

ITAR, EAR, and Wassenaar Export Controls

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Export Control Frame

ITAR, EAR, and Wassenaar establish complementary export control frameworks for defense articles, dual-use items, and emerging emerging-technology controls (AI, quantum, biotech).

Architecture Implications

Cross-jurisdiction operations face emerging emerging-technology export controls (AI export controls, semiconductor controls, emerging biotech controls) that require structural support.

Architectural Mapping

Governance-chain substrate supports cross-jurisdiction export-control compliance. Composite admissibility supports multi-authority export-control operations. Audit-grade lineage supports export-control audit.

Export Control Evolution

Emerging AI export controls (BIS rule on advanced computing), emerging emerging-technology controls, and emerging cross-jurisdiction harmonization push toward structurally-supported architecture.