

Supplement S6 - Interop Evidence (One Page)

Kingdom Conformance RFC v1.3.6 - REALVALUES++ (public-safe) | CC BY 4.0 (text) | Patent rights are not licensed | Contact: MeridianVerity@proton.me

A. Purpose (publish interoperability evidence; public-safe)

Attach this page with the RFC PDF and the Supplement S2 vector suite ZIP to show that two independent verifiers reproduce the same PASS/FAIL/HOLD decisions (and reason codes) on the published public-safe vectors, including negative cases (HOLD), freshness-boundary cases, and explicit FAIL cases (policy mismatch and coverage gaps).

B. Test scope + bindings (filled)

| Field | Value |
|-------------------------------|---|
| RFC reference | Kingdom Conformance RFC v1.3.6 (Public Draft) |
| Vector suite (S2) ZIP | Supplement_S2_Reference_Verifier_Test_Vectors_Kingdom_Conformance_v1.3.6_REALVALUES_PLUSPLUS.zip (sha256: e4c02f273304b68dc8e6ef0bb5f57860a948e97a69e309d7cf7a9241da22dd03) |
| Independent verifier (S8) ZIP | Supplement_S8_Independent_Verifier_Kingdom_Conformance_v1.3.6_REALVALUES_PLUSPLUS.zip (sha256: e1384db33ef81a431464b7efe163d5c35bef6da0c509f02a1b9a79e6a61da82a) |
| Deterministic replay time | Use conformance_statement.audit_window.end_utc as replay reference time (vector convention). |

C. Vector outcomes (expected vs observed)

| Vector ID | Expected (decision/reasons) | Obs (A) ref verifier | Obs (B) independent |
|--|---------------------------------|---------------------------------|---------------------------------|
| L1_eval_pass | PASS | PASS | PASS |
| L1_eval_hold_missing_evidence | HOLD EVIDENCE_MISSING | HOLD EVIDENCE_MISSING | HOLD EVIDENCE_MISSING |
| L1_eval_fail_policy_mismatch | FAIL POLICY_MISMATCH | FAIL POLICY_MISMATCH | FAIL POLICY_MISMATCH |
| L1_eval_freshness_boundary_pass | PASS | PASS | PASS |
| L1_eval_freshness_boundary_hold_stale | HOLD EVIDENCE_STALE | HOLD EVIDENCE_STALE | HOLD EVIDENCE_STALE |
| L1_eval_hold_registry_snapshot_mismatch | HOLD REGISTRY_SNAPSHOT_MISMATCH | HOLD REGISTRY_SNAPSHOT_MISMATCH | HOLD REGISTRY_SNAPSHOT_MISMATCH |
| L2_enforce_pass | PASS | PASS | PASS |
| L2_enforce_hold_missing_permit | HOLD EVIDENCE_MISSING | HOLD EVIDENCE_MISSING | HOLD EVIDENCE_MISSING |
| L2_enforce_fail_permit_scope_mismatch | FAIL SCOPE_MISMATCH | FAIL SCOPE_MISMATCH | FAIL SCOPE_MISMATCH |
| L2_enforce_fail_control_point_coverage_gap | FAIL COVERAGE_GAP | FAIL COVERAGE_GAP | FAIL COVERAGE_GAP |

D. Evidence handles (logs + checksums)

Reference verifier run log: **Interop_Run_Log_Reference_Verifier_v1.3.6_REALVALUES_PLUSPLUS.txt** (sha256: 9f35fdc65ec3862ee2f068d0cc9e40bb9f6806643880bbc9a77a9d06cebedc4b)

Independent verifier run log: **Interop_Run_Log_Independent_Verifier_v1.3.6_REALVALUES_PLUSPLUS.txt** (sha256: 95b00c9fa5fb4227778f22d0606e9058bfc18a3534779e21489d93138c170592)

Repro commands:

```
python -m kc_verifier.cli run-vectors test_vectors
```

```
python -m kc_independent_verifier.cli run-vectors kc_reference_verifier/test_vectors
```

Public-safe template: do not include confidential payloads, operational secrets, or proprietary implementation details. Use references/IDs/handles.