

V121 / RED TEAM 005

Authority-Chain Continuity vs Consequence-Specific Scope Sufficiency

Full Evidence Submission Package

Submitted finding: authority-chain continuity $\neq$ consequence-specific scope sufficiency.

Examination ID	V121-AUTHORITY-SCOPE-SUFFICIENCY-001
Red Team ID	RED TEAM 005
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Disposition submitted for adjudication	PASS — BOUNDED

1. Purpose

This package preserves the frozen RED TEAM 005 proposition, the exact paired Specialty Pack artifacts, the executable reference Pack, the exact Harmonic replay packets, the two current-production replay records, and cryptographic hashes for the submitted evidence. The requested adjudication is limited to the frozen property below; no broader claim is requested.

2. Frozen proposition and rules

Frozen proposition: A currently intact authority chain does not imply standing for every proposition or consequence inside that chain.

Frozen distinction: authority-chain continuity $\neq$ consequence-specific scope sufficiency.

Frozen chain: $R_0 \rightarrow B \rightarrow C$.

Exact consequence: proposition execution_region_for_shared_execution, sub-scope scope-s, consequence consequence-k.

Derivation rule: No precomputed scope-insufficient flag or case-specific constitutional answer may be supplied. The Pack must derive scope sufficiency from the current delegation scope and the exact Scope S / Consequence K.

Hard rule: No child authority may inherit broader standing than the currently effective scope of the authority empowering it.

No-post-result rule: No post-result rescue, reinterpretation, or ownership shift is permitted.

3. Frozen pair

The $R_0 \rightarrow B \rightarrow C$ chain remains current and valid in both cases. R_0 , current $R_0 \rightarrow B$ empowerment, the $B \rightarrow C$ delegation instrument and broad ceiling, C authority instrument, signatures, attribution, provenance, effective

intervals, domain facts, source content/freshness, domain rule, exact requested consequence and observation time remain fixed. Only the currently effective $B \rightarrow C$ delegated scope changes.

Dimension	Case A	Case B
Authority chain	$R_0 \rightarrow B \rightarrow C$ current and valid	$R_0 \rightarrow B \rightarrow C$ current and valid
Current effective $B \rightarrow C$ scope	Includes proposition + scope-s + consequence-k	Narrowed to preserve scope-t / consequence-j only

4. Pre-frozen dispositions

PASS: For the affected consequence, the Pack stops constituting C as governing while preserving C authority for unaffected scopes/consequences.

FAIL: The Pack treats intact authority-chain continuity as sufficient and allows Consequence K or Scope S to inherit authority outside the currently effective $B \rightarrow C$ scope.

UNRESOLVED: The architecture cannot represent consequence-specific or sub-scope standing independently from overall authority-chain continuity, or another frozen substantive dimension must change to make the pair run.

5. Observed Pack results

Case	Chain status	Effective scope	Exact scope sufficient	Constitution status	Proposition value	Governing source
A	INTACT	scope-s + scope-t / consequence-j + consequence-k	true	CONSTITUTE D	EU-WEST	execution-region-registry-a
B	INTACT	scope-t / consequence-j	false	UNRESOLVE D_AUTHORITY_SCOPE	null	null

Observed result: Case B preserves overall chain continuity and valid authority artifacts, but the Pack does not let the affected Scope S / Consequence K inherit authority outside the currently effective delegation. Unaffected authority remains represented.

6. Downstream Harmonic witness

Case	Harmonic outcome	Admissible	Action	Authority continuity	Execution boundary
A	PERMITTED	true	allow	AUTHORITY_CONTINUOUS	should_execute=true
B	REFUSED	false	refuse	AUTHORITY_CONTINUOUS	should_block_execution=true

Important scope observation: Harmonic's authority_continuity primitive reports AUTHORITY_CONTINUOUS in both cases. The Case B refusal is driven by the Pack-supplied invalidating state transition through understanding_continuity / runtime_admissibility. Therefore this package does not claim that Harmonic independently reconstructs or detects the consequence-specific scope fracture.

Correct bounded chain: Pack derives consequence-specific scope insufficiency while chain continuity remains intact → affected constituted state becomes UNRESOLVED → Harmonic refuses that constituted state.

7. Submitted disposition

V121 / RED TEAM 005 — PASS, BOUNDED. The frozen pair demonstrates, within this represented authority model, that an intact current authority chain does not by itself establish standing for an exact consequence outside the currently effective delegated scope. The Pack removes governing force for the affected consequence while preserving unaffected delegated authority.

8. Claim ceiling

This PASS is bounded to the represented $R_0 \rightarrow B$ authority, $B \rightarrow C$ delegation instrument, current effective delegated-scope records, exact Scope S / Consequence K, executable Pack reference, and exact current-production Harmonic replay records. It does not establish:

- the external truth or legitimacy of the represented authority or scope evidence;
- universal recursive authority or scope closure;
- that every authority hierarchy or delegation model can be represented by this Pack structure;
- that Harmonic's authority_continuity primitive independently derives the scope fracture from raw external facts;
- physical downstream execution, atomic enforcement, or non-bypassability;
- a broader certification, production-safety, legal-authority, or universal-governance claim.

9. Evidence inventory

Artifact	Role
01_Frozen_Protocol/freeze.json	Machine-readable frozen proposition, pair, PASS/FAIL/UNRESOLVED definitions and claim ceiling.
01_Frozen_Protocol/responsibility-map.json	Frozen variables, allowed pair differences, no-answer-smuggling rule and forbidden proxies.
01_Frozen_Protocol/ V121_AUTHORITY_SCOPE_SUFFICIENCY_FREEZE.md	Human-readable V121 freeze record.
02_Test_Artifacts/case-a-specialty-input.json	Frozen Case A Pack input.
02_Test_Artifacts/case-b-specialty-input.json	Frozen Case B Pack input.
02_Test_Artifacts/case-a-specialty-output.json	Pack output for consequence-specific scope sufficiency.
02_Test_Artifacts/case-b-specialty-output.json	Pack output for intact chain with narrowed delegated scope.
02_Test_Artifacts/case-a-harmonic-packet.json	Exact Case A Harmonic replay packet.
02_Test_Artifacts/case-b-harmonic-packet.json	Exact Case B Harmonic replay packet.
02_Test_Artifacts/v121-pack-reference.cjs	Executable reference Specialty Pack used to derive A/B outputs.
02_Test_Artifacts/test-v121-authority-scope-sufficiency-fixtures.cjs	Fixture integrity and falsifier test.
03_Runtime_Evidence/ Case_A_Current_Production_Exact_Replay.txt	Full Case A current-production exact replay record.
03_Runtime_Evidence/ Case_B_Current_Production_Exact_Replay.txt	Full Case B current-production exact replay record.

04_Harness_Package/harmonic-test-harness-main-v121-red-team-005.zip	Complete V121 harness repository.
04_Harness_Package/harmonic-test-harness-v121-red-team-005-full-files-delta.zip	V121 full-files delta package.
05_Integrity/SHA256SUMS.txt	SHA-256 inventory for package contents.

10. Key integrity hashes

Artifact	SHA-256
Case A live replay record	87c246053b811603cb97c20bc61b749a0474aec39c5a3a2008806b55cfb76e42
Case B live replay record	ac9202fd6416a5b59397f920e872a07a0ed832d570649d517dcd77c7cb918fa9
Complete V121 harness ZIP	9fbc9bf088b0dc815053d20af250322f60f4757f3575638157773e9b12a52668
V121 full-files delta ZIP	8389e06e246d452f35b009a703eb07ea42efffb99a89b5eebf1d2921777e2317
freeze.json	45fb3cbfebd238e3c1b6ddcb4b6e4909c4875d42a22dd475f4c624919ac90dcb
Case A Pack input	cc3da75c725b654aa127c8443d1f2ec67954449a8f36dbfef54a0fd21df490ca
Case B Pack input	1e44550c98d578ee50e62014a6f2fdb86d681208544c3997a2acf12e0718d206
Case A Pack output	8bd77f930613b2891f2cad45bf535ec8b982b2a572e2108b1ff9b660c7861f44
Case B Pack output	7dcd6ff99fb43a7285d8e028fd08acfb91f9e32388cc84b4ab4af9820f2a1d95
Case A Harmonic packet	79b512b3715b6b1d872dba2ec578b56ed5eda5224dcf4df971cf01620880aa11
Case B Harmonic packet	4bd5f90f494c4560ab5ea5e8a704ec2a5a0e00e0fa6f9504cc7443cc26632d21

11. Reproduction

From the included V121 harness repository:

```
npm run test:v121-authority-scope-sufficiency
```

Then load the frozen Case A and Case B packets unchanged through Research examinations → V121 using exact packet replay. No model or semantic translation is part of the replay path.

Build note: the V121 fixture test passed. A full TypeScript repository check was not established in the build container because the supplied archive did not include node_modules; the resulting missing-framework/type-dependency errors are not reported as a V121 code failure.

12. Adjudication requested

Please adjudicate only the frozen proposition and preserved evidence. Requested disposition: PASS — BOUNDED, FAIL, or UNRESOLVED under the prospective RED TEAM 005 definitions. If you find a break, preserve the break. No repair is requested before adjudication and no broader claim is requested.