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## KEMA to perform an integrated protection study for the Dominican Republic High Voltage Grid

### Comisión Nacional de Energía selects KEMA to analyze entire grid system

BURLINGTON, Mass., (August 6, 2009) – [KEMA](#) and [Comisión Nacional de Energía](#) (CNE) of the Dominican Republic today announced the initiation of a [protection and coordination study](#) for the Dominican Republic's national electrical grid system. This study funded by the World Bank loan IBRD No. 7217-DO is aimed at providing technical assistance to the energy sector. Working in close cooperation with protection engineers of the Organismo Coordinador and Empresa de Transmisión Eléctrica Dominicana, the study will assess current protection settings and perform an integrated coordination study using CAPE, a software suite developed by Electrocon International Inc.

As global electric utilities work to coordinate financial decisions and system reliability, effective protection of the power system against major power failures will require the most innovative use of [automation and information technology related to transmission and distribution assets](#).

With the formal signing of the contract between CNE's, Licenciado Aristides Fernandez Zucco, Secretario de Estado and Presidente de la Comisión Nacional de Energía, and KEMA's Dr. Renato Cespedes, Director for Latin America, the parties agreed on a program to migrate the current electric model platform to Electrocon's CAPE, to perform a protection and coordination study using CAPE, and to set and conduct commissioning tests on relays in the field.

KEMA's experts will conduct a comprehensive analysis to implement the most appropriate technical and financial solutions for the island's new relays.

CNE selected KEMA based on the firm's highly regarded [transmission and distribution](#) expertise and objective knowledge, experience and analytical resources. The combination of KEMA's technical skills and the implementation of Electrocon's CAPE software makes this relationship unique and significant for the Dominican Republic,

A significant part of the activities includes migration and usage of Electrocon's CAPE software. CAPE's graphical network modeling and system simulation support automatic relay setting, detection of mis-coordinated settings, and event analysis. With more detailed and accurate models, CNE will be able to simulate real life conditions, perform wide-area reviews and predict protection system performance to ensure proper electric reliability for its customers.

#### About KEMA

Founded in 1927, KEMA ([www.kema.com](http://www.kema.com)) is a global provider of business and technical consulting, operational support, measurement and inspection, testing and certification for the energy and utility industry. With world headquarters in Arnhem, the Netherlands, KEMA employs more than 1,900 professionals globally and has offices in 20 countries. KEMA's US subsidiary, KEMA, Inc., is headquartered in Burlington, Massachusetts and serves energy clients throughout the Americas and Caribbean.

#### About Electrocon, Inc.

Based in Ann Arbor, Michigan, Electrocon ([www.electrocon.com](http://www.electrocon.com)) has been developing tools for computer-aided protection engineering since 1985, working with leading North American power utilities. With a master library of over 5,500 manufacturer-specific relay styles, and supported by a true database management system, it is common to see CAPE network models of 2,000 to 10,000 buses and protection system models of 5,000 to 50,000 relays.



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