

# NERC Critical Infrastructure Protection Standards

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## NERC CIP Frame

NERC CIP standards establish mandatory cybersecurity requirements across BES (Bulk Electric System) operators with substantial enforcement scope.

## Architecture Implications

NERC CIP compliance requires structural support for continuous monitoring, multi-utility coordination, and emerging cyber-physical incident response.

## Architectural Mapping

Cascade-propagation substrate supports cross-utility cascade coordination. Health-monitoring fleet substrate supports continuous monitoring. Governance-chain integrity supports cybersecurity operations.

## NERC CIP Evolution

NERC CIP-013 supply-chain enforcement, emerging cyber-physical convergence, and emerging cross-jurisdiction harmonization push toward structurally-supported

architecture.