SAP Case Skeletons

Extended Layer

0. Purpose

Provide canonical structural skeletons for all SAP-compatible cases. These skeletons define the allowable geometry of case construction without introducing narrative, examples, or domain anchoring.

1. Case Taxonomy

All SAP cases fall into one of the following structural classes. No hybridization or cross-class blending is permitted

1.1 Alignment Case

- Evaluates structural coherence.
- Tests altitude stability.
- Confirms invariance preservation.

1.2 Boundary Case

- Evaluates membrane integrity.
- Tests contamination resistance.
- Confirms exposure correctness.

1.3 Sequencing Case

- Evaluates gate order and transitions.
- Tests rhythm stability.
- Confirms non-interference across gates.

1.4 Drift Case

- Evaluates drift signatures.
- Tests detection and containment.
- Confirms correction protocol execution.

1.5 Structural Integrity Case

- Evaluates primitive fidelity.
- Tests notation correctness.
- Confirms Specification alignment

1.6 Governance Case

- Evaluates operator compliance.
- Tests altitude discipline.
- Confirms membrane enforcement.

2. Case Skeleton Structure

Each case skeleton contains the following canonical sections. No additions, deletions, or reordering are permitted.

2.1 Case Identifier

- Unique structural label.
- No semantic content.
- No domain reference.

2.2 Case Layer

- One of the canonical SAP layers.
- No multi-layer classification.
- No altitude blending.

2.3 Case Objective

- Single structural objective.
- No narrative framing.
- No contextual justification.

2.4 Preconditions

- Required altitude state.
- Required membrane state.
- Required Specification references.

2.5 Structural Inputs

- Canonical primitives only.
- No external frameworks.
- No interpretive constructs.

2.6 Procedure

- Ordered sequence of structural operations.
- No examples or domain steps.
- No heuristic substitution.

2.7 Expected Outputs

- Altitude-stable structural forms.
- Notation-compliant expressions.
- Membrane-consistent boundaries.

2.8 Failure Conditions

- Altitude collapse.
- Membrane breach.
- Sequencing deviation.
- Primitive distortion.

2.9 Correction Path

- Reversion to last verified state.
- Purification of contaminated frames.
- Reintegration into correct layer.

2.10 Verification Conditions

- Structural isomorphism with Specification.
- No drift signatures.
- Membrane intact.
- Sequencing stable.

3. Skeleton Templates

The following are the canonical skeletons for each case class. They contain no content beyond structural placeholders.

3.1 Alignment Case Skeleton

- **Identifier:** AC-X
- **Layer:** Specification or Substrate
- **Objective:** Validate structural coherence
- **Preconditions:** Altitude stable; membrane intact
- **Inputs:** Primitives; invariants
- **Procedure:** Ordered structural evaluation
- **Outputs:** Coherence confirmation
- **Failure Conditions:** Invariance loss
- **Correction Path:** Reversion → Purification → Reintegration
- **Verification:** Structural isomorphism

3.2 Boundary Case Skeleton

- **Identifier:** BC-X
- **Layer:** Membrane
- **Objective:** Validate boundary integrity
- **Preconditions:** Membrane rules active
- **Inputs:** Boundary primitives
- **Procedure:** Boundary stress evaluation
- **Outputs:** Integrity confirmation
- **Failure Conditions:** Boundary softening or breach
- **Correction Path:** Isolation → Purification → Reintegration
- **Verification:** Boundary crispness

3.3 Sequencing Case Skeleton

- **Identifier:** SC-X
- **Layer:** Operational
- **Objective:** Validate gate sequencing
- **Preconditions:** Gate definitions loaded
- **Inputs:** Gate primitives
- **Procedure:** Sequential gate evaluation
- **Outputs:** Sequencing confirmation
- **Failure Conditions:** Gate skipping, merging, or reordering
- **Correction Path:** Reversion → Rhythm restoration
- **Verification:** Canonical sequencing

3.4 Drift Case Skeleton

- **Identifier:** DC-X
- **Layer:** Support
- **Objective:** Validate drift detection
- **Preconditions:** Drift signatures known
- **Inputs:** Structural indicators
- **Procedure:** Drift signature evaluation
- **Outputs:** Drift classification
- **Failure Conditions:** Undetected drift
- **Correction Path:** Freeze → Isolation → Purification → Reintegration
- **Verification:** No remaining drift signatures

3.5 Structural Integrity Case Skeleton

- **Identifier:** SIC-X
- **Layer:** Specification or Substrate
- **Objective:** Validate primitive fidelity
- **Preconditions:** Glossary and Notation active
- **Inputs:** Canonical primitives
- **Procedure:** Primitive and notation evaluation
- **Outputs:** Integrity confirmation
- **Failure Conditions:** Primitive distortion or notation drift
- **Correction Path:** Purification → Re-alignment
- **Verification:** Primitive fidelity

3.6 Governance Case Skeleton

- **Identifier:** GC-X
- **Layer:** Extended
- **Objective:** Validate operator compliance
- **Preconditions:** Membrane rules internalized
- **Inputs:** Operator actions
- **Procedure:** Compliance evaluation
- **Outputs:** Governance confirmation
- **Failure Conditions:** Altitude violation or membrane inversion
- **Correction Path:** Reset → Re-establish altitude → Reintegration
- **Verification:** Operator alignment

4. Case Construction Rules

- No narrative content.
- No domain anchoring.
- No examples.
- No interpretive expansions.
- No deviation from skeleton geometry.
- No hybrid structures.
- No altitude mixing.

5. Completion Conditions

A case is complete only when:

- All skeleton sections are filled with altitude-stable content.
- No drift signatures appear.
- No membrane breaches occur.
- Structural isomorphism with Specification is preserved.
- Sequencing remains canonical.