



MANILA ELECTRIC COMPANY (MERALCO)  
Ortigas Center, Brgy. Ugong, Pasig City

REQUEST FOR INFORMATION  
(SCM RFI NO. IP0225-0416-1)  
DATA DIODE

MERALCO’s Cyber Security Group is currently strengthening cybersecurity measures of critical infrastructure and seek detailed insights on data diode solutions. As part of this effort, we are issuing a Request for Information (RFI) to obtain comprehensive details on data diode technologies specifically designed for operational technology (OT) environments.

The deployment of data diodes represents an opportunity to establish robust cybersecurity measures across MERALCO’s infrastructure by integrating advanced data diode solutions which aims to:

- **Ensure Unidirectional Data Flow:** Safeguard critical systems by allowing data to flow securely from substations to central systems without permitting reverse communication.
- **Prevent External Threats:** Eliminate risks of cyberattacks targeting OT systems by maintaining physical isolation between networks.
- **Achieve Compliance with Global and Industry Standards:** Meet regulatory requirements such as NERC CIP and IEC 62443 while aligning with Meralco’s cybersecurity policies.

DETAILS
Data diodes will serve as a critical layer of protection, enabling secure, real-time data transmission, reducing attack surfaces, and ensuring uninterrupted operations within the OT network.
MERALCO expects the substation firewalls to meet the following high-level criteria:
<ul style="list-style-type: none"><li>• High Reliability: Ensure continuous data transmission without failure.</li><li>• Power Redundancy: Provide robust power backup to support operational continuity.</li><li>• Enhanced Security Features: Enforce physical unidirectional data flow with advanced threat resistance.</li><li>• Centralized Management and Scalability: Facilitate integration into existing network management systems and accommodate future growth.</li><li>• Regulatory Compliance: Align with global cybersecurity standards like NERC CIP and IEC 62443.</li><li>• Seamless Integration: Ensure compatibility with Meralco’s SCADA, ADMS, AML, and substation systems.</li><li>• Incident Response and Logging: Provide comprehensive logging for monitoring and forensics.</li><li>• Costing Information: Include detailed pricing for procurement, deployment, and maintenance.</li><li>• Solution Updating Practices: Outline methods for applying updates without disrupting operations.</li><li>• Global Implementation Experience: Demonstrate successful deployments in similar critical infrastructure environments.</li></ul>

CALENDAR OF ACTIVITIES:

ACTIVITY	DATE	TIME
Submission of Letter of Intent	February 18 – 25, 2025	Until 11:59 PM of February 25, 2025
Submission of Non-Disclosure Agreement	February 26 – March 04, 2025	Until 11:59 PM of March 04, 2025
Release of RFI documents to Vendors	March 07, 2025	Until 11:59 PM of March 07, 2025

Interested vendors are requested to submit the following:

- Certificate of Authorized Distributorship or Authorized Reseller Certificate (for Local Partners)
- Letter of intent to participate in the Request for Information

Supplemental Information:

- This RFI is non-binding and does not constitute a commitment to acquire vendor’s products or services.
- Vendors shall shoulder all costs associated in the preparation of their responses (e.g., preparation of budgetary quotation, conduct of Proof of Concept/ Product Demo, among others).
- Responses received are to be used solely for informational and benchmarking purposes only.
- Documents or information provided with the responses shall become property of MERALCO.
- No bid fees are to be imposed in relation to this RFI.
- Non-Disclosure Agreement (NDA) is required prior the release of RFI document, and confidential data to the vendors.

MERALCO reserves the right to:

1. Issue an addendum to the RFI at any time as a result of questions, change in submission schedule, or other matters; and
2. To cancel or reissue the RFI on a reasonable basis.

Submitted Letter of Intent (LOI) should be in portable document format (PDF) with the required supporting document, send via email to Christy Benig (group.platform.cyber@meralco.com.ph) not later than **11:59PM, February 25, 2025**. For inquiries or clarifications prior to the submission deadline, respondents may communicate directly to the assigned buyer.

(sgd.)  
**GLEN N. SAN PEDRO**  
Head, Supply Chain Management

MERALCO employs strict cybersecurity controls. Kindly refer to the following link for the Vendor Cybersecurity Advisory:  
<https://company.meralco.com.ph/news-and-advisories/supply-chain-management-invitations-bid>