

Multi-Authority Cascade Resolution

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What It Specifies

Multi-authority resolution carries: participating authorities, shared analysis, coordinated action plan, joint restoration coordination. Each authority's contributions enter lineage; the cross-authority resolution carries credentials from all participating authorities.

Authority coordination is governance-credentialed. The coordination authority (or the cooperation framework), the participants, and the resulting actions all enter lineage; downstream audit verifies multi-authority decisions structurally.

Why It Matters Structurally

Single-authority cascade resolution produces architectural rigidity for cross-authority cascades. Real cross-authority cascades require coordinated resolution; the architecture must support the coordination.

Multi-authority resolution produces structural support. The architecture admits multi-authority coordination; coordination proceeds under credentialed framework; outcomes are auditable across authorities.

How It Composes With Mesh Operation

The architecture defines the multi-authority coordination protocol, the shared-analysis format, and the joint-action recording. Implementations apply the architecture; participating authorities coordinate within the framework.

Resolution composes with other features. Cross-jurisdictional multi-authority resolution, byzantine-robust resolution under disputed authority claims, and dispute mechanism for resolution disagreements all build on the resolution primitive.

What This Enables

Cross-authority defense cascades, cross-jurisdictional civilian cascades, and federated infrastructure cascades all gain structurally-supported resolution.

The architecture also supports authority-coordination evolution. As cross-authority cooperation matures, coordination protocols update through governance procedures.