



GE Multilin Expands Synchrophasors Capability to Transmission Line Protection Relays

Markham, Canada, Oct 3, 2006 - GE Multilin announces the introduction of synchrophasor option in their line distance (D60) and line current differential (L90) protection system. With this new option in the D60 and L90 users now have the choice to have integrated protection and Phasor Measurement Unit (PMU) or standalone PMUs (N60) according to their needs. Thousands of existing D60 and L90 users can easily upgrade their relays to PMU option with a simple upgrade package from GE Multilin.

Many utility power systems currently are stressed and operated close to their transmission capacities. Any undetected disturbances can trigger blackouts including possible damage to equipment. With built-in synchrophasors users have the advanced capabilities to monitor, protect and control the power system network from instabilities and possible blackouts.

GE Multilin's D60 and L90 employ the most accurate time-synchronized phasor measurement technique for managing the up time of the utility network. Synchrophasors in D60 and L90 exceeds the latest IEEE C37.118 standard for synchrophasor measurement devices, demonstrating to be the most accurate in the market. Synchrophasors, measured at different locations around the electric power grid, provide a "snapshot" of the instantaneous state of the power system. The synchrophasor measurements are updated every 16.67 ms (1/60 of a second) compared to a SCADA measurement of updates every 1-5 seconds. Every millisecond is critical in the power system during disturbances. The faster response time of synchrophasors along with the D60 and L90's advanced protection and control features help in controlling the dynamics of the electric power grid and mitigating network stability problems.

The combination of protection and synchrophasors in one device simplifies installation and application implementation. Also, uninterrupted synchrophasor measurements during faults and disturbances provides the ability to implement critical control functions and capture data, which can later be used for post disturbance analysis. The D60 and L90 also provide high-speed inter-IED communications which enables early detection and recovery during instabilities within the network. It also features integrated control functions, latching outputs (replacing mechanical switches), user programmable pushbuttons and LEDs which result in reduced wiring, fewer external devices, and lower commissioning costs.

Orders for the D60 and L90 relays with Synchrophasor capability can be placed starting on 3rd Oct 2006.



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About GE Multilin

GE Multilin (www.GEMultilin.com), a division of GE Consumer & Industrial, is a global leader in the design, manufacture, sales and service of protection, metering, control and automation systems, as well as instrumentation transformers, and telecommunications networks for utility, industrial and general industry applications.

For Further Information on the D60 and L90 Product Please Contact:

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