recorded implementation and agreed test scope. Production: Named-design rights for the agreed qualified release. Custom work: Target integration, verification or physical qualification. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

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