



UCTE

Union for the Coordination of Transmission of Electricity

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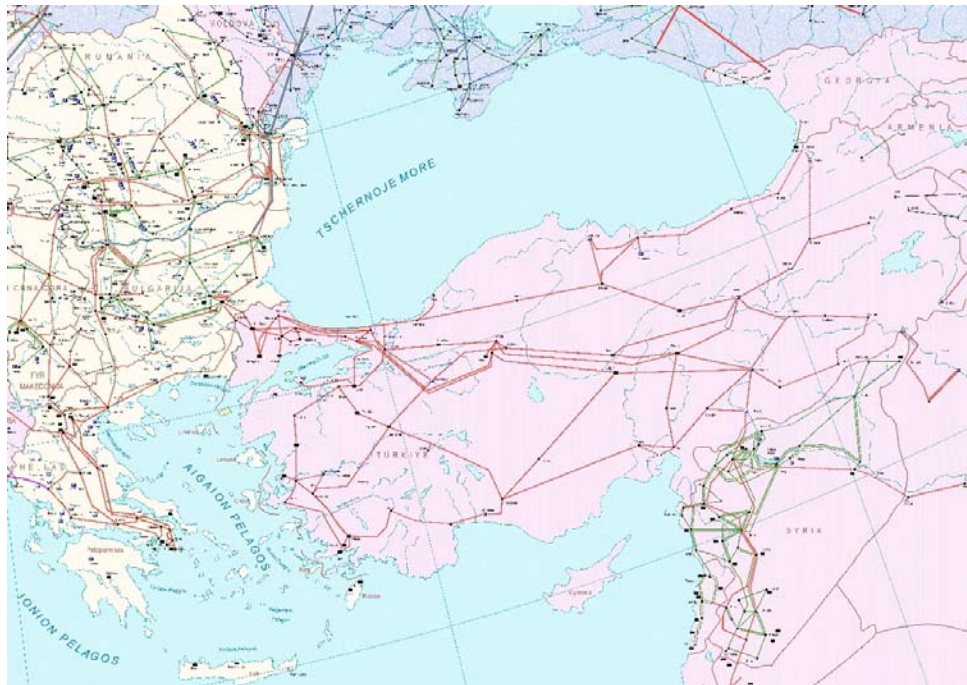
PRESS RELEASE – 10 October 2005

Contact: Marcel Bial
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Investigation on the electrical integration of Turkey into west-European synchronous interconnected electricity systems

A major study on the feasibility of a synchronous interconnection of Turkey with Europe was kicked-off on 28 September 2005 in Brussels with the active support of the European Commission.

This project will investigate under which technical conditions a future synchronous interconnection of the electricity transmission systems of UCTE and Turkey would be feasible. The physical interconnection of the European synchronous interconnected electrical system via the interconnection lines with Bulgaria and Greece would mean a further step in integrating the neighboring electricity markets with the Internal Electricity Market of the European Union.



The aim of the project is to investigate and identify, from the system security point of view, all technical challenges and solutions related to a future synchronous operation:

- determination of the conditions for system stability of the entire UCTE system in the event of contingencies
- determination of the power exchange capacity between Turkey and the UCTE system
- identification of any technical risks and the possible counter-measures to be proposed (if necessary)
- capability of UCTE to monitor the Turkish power system as required by the UCTE procedures.



PRESS RELEASE – 10 October 2005

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Preparation of electrical integration of Turkey has started

A major study on the possible electrical integration of Turkey into Europe was kicked-off on 28 September 2005 in Brussels after several years of preparation of the project. The study will be performed by UCTE as the body in charge of assessing any extension of the interconnected system. It is actively supported and financed by the European Commission. This project is of major political importance, especially when the political and economic integration of Turkey is under intensive political debate both within Europe and in Turkey.

Martin Fuchs, President of UCTE: “In the past 50 years, electrical “enlargements” always pioneered the political and economic integration of Europe, the electricity sector being as a rule a vanguard of integration in other spheres. In this regard UCTE acts as pathmaker to European unity.”

This study is fully in line with the EU policy enlarging the Internal Electricity Market beyond the perimeter of the European Union. In this respect, UCTE has played a major role providing the technical bases for many interconnections:

- the **Slovenian** grid is part of the UCTE synchronous system since 1987
- from 1995, the electrical systems of **Poland, Czech Republic, Slovak Republic and Hungary** are synchronously interconnected with UCTE
- north African countries **Morocco, Algeria and Tunisia** were interconnected with the main European electricity system via Gibraltar in 1995
- after meeting technical conditions, and successful completion of numerous tests, **Bulgarian and Romanian** operators of transmission systems became full members of UCTE in 2003.
- **western Ukraine** has been running permanent operation with the UCTE system since 2003,
- the **Balkan region** with many non-EU countries was reconnected to the main UCTE grid in 2004.

UCTE delegates the task to perform the study to an Association of UCTE members – RWE TSO (Germany) and HTSO (Greece) being the leaders of the investigations together with E.ON Netz (Germany), HEP (Croatia), NEK (Bulgaria) and RTE (France). TEIAS – the transmission system operator of Turkey – will play an active role in the study by providing certain data and specific knowledge of the Turkish power system. The results of the study are foreseen to be available at the beginning of 2007.

The Turkish power system is currently not set up for synchronous operations with other countries, but there are many interconnections such as to Azerbaijan, Armenia, Bulgaria, Georgia, Iran, Iraq and Syria. There are plans for additional 400 kV connections with Greece, Iran, Iraq, and Syria.

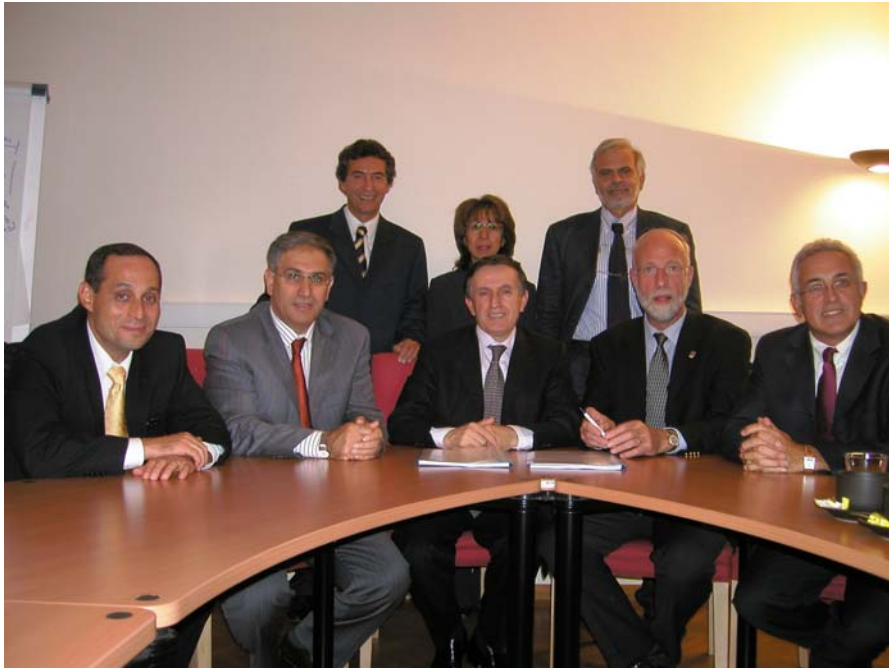
Turkey's rapid growth in electricity demand, which has led to almost a doubling of installed generating capacity over the past decade, is expected to continue for the foreseeable future. This could lead to building a total installed generating capacity of as much as 65,000 MW by 2010. In



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order to cover future peak demand of electricity an synchronous operation of the Turkish and UCTE system would be helpful from a system adequacy point of view and would bring electrical Turkey into a market of over 500 million electricity consumers.



On 28 September 2005 Nuri Ercan TORTOP, director of CFCU (Central Finance and Contracts Unit) and Gerard A. MAAS, Chairman of the UCTE Steering Committee together with Marcel BIAL, Secretary General signed a Service Contract concerning the synchronization of the Turkish Power System with UCTE. The agreement was endorsed by Hans-Jörg KRETCHMER from the financing European Commission and İlhami ÖZŞAHİN, Chairman of the Board and CEO of TEIAS. (Left to right: MM Tortop, Ali, de Montravel, Durukan, Özşahin, Koronides, Maas, Bial)