GE VERNOVA

PRODUCT LETTER	PL2500-IND-25-001
	PL6000-IND-25-001
	PLMS100-IND-25-001
Original Instructions	April 30, 2025

INFORMATION

SUBJECT: OEM Controls for GEV Aeroderivative Units

APPLICABLE PRODUCTS: All GEV Aeroderivative Gas Turbine Units

BACKGROUND:

As the OEM for the control systems on Aeroderivative units, GE Vernova (GEV), in collaboration with Woodward Controls, brings unmatched expertise in upgrading these systems. Together, we are uniquely positioned to deliver control system upgrades that significantly enhance reliability and improve the operation of Aeroderivative units. GEV's current standard controls platform for all new Aeroderivative units is the Mark VIe. Through our long-standing partnership with Woodward Controls, several Aeroderivative units previously delivered to customers were equipped with Woodward controllers as the primary control system. This established Woodward as an OEM-approved controls platform for GEV Aeroderivative units.

The latest Mark VIe controls system includes value-added solutions that can be categorized into three key areas: enhanced reliability, improved operability, and strengthened cybersecurity.

Product and Life Cycle Management is aimed at keeping GEV Aeroderivative units aligned with the latest technological advances in both software and hardware, while ensuring that components can be updated without a full system overhaul. Forward and backward compatibility is part of managing component compatibility and the Mark VIe life cycle.

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All new GEV Aeroderivative power generation packages feature Mark VIe hardware and software, including a transition to native Mark VIe core controls aligned with GE Aerospace engineering standards.

Upgrading to the latest GEV standard and approved platforms ensures customers benefit from continuous updates, cyber security enhancements, and modernization campaigns, maximizing the value and performance of their assets.

GEV and Woodward have a long-standing relationship working together supplying Woodward controls for the GEV Aeroderivative fleet. MicroNet Plus is an approved OEM controls system for GEV Aeroderivative units. For many years, both companies have collaborated to upgrade the fleet with MicroNet Plus for customers who prefer to maintain a Woodward controls platform. Models such as Atlas, MicroNet Plus, and Flex 500 are examples of Woodward Controls integrated across the GEV Aeroderivative fleet. GEV will continue to partner with Woodward to upgrade and maintain the fleet as needed, ensuring customers receive the support they require.

Key factors to consider when working with third parties:

- A third-party controls solution will limit GEVs ability to support and can lead to extended response times with potentially longer downtimes.
- Opting for a partial migration to a third-party controls solution may lower initial capital expenditure, but it is likely to lead to higher operational costs over time.
- Third-party providers that specialize in controls often lack the comprehensive aeroderivative system expertise required to seamlessly integrate third-party systems into their control systems, necessitating intervention from GEV Aeroderivative engineering experts.
- Due to limited technical proficiency with GEV's aeroderivative gas turbine systems, third parties will likely require GEV support for commissioning or troubleshooting following major inspections, increasing the risk of extended and costly downtime.

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RECOMMENDATION :

GEV recommends that customers choose Mark VIe or OEM approved control systems, leveraging our deep expertise as the technology owner across engine, package, and controls, along with our continuous upgrade pathway, comprehensive lifecycle management, and integrated world-class cybersecurity.

If you are considering working with third parties for OEM controls on GEV Aeroderivative units and have additional questions, please contact your Customer Service Leader (CSL) for both technical and commercial support.

SUMMARY:

The Mark VIe is GEV's standard controls platform for its global fleet including all Aeroderivative models and MicroNet Plus is an approved OEM controls system for GEV Aeroderivative units. GEV possesses the unique ability to successfully upgrade OEM control systems that significantly enhance reliability and improve the operation of Aeroderivative units. In contrast, third parties lack the comprehensive Aeroderivative system expertise required for proper integration of their control systems, often leading to increased operational costs and extended downtimes.