

# NWAYO Context Capsule Architecture

Portable architectural transfer object for migration, interrupt, virtualization and accelerator boundaries, carrying canonical state references, PC/retirement, domain/epoch, translation, event and MCT context.

IP-3754 · Source / reference evidence · RTL / reference evaluation

## Function and architecture

- Portable architectural transfer object for migration, interrupt, virtualization and accelerator boundaries, carrying canonical state references, PC/retirement, domain/epoch, translation, event and MCT context.

## Integration summary

NWAYO Context Capsule Architecture provides the documented context / migration architecture responsibility: Portable architectural transfer object for migration, interrupt, virtualization and accelerator boundaries, carrying canonical state references, PC/retirement, domain/epoch, translation, event and MCT context. Evaluate the exact NWAYO-IP-010 implementation and confirm its integration contract before using it inside the target design.

## Technical record

|                                   |                                                                                                                                                                                                                   |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Canonical identity                | IP-3754                                                                                                                                                                                                           |
| Native implementation identity    | NWAYO-IP-010                                                                                                                                                                                                      |
| Documented responsibility         | Portable architectural transfer object for migration, interrupt, virtualization and accelerator boundaries, carrying canonical state references, PC/retirement, domain/epoch, translation, event and MCT context. |
| Recorded evidence class           | Source / reference 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

docs/CONTEXT\_CAPSULE.md + rtl/security/nwayo\_context\_capsule.sv

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 / IMPLEMENTATION-BACKED ARCHITECTURE

Source basis: Bible v7.42 VERIFIED V29, IP-3754; 99.4 New canonical NWAYO records - 74 net-new identities (table 792, row 11).

## 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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