

NERC CIP-015

Internal Network Security Monitoring

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CIP-015 Internal Network Security Monitoring (INSM)

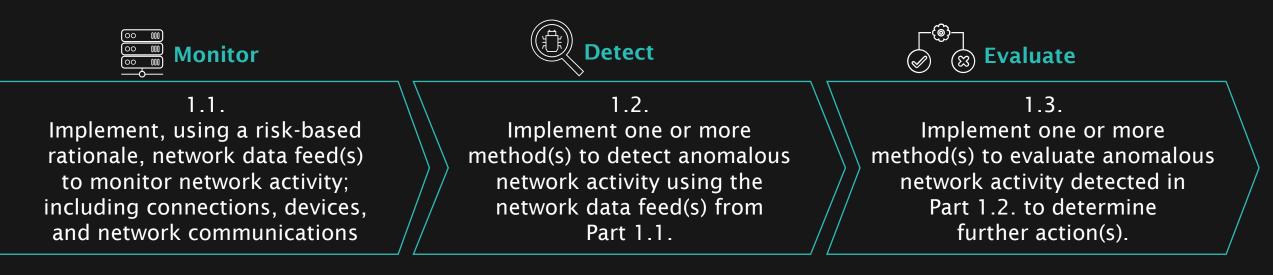
Objective: Monitor internal network traffic—specifically, East-West (lateral) movements within a trusted zone—to better detect adversaries who have circumvented traditional perimeter defenses to detect and respond faster.



INSM Requirements Summary



Each Responsible Entity shall implement one or more documented process(es) for internal network security monitoring of networks protected by the Responsible Entity's ESPs of high impact BES Cyber Systems and medium impact BES Cyber Systems with External Routable Connectivity to provide methods for detecting and evaluating anomalous network activity.





INSM Requirements Summary

2nd Requirement

Each Responsible Entity shall implement, except during CIP Exceptional Circumstances, one or more documented process(es) to retain internal

network security monitoring data associated with network activity determined to be anomalous by the Responsible Entity at a minimum until the action is complete in support of Requirement R1, Part 1.3. 3rd Requirement

Each Responsible Entity shall implement, except during CIP Exceptional Circumstances, one or more documented process(es) to

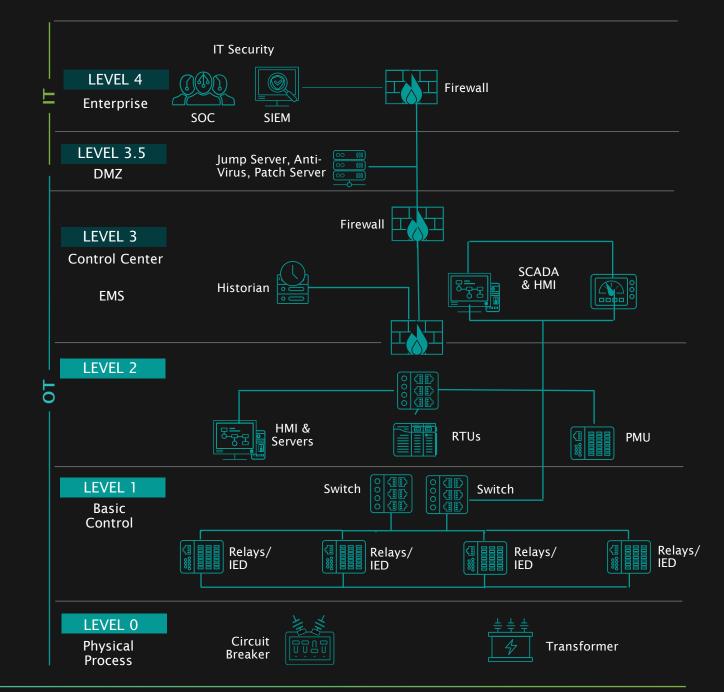
protect internal network security monitoring data collected in support of Requirement R1 and data retained in support of Requirement R2 to mitigate the risks of unauthorized deletion or modification.



Why INSM is Critical



Utilizing techniques that circumvent traditional network perimeter-based security controls aimed at detecting the initial stages of an attack.

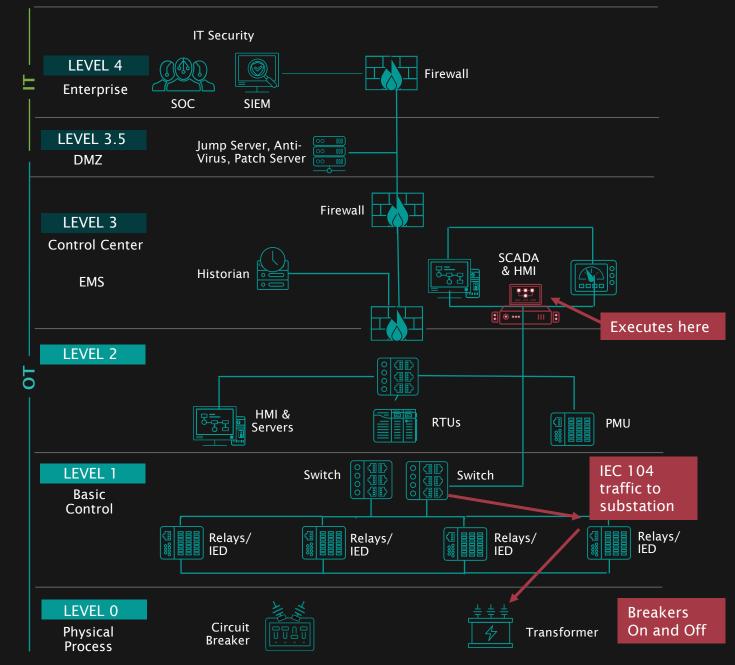




Why INSM is Critical

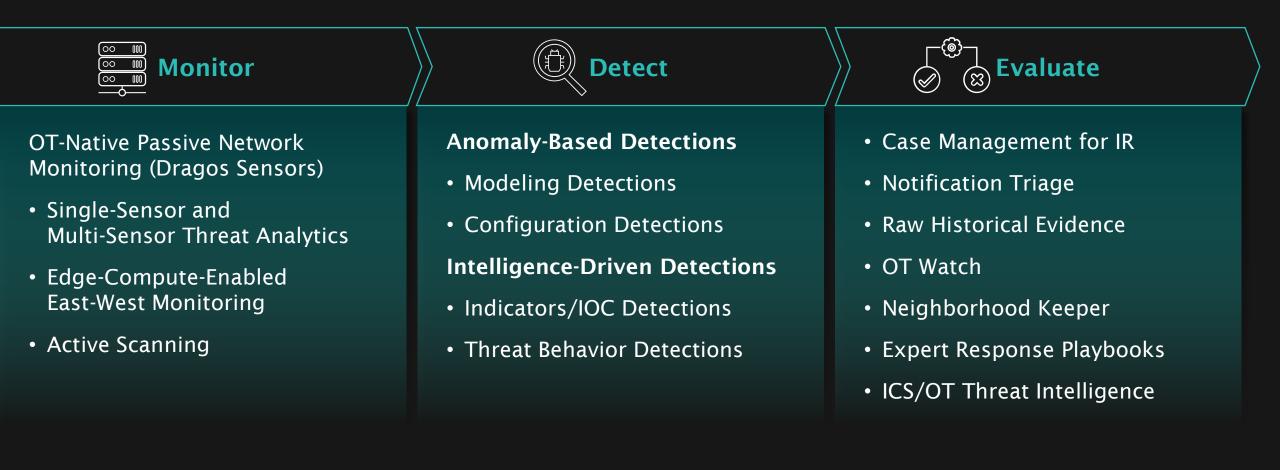


Utilizing techniques that circumvent traditional network perimeter-based security controls aimed at detecting the initial stages of an attack.





Dragos Platform Satisfies INSM Requirements







Early Adopter Incentives

Early starters benefit from quicker financial returns

FERC issued Order No. 893 in 2023:

- Provides deferred cost recovery incentives to help utilities invest in advanced cybersecurity technology
- Includes commission-approved cybersecurityrelated CIP Reliability Standards before they become mandatory and enforceable
- Incentive available until the utility's next rate case
- After the incentive period, cybersecurity investments can be included in the rate base for cost recovery through future rate cases
- Early starters benefit from quicker financial returns



INSM Implementation Timeline





Dragos Services

Dragos Enables Organizations to Prepare and Execute Plans for NERC CIP Requirements

- Sensor Placement Studies
- Network Vulnerability Assessments
- **Tabletop Exercises**
- Incident Response
 - Plan Development Workshops
 - Rapid Response Retainers
- OT Threat Hunting with OT Watch



Protect Electric Sector While Meeting Compliance





Trusted

in the electric industry with influence into requirements and implementation of CIP-015

Collect and Monitor

native network visibility and monitoring solution built for OT protocols down in E/W traffic



Detect

comprehensive threat detection injected with Dragos OT CTI outside of just anomaly detections or AI use



Analysis & Response

manage and triage with response playbooks to aid forensics and investigations + OT Watch Threat Hunting



