



Alternative Networks in the Mediterranean

Synoptic Tables

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

Algeria

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

Algeria

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

Cyprus

Company/Entity		Electricity Authority of Cyprus
Sector		Code 5 (Energy)
Name of the telecom venture		Alternative network
Date of creation		avr-95
Legal status		Solely owned by the Authority
% owned by the different partners		none
Turnover (year of reference)		None (it is used for internal communications of the Authority and for data acquisition purposes. It has not yet been used for commercial purposes.)
Major other companies involved	<i>Name and telecom venture % owned</i>	None
	<i>Activity</i>	None
Infrastructure provided	<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
Services provided	<i>Fixed voice services</i>	Yes
	<i>Mobile services</i>	
	<i>Data services</i>	Yes
	<i>Image services</i>	
	<i>Management services</i>	
Contents provided		
Customer targets	<i>Large Companies and institutions</i>	To be. It is anticipated that large organizations (I.e., banks) would be targeted.
	<i>Soho (small office/home office)</i>	
	<i>Operators</i>	
	<i>General public</i>	
Comments (projects, ...)		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

Company/Entity		Israel Electric Company	Israel Railways
Sector		Infrastructure - Electricity	Transport
Name of the telecom venture		None	None
Date of creation		NR	NR
Legal status		NR	NR
% owned by the different partners		NR	NR
Turnover (year of reference)		NR	NR
Major other companies involved	<i>Name and telecom venture % owned</i>	NR	NR
	<i>Activity</i>	NR	NR
Infrastructure provided	<i>Current Geographical Coverage and further developments forecasted</i>	All the national territory	Central Part of the Country from Haifa to Rehovot
	<i>Media characteristics</i>	Optic Cables	Optic Cables
	<i>Bandwidth</i>		NR
Services provided	<i>Fixed voice services</i>	NR	NR
	<i>Mobile services</i>	NR	NR
	<i>Data services</i>	Internal to the company	For Internal Purposes; to be expanded
	<i>Image services</i>	NR	
	<i>Management services</i>	NR	For Internal Purposes; to be expanded
	<i>Value-added services</i>	NR	NR
Contents provided		NR	NR
Customer targets	<i>Large Companies and institutions</i>	NR	NR
	<i>Soho (small office/home office)</i>	NR	NR
	<i>Operators</i>	NR	NR
	<i>General public</i>	NR	NR
Comments (projects, ...)		<i>The existing IEC network of optic cables eventually may serve for services to be provided to the general public following the present liberalisation. No license for such purposes has been awarded so far</i>	<i>The Israel Railways applied to the Ministry of Communications to receive a general license for the provision of telecommunication services using its optic cables network.</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 further developments forecasted	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 Israel 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

Company/Entity		DBS	Aruzei Zahav
Sector		Television	Cable Television
Name of the telecom venture		DBS	
Date of creation		NA	
Legal status		NA	
% owned by the different partners		Eurocom (40%); Bezeq (30%); Gilat (10%); Lidan (5%); Cardin(5%); Poalim Investments (10%)	Aureq (12%); Fishman/Bar-on and Yedioth Aharonot (66%); Tevel (22%)
Turnover (year of reference)		NA	
Major other companies involved	Name and telecom venture % owned	NR	
	Activity	NR	
Infrastructure provided	Current Geographical Coverage and further developments forecasted	The Whole Country	Several Regions in all the Country
	Media characteristics	Direct Broadcasting Satellite	Cable Television
	Bandwidth		
Services provided	Fixed voice services		
	Mobile services		
	Data services		Planned
	Image services	Provision of Direct Broadcasting Satellite Television Services	The main service now provided
	Management services		
	Value-added services	Provision of content for the DBS broadcast	Planned
Contents provided		Television channels from abroad and from original productions in the country	
Customer targets	Large Companies and institutions	NA	
	Soho (small office/home office)	NA	
	Operators	NA	
	General public	Yes	
Comments (projects, ...)		The DBS company is now deploying its infrastructure and services are expected for early 2000. As it establishes a direct loop to the customers homes it has good chances to expand into additional digital services.	

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 Turnover (year of reference)		Denkner (43%); Maariv (16%); Hanania Gibstein (7%); Shimeon and Ali Hefetz (6%); the public (28%)	IDB (48.5%); UPC (46.5%);
Major other companies involved	Name and telecom venture % owned		
	Activity		
Infrastructure provided	Current Geographical Coverage and further developments forecasted	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	The main service now provided
	Management services		
	Value-added services	Planned	Planned
Contents provided			
Customer targets	Large Companies and institutions		
	Soho (small office/home office)		
	Operators		
	General public		
Comments (projects, ...)			

Israel

Company/Entity		MED-1 Submarine Cables Ltd
Sector		Submarine telecommunications infrastructures
Name of the telecom venture		MED-1 Submarine Cables Ltd
Date of creation		1996
Legal status		Limited Share Company
% owned by the different partners		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%
Turnover (year of reference)		NA
Major other companies involved	<i>Name and telecom venture % owned</i>	NR
	<i>Activity</i>	NR
Infrastructure provided	<i>Current Geographical Coverage and further developments forecasted</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
Services provided	<i>Fixed voice services</i>	Infrastructure
	<i>Mobile services</i>	
	<i>Data services</i>	Infrastructure
	<i>Image services</i>	
	<i>Management services</i>	Infrastructure
Value-added services		
Contents provided		NR
Customer targets	<i>Large Companies and institutions</i>	Yes
	<i>Soho (small office/home office)</i>	
	<i>Operators</i>	Yes
<i>General public</i>		
Comments (projects, ...)		<i>The coastal cable IC-1 will be available in early 2000 and is presently the first alternative infrastructure for national telecommunications already fully 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
Sector		Electricity	Water	Oil sector	Railway	Cable TV
Name of the telecom venture		none	none	none	none	none
Date of creation		N/A	N/A	N/A	N/A	N/A
Legal status		Public Corporation	Public Corporation	Public Corporation	Public Corporation	Public Corporation
% owned by the different partners						
Turnover (year of reference)		N/A	N/A	N/A	N/A	N/A
Major other companies involved	<i>Name and telecom venture % owned</i>	-	-	-	-	-
	<i>Activity</i>					
Infrastructure provided	<i>Current Geographical Coverage and further developments forecasted</i>	Nationwide	Nationwide	Nationwide	Nationwide	Nationwide
	<i>Media characteristics</i>	-	-	-	-	-
	<i>Bandwidth</i>	-	-	-	-	-
Services provided	<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>	-	-	-	-	-
Contents provided		-	-	-	-	-
Customer targets	<i>Large Companies and institutions</i>	-	-	-	-	-
	<i>Soho (small office/home office)</i>	-	-	-	-	-
	<i>Operators</i>					
	<i>General public</i>					
Comments (projects, ...)		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, ...)		Intends to become a data services and Internet access /content provider	Link to a new network of Local Councils

Palestine Territories

Company/Entity		The Palestinian Energy and Environment Research Center (PEC)
Sector		Energy
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
Major other companies involved	<i>Name and telecom venture % owned</i>	N/A
	<i>Activity</i>	N/A
Infrastructure provided	<i>Current Geographical Coverage and further developments forecasted</i>	Palestine Authorities Areas
	<i>Media characteristics</i>	N/A
	<i>Bandwidth</i>	N/A
Services provided	<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
Contents provided		N/A
Customer targets	<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>	
Comments (projects, ...)		<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)
Sector		Public Utilities	Public utilities	Public Utilities	Public Utilities
Name of the telecom venture		Not currently operational	Not currently operational	Not currently operational	Not currently operational
Date of creation		N/A	N/A	N/A	N/A
Legal status		N/A	N/A	N/A	N/A
% owned by the different partners		N/A	N/A	N/A	N/A
Turnover (year of reference)		N/A	N/A	N/A	N/A
Major other companies involved	<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
Infrastructure provided	<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
Services provided	<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
Contents provided		N/A	N/A	N/A	N/A
Customer targets	<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
Comments (projects, ...)		<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)
Sector		Rail	Electricity and Gas	Water network
Name of the telecom venture		none	none	none
Date of creation		N/A	N/A	N/A
Legal status		Public Corporation/ Monopoly	Public Corporation/ Monopoly	Public Corporation/ Monopoly
% owned by the different partners		N/A	N/A	N/A
Turnover (year of reference)		N/A	N/A	N/A
Major other companies involved	Name and telecom venture	N/A	N/A	N/A
	% owned	N/A	N/A	N/A
	Activity	N/A	N/A	N/A
Infrastructure provided	Current Geographical Coverage and further developments forecasted	Nationwide	Nationwide	Nationwide
	Media characteristics	N/A	N/A	N/A
	Bandwidth	N/A	N/A	N/A
Services provided	Fixed voice services	N/A	N/A	N/A
	Mobile services	N/A	N/A	N/A
	Data services	N/A	N/A	N/A
	Image services	N/A	N/A	N/A
	Management services	N/A	N/A	N/A
	Value-added services	N/A	N/A	N/A
Contents provided		N/A	N/A	N/A
Customer targets	Large Companies and institutions	N/A	N/A	N/A
	Soho (small office/home office)	N/A	N/A	N/A
	Operators	N/A	N/A	N/A
	General public			
Comments (projects, ...)		No plans for telecom venture	No plans for telecom venture	No plans for telecom venture

Turkey

Company/Entity		ULAKBIM (National Academic Network and Computing Center)
Sector		Education and training
Name of the telecom venture		ULAKNET
Date of creation		1997
Legal status		NGO
% owned by the different partners		%100 TUBITAK owned (physical layer is owned by Turk Telekom)
Turnover (year of reference)		n.a.
Major other companies involved	<i>Name and telecom venture % owned</i>	Turk Telekom is the owner of the physical layer
	<i>Activity</i>	physical layer owner
Infrastructure provided	<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
Services provided	<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
Contents provided		research databases search, documentation search
Customer targets	<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>	
Comments (projects, ...)		ULAKNET is a university and research organisations network owned by TUBITAK. The physical layer is owned by Turk Telekom