



# Alternative Networks in the Mediterranean

## Synoptic Tables

**November 2000**

<http://www.ispo.cec.be/esis>

## Algeria

<b>Company/Entity</b>		<b>Société nationale des transports ferroviaires SNTF</b>	Société nationale d'exploitation, de production et de traitement des hydrocarbures SONATRACH
<b>Sector</b>		Railway transportation	Oil company
<b>Name of the telecom venture</b>		Alternative network	n.a.
<b>Date of creation</b>		1999	n.a.
<b>Legal status</b>		Public company	Public company
<b>% owned by the different partners</b>		100 % owned by SNTF	n.a.
<b>Turnover (year of reference)</b>		n.a.	n.a.
<b>Major other companies involved</b>	<i>Name and telecom venture</i>	n.a.	n.a.
	<i>% owned</i>	n.a.	n.a.
	<i>Activity</i>	n.a.	n.a.
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	475 km of cables have already been layed westward (Algiers-Oran) and 110 km eastward (Algiers-Buira) to be extended	n.a.
	<i>Media characteristics</i>	optic fibre	n.a.
	<i>Bandwidth</i>	Optic fibre (2 Mb for the telephony and 34 Mb for data transfer)	n.a.
<b>Services provided</b>	<i>Fixed voice services</i>	expected	n.a.
	<i>Mobile services</i>	n.a.	n.a.
	<i>Data services</i>	expected	n.a.
	<i>Image services</i>	expected	n.a.
	<i>Management services</i>	consultancy, network management, company's telephony needs	n.a.
	<i>Value-added services</i>		n.a.
<b>Contents provided</b>			n.a.
<b>Customer targets</b>	<i>Large Companies and institutions</i>	Internal to the company	n.a.
	<i>Soho (small office/home office)</i>		n.a.
	<i>Operators</i>		n.a.
	<i>General public</i>		n.a.
<b>Comments (projects, ...)</b>		<i>The network of optic cables which is under construction will be used for internal communication of the company and for data acquisition purposes (SNTF covers more than 4200 km of railways)</i>	<i>Big potential for alternative networks. Sonatrach has a big potential for alternative networks with its important transport network composed of 11 gas pipelines and 14 oil pipelines reaching a total length of nearly 13 000 Km.</i>

## Algeria

Company/Entity		Société nationale de distribution de l'Electricité et du Gaz SONELGAZ	Agence Nationale des Autoroutes ANA
<b>Sector</b>		Electricity and gas distribution	Road and highways Administration
<b>Name of the telecom venture</b>		n.a.	n.a.
<b>Date of creation</b>		n.a.	n.a.
<b>Legal status</b>		Public company	Public company
<b>% owned by the different partners</b>		n.a.	n.a.
<b>Turnover (year of reference)</b>		n.a.	n.a.
<b>Major other companies involved</b>	<i>Name and telecom venture</i>	n.a.	n.a.
	<i>% owned</i>	n.a.	n.a.
	<i>Activity</i>	n.a.	n.a.
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	n.a.	n.a.
	<i>Media characteristics</i>	n.a.	n.a.
	<i>Bandwidth</i>	n.a.	n.a.
<b>Services provided</b>	<i>Fixed voice services</i>	n.a.	n.a.
	<i>Mobile services</i>	n.a.	n.a.
	<i>Data services</i>	n.a.	n.a.
	<i>Image services</i>	n.a.	n.a.
	<i>Management services</i>	n.a.	n.a.
	<i>Value-added services</i>	n.a.	n.a.
<b>Contents provided</b>		n.a.	n.a.
<b>Customer targets</b>	<i>Large Companies and institutions</i>	n.a.	n.a.
	<i>Soho (small office/home office)</i>	n.a.	n.a.
	<i>Operators</i>	n.a.	n.a.
	<i>General public</i>	n.a.	n.a.
<b>Comments (projects, ...)</b>		<i>Big potential for alternative networks thanks to the electric network of 185.871 km and gas network of 4160 km for gas transportation channels and 13.500 km for gas distribution</i>	<i>Big potential for alternative networks with a road and highway network expanding nationwide up to 102.508 km</i>

## Algeria

Company/Entity		Entreprise Nationale de Télédiffusion ENTD	Telediffusion d'Algérie TDA
<b>Sector</b>		Communication - Telediffusion	Communication - Telediffusion
<b>Name of the telecom venture</b>		Alternative network	Alternative Network
<b>Date of creation</b>		1986	1991
<b>Legal status</b>		Public company	Public company
<b>% owned by the different partners</b>		100% owned by ENTD.	100% owned by TDA
<b>Turnover (year of reference)</b>		n.a.	n.a.
<b>Major other companies involved</b>	<i>Name and telecom venture</i>	n.a.	n.a.
	<i>% owned</i>	n.a.	n.a.
	<i>Activity</i>	n.a.	n.a.
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	national	national
	<i>Media characteristics</i>	National network of 25 radio stations related by cables and microwave links.	Network of relay stations for electronic data transmission (sound, image, text)
	<i>Bandwidth</i>	The broadcasting frequencies are between 153 KHz and 1422 MHz	n.a.
<b>Services provided</b>	<i>Fixed voice services</i>	yes.	yes
	<i>Mobile services</i>	n.a.	yes
	<i>Data services</i>	expected	yes
	<i>Image services</i>	n.a.	yes
	<i>Management services</i>	n.a.	meteorology needs, airports data needs
	<i>Value-added services</i>	n.a.	Info-diffusion for special customers with value added services
<b>Contents provided</b>		n.a.	specialised data (meteorological, sound, image, text files)
<b>Customer targets</b>	<i>Large Companies and institutions</i>	yes	yes
	<i>Soho (small office/home office)</i>	yes.	yes
	<i>Operators</i>	n.a.	yes
	<i>General public</i>	yes.	yes
<b>Comments (projects, ...)</b>		<i>Big potential for alternative networks</i>	<i>Big potential for alternative networks with its potential of 144 Mbits hertzian beam</i>

## Algeria

Company/Entity		Ministère de la Santé (Health Ministry)	Air Algérie company	Ministry of Justice
<b>Sector</b>		Healthcare	Air Transportation	law
<b>Name of the telecom venture</b>		Alternative network	Alternative Network.	Alternative Network
<b>Date of creation</b>		n.a.	n.a.	1962
<b>Legal status</b>		Public administration	Public company	National authority
<b>% owned by the different partners</b>		100% owned by the Ministry	100% owned by Air Algérie	100% owned by the Ministry of Justice
<b>Turnover (year of reference)</b>		n.a.	n.a.	n.a.
<b>Major other companies involved</b>	<i>Name and telecom venture</i>	n.a.	n.a.	n.a.
	<i>% owned</i>	n.a.	n.a.	n.a.
	<i>Activity</i>	n.a.	n.a.	n.a.
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	n.a.	national	national
	<i>Media characteristics</i>	Network of internal telephony	National data transmission network	National telecommunications network
	<i>Bandwidth</i>	n.a.	n.a.	n.a.
<b>Services provided</b>	<i>Fixed voice services</i>	yes	n.a.	yes
	<i>Mobile services</i>	n.a.	n.a.	n.a.
	<i>Data services</i>	n.a.	yes	no
	<i>Image services</i>	n.a.	n.a.	no
	<i>Management services</i>	n.a.	n.a.	no
	<i>Value-added services</i>	n.a.	n.a.	no
<b>Contents provided</b>		n.a.	flight plannings, reservation data etc..	Telephony
<b>Customer targets</b>	<i>Large Companies and institutions</i>	yes	yes	network linking the courts and Justice administrations of the same province
	<i>Soho (small office/home office)</i>	n.a.	yes	no
	<i>Operators</i>	n.a.	n.a.	no
	<i>General public</i>	n.a.	n.a.	no
<b>Comments (projects, ...)</b>		<i>Potential for alternative networks with the existing telecommunications infrastructure linking the Health sector</i>	<i>Potential for alternative networks with its specialised network spreading nation-wide</i>	<i>Potential for alternative networks with its specialised network spreading nation-wide</i>

## Cyprus

<b>Company/Entity</b>		<b>Electricity Authority of Cyprus</b>
<b>Sector</b>		Code 5 (Energy)
<b>Name of the telecom venture</b> <b>Date of creation</b> <b>Legal status</b> <b>% owned by the different partners</b> <b>Turnover (year of reference)</b>		Alternative network avr-95 Solely owned by the Authority none None (it is used for internal communications of the Authority and for data acquisition purposes. It has not yet been used for commercial purposes.
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	None
	<i>Activity</i>	None
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and further developments forecasted</i>	National (the system links the two power stations of the Island and the Authority's administration offices operating in the cities.)
	<i>Media characteristics</i>	Optical fiber technology, power line carrier, underground network
	<i>Bandwidth</i>	64K within cities, 2M between cities
<b>Services provided</b>	<i>Fixed voice services</i>	Yes
	<i>Mobile services</i>	
	<i>Data services</i>	Yes
	<i>Image services</i>	
	<i>Management services</i>	
<b>Contents provided</b>		
<b>Customer targets</b>	<i>Large Companies and institutions</i>	To be determined. It is anticipated that large organizations (e.g. banks) would be targeted.
	<i>Soho (small office/home office)</i>	
	<i>Operators</i>	
	<i>General public</i>	
<b>Comments (projects, ...)</b>		3 phase project ; first phase completed in 1999 with the full integration of fiber-optic technology into existing high-voltage transmission lines. Aims for a safe, fast means of internal communications and future development of commercial applications

# Israel

<b>Company/Entity</b>		<b>Israel Electric Company</b>
<b>Sector</b>		Infrastructure - Electricity
<b>Name of the telecom venture</b>		None
<b>Date of creation</b>		NR
<b>Legal status</b>		NR
<b>% owned by the different partners</b>		NR
<b>Turnover (year of reference)</b>		NR
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	NR
	<i>Activity</i>	NR
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	All the national territory
	<i>Media characteristics</i>	Optic Cables
	<i>Bandwidth</i>	
<b>Services provided</b>	<i>Fixed voice services</i>	NR
	<i>Mobile services</i>	NR
	<i>Data services</i>	Internal to the company
	<i>Image services</i>	NR
	<i>Management services</i>	NR
	<i>Value-added services</i>	NR
<b>Contents provided</b>		NR
<b>Customer targets</b>	<i>Large Companies and institutions</i>	NR
	<i>Soho (small office/home office)</i>	NR
	<i>Operators</i>	Yes
	<i>General public</i>	NR
<b>Comments (projects, ...)</b>		<i>The existing IEC network of optic cables eventually may serve for services to be provided to the general public following the present liberalisation. It will need significant investments to become an operating network. Following the concession of a license to the Israel Railways the IEC is considering the establishment of a subsidiary to operate the network.</i>

## Israel

<b>Company/Entity</b>		<b>Israel Railways</b>
<b>Sector</b>		Transport
<b>Name of the telecom venture</b>		None
<b>Date of creation</b>		NR
<b>Legal status</b>		NR
<b>% owned by the different partners</b>		NR
<b>Turnover (year of reference)</b>		NR
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	NR
	<i>Activity</i>	NR
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	Central Part of the Country from Haifa to Rehovot
	<i>Media characteristics</i>	Optic Cables
	<i>Bandwidth</i>	NR
<b>Services provided</b>	<i>Fixed voice services</i>	NR
	<i>Mobile services</i>	NR
	<i>Data services</i>	Established for internal signaling purposes. They received a license to provide external infrastructural services but not actually operate the network. This will be done by the companies renting the network which should set up the exchanges and routing facilities (October 2000)
	<i>Image services</i>	
	<i>Management services</i>	Established for internal signaling purposes; the license received in October 2000 doesn't permit the provision of external management services.
	<i>Value-added services</i>	NR
<b>Contents provided</b>		NR
<b>Customer targets</b>	<i>Large Companies and institutions</i>	Only datacommunications operators may become customers of the Israel Railways fiber optic network that will serve as an additional data transmission backbone.
	<i>Soho (small office/home office)</i>	NR
	<i>Operators</i>	Yes
	<i>General public</i>	NR
<b>Comments (projects, ...)</b>		<i>The Israel Railways receive a general license for the provision of telecommunication services using its optic cables network from the Ministry of Communications. This license was restricted by the Attorney General to the provision of raw routing in the fiber optic network. The routing and exchanges should be set up and maintained by the corporations renting the network (October 2000)</i>

# Israel

Company/Entity		Cross Israel Road through the Derekh Eretz Concessionaire
Sector		Transport
Name of the telecom venture		NR
Date of creation		NR
Legal status		NR
% owned by the different partners		Africa Israel (25%); CHC of Canada (25%); Hughes - EUA (20%); Societe Generale d'Enterprise - France (20%)
Turnover (year of reference)		NA
Major other companies involved	Name and telecom venture % owned	NR
	Activity	NR
Infrastructure provided	Current Geographical Coverage and foreseen developments	Central Part of the Country
	Media characteristics	Optic Cables
	Bandwidth	NA
Services provided	Fixed voice services	NR
	Mobile services	NR
	Data services	Presently planned for the internal purposes of the planned road
	Image services	NR
	Management services	Presently planned for the internal purposes of the planned road
	Value-added services	NR
Contents provided		NR
Customer targets	Large Companies and institutions	NR
	Soho (small office/home office)	NR
	Operators	NR
	General public	NR
Comments (projects, ...)		The Cross Israel Road is one of the main transport projects in Irael presently at advanced stages of detailed planning. The inclusion of an optic cable network presently is for the management of the road (the first toll road in Israel)

# Israel

<b>Company/Entity</b>		<b>Aruzei Zahav</b>
<b>Sector</b>		Cable Television
<b>Name of the telecom venture</b> <b>Date of creation</b> <b>Legal status</b> <b>% owned by the different partners</b> <b>Turnover (year of reference)</b>		Aureq (12%); Fishman/Bar-on and Yedioth Aharonot (66%); Tevel (22%)
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	
	<i>Activity</i>	
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	Several Regions in all the Country
	<i>Media characteristics</i>	Cable Television
	<i>Bandwidth</i>	
<b>Services provided</b>	<i>Fixed voice services</i>	Planned when a license is provided
	<i>Mobile services</i>	NR
	<i>Data services</i>	Planned when a license is provided
	<i>Image services</i>	The main service now provided
	<i>Management services</i>	
	<i>Value-added services</i>	Planned
<b>Contents provided</b>		Television channels from abroad and from original productions in the country
<b>Customer targets</b>	<i>Large Companies and institutions</i>	Yes when the telecom license is awarded
	<i>Soho (small office/home office)</i>	Yes when the telecom license is awarded
	<i>Operators</i>	Yes when the telecom license is awarded
	<i>General public</i>	Yes
<b>Comments (projects, ...)</b>		<i>In October 2000 they are expected to receive soon a temporary license for the provision of telecom services that will include broadband Internet and voice over IP telephony</i>

# Israel

<b>Company/Entity</b>		<b>DBS</b>
<b>Sector</b>		Television
<b>Name of the telecom venture</b>		DBS
<b>Date of creation</b>		NA
<b>Legal status</b>		NA
<b>% owned by the different partners</b>		Eurocom (40%); Bezeq (30%); Gilat (10%); Lidan (5%); Cardin(5%); Poalim Investments (10%)
<b>Turnover (year of reference)</b>		NA
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	NR
	<i>Activity</i>	NR
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	The Whole Country
	<i>Media characteristics</i>	Direct Broadcasting Satellite
	<i>Bandwidth</i>	
<b>Services provided</b>	<i>Fixed voice services</i>	
	<i>Mobile services</i>	
	<i>Data services</i>	
	<i>Image services</i>	Provision of Direct Broadcasting Satellite Television Services
	<i>Management services</i>	
	<i>Value-added services</i>	Provision of content for the DBS broadcast
<b>Contents provided</b>		Television channels from abroad and from original productions in the country
<b>Customer targets</b>	<i>Large Companies and institutions</i>	NA
	<i>Soho (small office/home office)</i>	NA
	<i>Operators</i>	NA
	<i>General public</i>	Yes
<b>Comments (projects, ...)</b>		<i>Following many delays due to the dispute with Cable Television providers and the intervention of the Ministry of Communications, the Council for Cable and Satellite broadcasting and the Anti Trust Commissioner an arrangement was reached so the company is able to built a customer base able to viabilize it. In July 2000 the DBS started broadcasts while enjoying a 9 month exclusivity in the provision o tiering packages.</i>

## Israel

Company/Entity		MATAB	TEVEL
Sector		Cable Television	Cable Television
Name of the telecom venture			
Date of creation			
Legal status			
% owned by the different partners		Denkner (43%); Maariv (16%); Hanania Gibstein (7%); Shimeon and Ali Hefetz (6%); the public (28%)	IDB (48.5%); UPC (46.5%);
Turnover (year of reference)			
Major other companies involved	Name and telecom venture % owned		
	Activity		
Infrastructure provided	Current Geographical Coverage and foreseen developments	Several Regions in all the Country	Several Regions in all the Country
	Media characteristics	Cable Television	Cable Television
	Bandwidth		
Services provided	Fixed voice services		
	Mobile services		
	Data services	Planned	Planned
	Image services	The main service now provided	Main service provided
	Management services		
	Value-added services	Planned	Planned
Contents provided		Television channels from abroad and from original productions in the country	Television channels from abroad and from original productions in the country
Customer targets	Large Companies and institutions	Yes when the telecom license is awarded	Yes when the telecom license is awarded
	Soho (small office/home office)	Yes when the telecom license is awarded	Yes when the telecom license is awarded
	Operators	Yes when the telecom license is awarded	Yes when the telecom license is awarded
	General public	Yes	Yes
Comments (projects, ...)		In October 2000 they are expected to receive soon a temporary license for the provision of telecom services that will include broadband Internet and voice over IP telephony	In October 2000 they are expected to receive soon a temporary license for the provision of telecom services that will include broadband Internet and voice over IP telephony

## Israel

<b>Company/Entity</b>		<b>MED-1 Submarine Cables Ltd</b>
<b>Sector</b>		Submarine telecommunications infrastructures
<b>Name of the telecom venture</b>		MED-1 Submarine Cables Ltd
<b>Date of creation</b>		1996
<b>Legal status</b>		Limited Share Company
<b>% owned by the different partners</b>		Telecom Italia (23.17%); CYTA (9.22%); Clalcom (23.17%); GLOBSECOM (14.39%); Aurec (14.39%); KAMA private investors (15.66%). In February 2000 Telecom Italia is enlarging its share to 52%
<b>Turnover (year of reference)</b>		NA
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	NR
	<i>Activity</i>	NR
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and foreseen developments</i>	Since March 99 International Submarine Cable to Sicily (LEV-1) Being installed the IC-1 submarine system from Naharia in the north of the country to Gaza in the south (NPA)
	<i>Media characteristics</i>	IC-1 consists of 48 fibers configured in a double festoon arrangement between Haifa and Ashkelon providing two physically separated cable routes for system restoration
	<i>Bandwidth</i>	LEV International Cable has a maximum capacity of 20 Gb/s per fiber pair; it is composed of two fiber pairs
<b>Services provided</b>	<i>Fixed voice services</i>	Infrastructure
	<i>Mobile services</i>	
	<i>Data services</i>	Infrastructure
	<i>Image services</i>	
	<i>Management services</i>	Infrastructure
	<i>Value-added services</i>	
<b>Contents provided</b>		NR
<b>Customer targets</b>	<i>Large Companies and institutions</i>	Yes
	<i>Soho (small office/home office)</i>	Yes
	<i>Operators</i>	Yes
	<i>General public</i>	NR
<b>Comments (projects, ...)</b>		<i>The coastal cable IC-1 is now available in early 2000 and with the present opening of the telecommunications market to additional operator it will enjoy a significant enlargement of its customer base among the operators to be licensed.</i>

## Jordan

Company/Entity		National Electric Power Company (Nepco)	Water Authority of Jordan	National Petroleum Co. (NPC)	Hijazi Railway Line	Radio and TV Establishment
<b>Sector</b>		Electricity	Water	Oil sector	Railway	Cable TV
<b>Name of the telecom venture</b>		none	none	none	none	none
<b>Date of creation</b>		N/A	N/A	N/A	N/A	N/A
<b>Legal status</b>		Public Corporation	Public Corporation	Public Corporation	Public Corporation	Public Corporation
<b>% owned by the different partners</b>						
<b>Turnover (year of reference)</b>		N/A	N/A	N/A	N/A	N/A
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	-	-	-	-	-
	<i>Activity</i>					
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and further developments forecasted</i>	Nationwide	Nationwide	Nationwide	Nationwide	Nationwide
	<i>Media characteristics</i>	-	-	-	-	-
	<i>Bandwidth</i>	-	-	-	-	-
<b>Services provided</b>	<i>Fixed voice services</i>	-	-	-	-	-
	<i>Mobile services</i>	-	-	-	-	-
	<i>Data services</i>	-	-	-	-	-
	<i>Image services</i>	-	-	-	-	-
	<i>Management services</i>	-	-	-	-	-
	<i>Value-added services</i>	-	-	-	-	-
<b>Contents provided</b>		-	-	-	-	-
<b>Customer targets</b>	<i>Large Companies and institutions</i>	-	-	-	-	-
	<i>Soho (small office/home office)</i>	-	-	-	-	-
	<i>Operators</i>					
	<i>General public</i>					
<b>Comments (projects, ...)</b>		No plans	No plans	No plans	No plans	No plans

## Malta

Company/Entity		United Pan-European Communications	MITTS Ltd
Sector		Cable TV	Government IT
Name of the telecom venture		Melita Cable TV	MAGNET
Date of creation		1991	1990
Legal status		Private company	Private company
% owned by the different partners		*	100% Government owned
Turnover (year of reference)		*	*
Major other companies involved	Name and telecom venture	~ 50% Gasan Group of Companies	*
	% owned		
	Activity	various	Information Systems & Technology
Infrastructure provided	Current Geographical Coverage and further developments forecasted	80% national	Government departments most of which are situated in Valletta.
	Media characteristics	Hybrid fibre optic and coaxial cable connected to end user	Fibre back-bone supported by leased data lines Wide Area Network
	Bandwidth	*	155Mbps
Services provided	Fixed voice services	no	no
	Mobile services	no	no
	Data services	Y: expected	Y: To Government
	Image services	no	*
	Management services	no	Y: To Government
	Value-added services	no	*
Contents provided		Cable TV	Information systems, shared data and resources
Customer targets	Large Companies and institutions	Y	Ministries and Government Departments
	Soho (small office/home office)	Y	*
	Operators	no	*
	General public	Y	Y: Website
Comments (projects, ...)		<i>Intends to become a data services and Internet access /content provider. Its network is being upgraded to also handle interactive data services. About 85% of its network has been upgraded till September 2000</i>	<i>Link to a new network of Local Councils</i>

## Palestine Territories

<b>Company/Entity</b>		<b>The Palestinian Energy and Environment Research Center (PEC)</b>
<b>Sector</b>		<b>Energy</b>
Name of the telecom venture		none
Date of creation		N/A
Legal status		Public Corporation/ Monopoly
% owned by the different partners		N/A
Turnover (year of reference)		N/A
<b>Major other companies involved</b>	<i>Name and telecom venture</i>	N/A
	<i>% owned</i>	N/A
	<i>Activity</i>	N/A
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and further developments forecasted</i>	Palestine Authorities Areas
	<i>Media characteristics</i>	N/A
	<i>Bandwidth</i>	N/A
<b>Services provided</b>	<i>Fixed voice services</i>	N/A
	<i>Mobile services</i>	N/A
	<i>Data services</i>	N/A
	<i>Image services</i>	N/A
	<i>Management services</i>	N/A
	<i>Value-added services</i>	N/A
<b>Contents provided</b>		N/A
<b>Customer targets</b>	<i>Large Companies and institutions</i>	N/A
	<i>Soho (small office/home office)</i>	N/A
	<i>Operators</i>	N/A
	<i>General public</i>	
<b>Comments (projects, ...)</b>		<i>No plans for telecom venture</i>

## Syria

Company/Entity		Syrian Petroleum Company (SPC)	Al-Furat Petroleum Company (AFPC)	Syrian Petroleum Transport Company	Public Establishment for Electricity Generation and Transportation (PEEGT)
<b>Sector</b>		Public Utilities	Public utilities	Public Utilities	Public Utilities
<b>Name of the telecom venture</b>		Not currently operational	Not currently operational	Not currently operational	Not currently operational
<b>Date of creation</b>		N/A	N/A	N/A	N/A
<b>Legal status</b>		N/A	N/A	N/A	N/A
<b>% owned by the different partners</b>		N/A	N/A	N/A	N/A
<b>Turnover (year of reference)</b>		N/A	N/A	N/A	N/A
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	N/A	N/A	N/A	KEC in India. Awaiting details of further tendering
	<i>Activity</i>	N/A	N/A	N/A	N/A
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and further developments forecasted</i>	Field development and infrastructure construction projects in Northeastern Syria and Central Syria continue.	Plans to invest several hundred million dollars in oil and gas infrastructure during next five years.	Field development and infrastructure construction projects in Northeastern Syria and Central Syria continue.	Regional project to create electricity grid between Syria, Jordan, Egypt, Iraq and Turkey.
	<i>Media characteristics</i>	N/A	N/A	N/A	N/A
	<i>Bandwidth</i>	N/A	N/A	N/A	N/A
<b>Services provided</b>	<i>Fixed voice services</i>	N/A	N/A	N/A	N/A
	<i>Mobile services</i>	N/A	N/A	N/A	N/A
	<i>Data services</i>	N/A	N/A	N/A	N/A
	<i>Image services</i>	N/A	N/A	N/A	N/A
	<i>Management services</i>	N/A	N/A	N/A	N/A
	<i>Value-added services</i>	N/A	N/A	N/A	N/A
<b>Contents provided</b>		N/A	N/A	N/A	N/A
<b>Customer targets</b>	<i>Large Companies and institutions</i>	N/A	N/A	N/A	N/A
	<i>Soho (small office/home office)</i>	N/A	N/A	N/A	N/A
	<i>Operators</i>	N/A	N/A	N/A	N/A
	<i>General public</i>	N/A	N/A	N/A	N/A
<b>Comments (projects, ...)</b>		<i>Potential for alternative network</i>	<i>Potential for alternative network</i>	<i>Potential for alternative network</i>	<i>Potential for alternative network</i>

## Tunisia

Company/Entity		SNCFT Société Nationale de Chemins de Fer	SOCIETE TUNISIENNE DE L' ELECTRICITE ET DU GAS (STEG)	SOCIETE NATIONALE D' EXPLOITATION ET DE DISTRIBUTION DES EAUX (SONEDE)
<b>Sector</b>		<b>Rail</b>	<b>Electricity and Gas</b>	<b>Water network</b>
<b>Name of the telecom venture</b>		<b>none</b>	<b>none</b>	<b>none</b>
<b>Date of creation</b>		N/A	N/A	N/A
<b>Legal status</b>		Public Corporation/ Monopoly	Public Corporation/ Monopoly	Public Corporation/ Monopoly
<b>% owned by the different partners</b>		N/A	N/A	N/A
<b>Turnover (year of reference)</b>		N/A	N/A	N/A
<b>Major other companies involved</b>	<i>Name and telecom venture</i>	N/A	N/A	N/A
	<i>% owned</i>	N/A	N/A	N/A
	<i>Activity</i>	N/A	N/A	N/A
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and further developments forecasted</i>	Nationwide	Nationwide	Nationwide
	<i>Media characteristics</i>	N/A	N/A	N/A
	<i>Bandwidth</i>	N/A	N/A	N/A
<b>Services provided</b>	<i>Fixed voice services</i>	N/A	N/A	N/A
	<i>Mobile services</i>	N/A	N/A	N/A
	<i>Data services</i>	N/A	N/A	N/A
	<i>Image services</i>	N/A	N/A	N/A
	<i>Management services</i>	N/A	N/A	N/A
	<i>Value-added services</i>	N/A	N/A	N/A
<b>Contents provided</b>		N/A	N/A	N/A
<b>Customer targets</b>	<i>Large Companies and institutions</i>	N/A	N/A	N/A
	<i>Soho (small office/home office)</i>	N/A	N/A	N/A
	<i>Operators</i>	N/A	N/A	N/A
	<i>General public</i>			
<b>Comments (projects, ...)</b>		<i>No plans for telecom venture</i>	<i>No plans for telecom venture</i>	<i>No plans for telecom venture</i>

## Turkey

<b>Company/Entity</b>		<b>ULAKBIM (National Academic Network and Computing Center)</b>
<b>Sector</b>		Education and training
<b>Name of the telecom venture</b>		ULAKNET
<b>Date of creation</b>		1997
<b>Legal status</b>		NGO
<b>% owned by the different partners</b>		%100 TUBITAK owned (physical layer is owned by Turk Telekom)
<b>Turnover (year of reference)</b>		n.a.
<b>Major other companies involved</b>	<i>Name and telecom venture % owned</i>	Turk Telekom is the owner of the physical layer
	<i>Activity</i>	physical layer owner
<b>Infrastructure provided</b>	<i>Current Geographical Coverage and further developments forecasted</i>	All universities and some other institutions in Turkey plus several universities in Northern Cyprus
	<i>Media characteristics</i>	ATM backbone, Frame Relay at user level
	<i>Bandwidth</i>	34 Mbps backbone
<b>Services provided</b>	<i>Fixed voice services</i>	n.a.
	<i>Mobile services</i>	n.a.
	<i>Data services</i>	yes
	<i>Image services</i>	to be available soon
	<i>Management services</i>	consultancy, network management, etc.
	<i>Value-added services</i>	FTP, web, gopher
<b>Contents provided</b>		research databases search, documentation search
<b>Customer targets</b>	<i>Large Companies and institutions</i>	universities, research organisations, military and police academies, national library, history institute, etc
	<i>Soho (small office/home office)</i>	
	<i>Operators</i>	
	<i>General public</i>	
<b>Comments (projects, ...)</b>		<i>ULAKNET is the only existing alternative network in Turkey. It is a network for universities and research organisations. It is operated by a unit of TUBITAK. The physical layer is owned by Turk Telekom. ULAKNET capacity is gradually increased to meet the demand. Recently contacts were made between ULANET and GRNET (Greek academic and research network) to establish a connection between the two networks.</i>