

CONTROL AREA ALIGNMENT	ISO 27001 FOCUS (ISMS)	DIN EN 50600 FOCUS (DC INFRA)	HEARTLAND OPERATING MODEL
GOVERNANCE & RESPONSIBILITIES	ISMS organization, roles, committees, governance structure	Operational organization of the data center, technical responsibilities	Unified role and RACI matrix covering both ISMS and data center operations
RISK MANAGEMENT	Information security risks	Location, supply, infrastructure, and availability risks	Consolidated risk register combining ISO 27001 and DIN EN 50600 risks within one governance framework
PHYSICAL SECURITY & ACCESS CONTROL	Annex A – Physical and Environmental Security	Zoning model, perimeter protection, access control systems, security interlocks	Integrated physical security concept governed and documented within the ISMS structure
OPERATIONS & MAINTENANCE	Change management, incident management, operational security	Maintenance planning, inspections, technical infrastructure operation	Standardized processes integrating security and facility management.
MONITORING & LOGGING	Log management, security monitoring	Monitoring of power supply, cooling, alarms, and technical systems	Unified monitoring and reporting across operations and security
EMERGENCY & BUSINESS CONTINUITY	BCMS/DR, emergency plans, recovery objectives	Emergency operation of critical infrastructure (UPS, generators, emergency cooling)	Interlinked emergency manuals covering both IT and facility operations
SUPPLIERS & SERVICE PROVIDERS	Supplier management, SLAs, security requirements	Operators, service providers, maintenance contracts, OEMs	Unified vendor governance framework combining ISO 27001 and DIN EN 50600 requirements
DOCUMENTATION & EVIDENCE MANAGEMENT	Policies, procedures, records, audit evidence	Plans, schematics, maintenance records, inspection reports	Common documentation architecture (e.g., SharePoint, Confluence, or integrated GRC tools)
CONTINUOUS IMPROVEMENT (PDCA)	Internal audits, management reviews, KPIs	Regular review of design, operational resilience, and efficiency	Combined audit and review cycle covering both security and data center performance
ASSET MANAGEMENT	Critical information and system assets	Racks, busbars, cooling units, fire detection systems, power systems, etc.	Centralized asset register including both technical and security-relevant attributes

Key Takeaway:

A Heartland management system integrates ISO 27001 and DIN EN 50600 into a unified, audit-ready governance framework aligning information security and data center operations.