

Understanding the Oil and Natural Gas Industry: Regulatory Framework



REGULATORY REQUIREMENTS MATRIX

	MTSA	TWIC	CFATS	HM232	PHMSA	FTZ	Pipeline Security Guidelines	NIST Cyber-security Framework	State/Local Regulations (Distribution Side)	Information Protection
Security Plan	✓		✓	✓		✓	✓		Varies	Varies
Security Training	✓		✓	✓		✓	✓		Varies	Varies
Security Drills/ Exercises	✓		✓				✓		Varies	Varies
Threat/ Vulnerability Assessments	✓		✓				✓	✓	Varies	Varies
Fines/ Penalties for Noncompliance	✓		✓	✓	✓				Varies	Varies
Agency Inspections	✓		✓		✓	✓	✓		Varies	Varies
Annual Review of Plan	✓		✓			✓	✓	✓	Varies	Varies
Access Control	✓		✓	✓		✓	✓	✓	Varies	Varies
Background Checks	✓		✓	✓	✓	✓	✓	✓	Varies	Varies
Assignment of Key Security Responsibility Roles	✓		✓	✓		✓	✓	✓	Varies	Varies

REGULATORY REQUIREMENTS MATRIX (CONT.)

	MTSA	TWIC	CFATS	HM232	PHMSA	FTZ	Pipeline Security Guidelines	NIST Cyber-security Framework	State/Local Regulations (Distribution Side)	Information Protection
Identification/ Inspection/ Evaluation/ Maintenance of Security-Related Equipment	✓		✓			✓	✓	✓	Varies	Varies
Capability to Continuously Monitor Activity, Under Specified Parameters	✓		✓		✓	✓	✓	✓	Varies	Varies
Systems of Records and Record Protections	✓	✓	✓		✓	✓	✓	✓	Varies	Varies
Reporting of Security Incidents	✓		✓	✓		✓	✓	✓	Varies	Varies

For more information regarding each regulations, please see the below links:

MTSA: <https://homeport.uscg.mil/mycg/portal/ep/channelView.do?channelId=-24885&channel-Page=%252Fep%252Fchannel%252Fdefault.jsp&pageTypeld=13489>

TWIC: <https://www.tsa.gov/for-industry/twic>

PHMSA: <http://www.phmsa.dot.gov/regulations>

CFATS: <https://www.dhs.gov/chemical-facility-anti-terrorism-standards>

HM232: <http://www.phmsa.dot.gov/portal/site/PHMSA/menuitem.6f23687cf7b00b0f22e4c6962d9c8789/?vgnnextoid=964a4286c2179110VgnVCM1000009ed07898RCRD&vgnnextchannel=c7bd18af92339110VgnVCM1000009ed07898R-CRD>

FTZ: <https://www.cbp.gov/border-security/ports-entry/cargo-security/cargo-control/foreign-trade-zones/about>

NIST Cybersecurity Framework: <https://www.nist.gov/cyberframework>

Pipeline Security Guidelines: <https://www.tsa.gov/sites/default/files/tsapipelinesecurityguidelines-2011.pdf>

