



# CURRENT STATE OF TRANSMISSION INVESTMENT PLANNING

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## COORDINATED PLANNING IN THE SOUTHEAST EUROPE

The main platform for coordinated planning is developed in UCTE through activities of **WG System Development** and its **SG Study Tool**

Projects of interconnection lines within the SE part of UCTE as well as projects of internal lines with a regional impact:

- Status on the investments which have been decided
- Status of investments under discussion
- Status of investments under study

## Status on the investments which have been decided Interconnection Lines

Project name	Participation	Length	Time schedule
400 kV Line Florina - Bitola	GR and MK	43 km	to be completed by the year 2007 (2006-2007)
400 kV Line Filipi - Babaeski	GR and TR	260 km	estimated end of completion December 2007 (2006-2007)
400 kV line Niš - Skoplje	SR and MK	150 km	to be completed by the year 2009
400 kV Line Chervena Mogila - Shtip	BG and MK	150 km	to be completed by the year 2007
<b>400 kV Line Ugljevik – Sremska Mitrovica</b>	<b>BA and SR</b>	<b>73 km</b>	<b>in operation since April 2006</b>
400 kV Line Podgorica - Tirana	MN and AL	156 km	to be completed by the year 2008
400 kV Line Nadab - Békéscsaba	RO and HU	132 km	to be completed by the year 2008
220 kV Line Mraclin - Prijedor/Jajce/	HR and BA	198 km	Under voltage up to Croatian border by the end 2005, to be completed by the year 2007

## Status on the investments which have been decided

### Internal Lines

Project name	Participation	Length	Time schedule
400 kV Line Subotica 3 – Sombor 3	Serbia	56 km	to be completed by the year 2006
400 kV Line Tirana - Elbasan	Albania	45 km	to be completed by the year 2008
220 kV Line Fier - Vlore	Albania	26 km	to be completed by the year 2007
400 kV Line Karlovo - Plovdiv	Bulgaria	60 km	to be completed by the year 2008
400 kV Line Arad - Nadab	Romania	35 km	to be completed by the year 2008
400 kV Lagada - Fillippi	Greece	110 km	to be completed by the year 2008

# Status on the investments which have been decided

## Substations

Project name	Participation	Time schedule
New 400/110 kV Sombor 3 Substation	Serbia	to be completed by the year 2007
New 400/110 kV Jagodina 4 Substation	Serbia	to be completed by the year 2007
New 400/110 kV Beograd 20 Substation	Serbia	to be completed by the year 2008
New 400/220/110 kV Tirana 2 Substation	Albania	to be completed by the year 2008
New 220/110 kV Vlora Substation	Albania	to be completed by the year 2007
400 kV Nadab connection Substation	Romania	to be completed by the year 2008
Expansion of 400/110 kV Skopje 5 Substation	Macedonia	to be completed by the year 2006

## Status on the investments under discussion

### Interconnection Lines

Project name	Participation	Length	Time schedule
400 kV Line Maritsa East – Nea Santa	BG and GR	130 km	ongoing negotiations change of the connection point on the Greek side (Fillipi) reduced the length of the line (243 km),
400 kV Line Cirkovce - Héviz	SLO and HU		comissioning > 2008 (Hungarian side is ready, depending on Slovenian side)
400 kV Line Žerjavinec - Cirkovce	HR and SLO		comissioning > 2008
400 kV Line Prishtina - Tirana	KO and AL	238 km	ongoing negotiations
400 kV Line Sombor - Pécs	SR and HU	70 km	ongoing negotiations
400 kV Line Suceava - Balti	RO and MD	150 km	ongoing negotiations
400 kV Line Pécs - Ernestinovo	HU and HR	85 km	comissioning > 2010 (2008)

### Internal Lines

Project name	Participation	Time schedule
400 kV Line Zagvozd - Plat	Croatia	ongoing negotiations



## Status on the investments under study

### Interconnection Lines

Project name	Participation	Length	Time schedule
400 kV interconnections from Macedonia to Albania and to Italy	SEETEC / EBRD (BG,MK,AL,IT)		Feasibility study ongoing
New 400 kV Line between Serbia – Romania			Preliminary studies underway
Submarine 400 kV cable between Romania and Turkey			Preliminary studies ongoing
Submarine 400 kV cable between Croatia and Italy	HR and IT		Preliminary studies underway
400 kV Line Zrenjanin - Timisoara	SR and RO		Preliminary studies under preparation
New 400 kV interconnection between Croatia and Bosnia-Herzegovina	HR and BA		Preliminary studies under preparation

### Internal Lines

Project name	Participation	Time schedule
400 kV Line Zagvozd - Plat	Croatia	Preliminary studies underway



**THANK YOU FOR YOUR ATTENTION**

