

Overview of the Georgian Telecommunication System

Budget Fee from State Produce in January-June 2004.

Name	January-June 2004 thousand GEL. (increase value)
Adjara	123,0
JSC "Georgian Elektrokavshiri"	5544,3
"Georgian Post" LTD	670,0
"Georgian centre of phone communication" LTD	195,6
"Georgian TV-Radio centre" LTD	360,4
"Georgian Telecom" LTD	2328,0
Military defense	30,7
"Telecommunication and Post objects' exploitation and construction" LTD	9,0
	9261,0

Total budget fees from the state enterprises in January-June 2004 equals to 9 261 000 GEL.

www.mta.gov.ge

Department of the Communications and Information Technologies policy

Overview of the Georgian Telecommunication System

JSC "GEORGIAN ELECTRICAL COMMUNICATIONS"



Georgian Electrical Communications was founded on July 2, 1995 as a company with limited liability on the basis of municipal and regional enterprises of the Ministry of Post and Telecommunications of Georgia.

On June 25, 1999 Georgian Electrical Communications Ltd. was transformed into a 100% state-owned joint stock company JSC Georgian Electrical Communications.

The authorized capital stock of the company is 103 m. GEL.

Company is the major proprietor of the local telephone networks, backbone networks and underground communication facilities throughout Georgia.

Now JSC "Georgian Electrical Communications" is the biggest local and international telephone operator in Georgia.

Company has 6000 employees.

www.mta.gov.ge

Department of the Communications and Information Technologies policy

Overview of the Georgian Telecommunication System

JSC "GEORGIAN ELECTRICAL COMMUNICATIONS"



Provides:

Functioning of the telecommunication system on the whole territory of Georgia;

Local, intercity, international telephone service and connection to the mobile operators;

Distribution of the telephone and TV signals using Radio-Relay and Magisterial Cable systems;

Communications via serial numbers;

Internet and ISDN connections.

www.infra.gov.ge

Department of the Communications and Information Technology

Overview of the Georgian Telecommunication System

JSC „GEORGIAN ELECTRICAL COMMUNICATIONS“ BASIC TECHNICAL MEANS

- Number of step-by-step exchanges - 36
- Number of cross-bar exchanges - 211
- Number of quasi-electronic exchanges - 14
- Number of digital switches - 25
- Installed capacity of the telephone exchanges – 482,374 lines*
- Currently installed - 351,670 lines
- Total length of the long distance trunk cables - 3,542 km
- Total length of the coaxial and symmetrical long distance trunk cables – 6,266 km
- Total length of the arial long distance trunk lines – 317 km
- Total length of the radio-relay lines – 1,150 km
- Total length of the telephone links – 1,209 km
- Total lengths of the TV links – 2,296 km
- Number of the terminating channels for long distance communication generated through multiplexing equipment – 9,933
- Number of automatic long distance telephone channels – 1,484

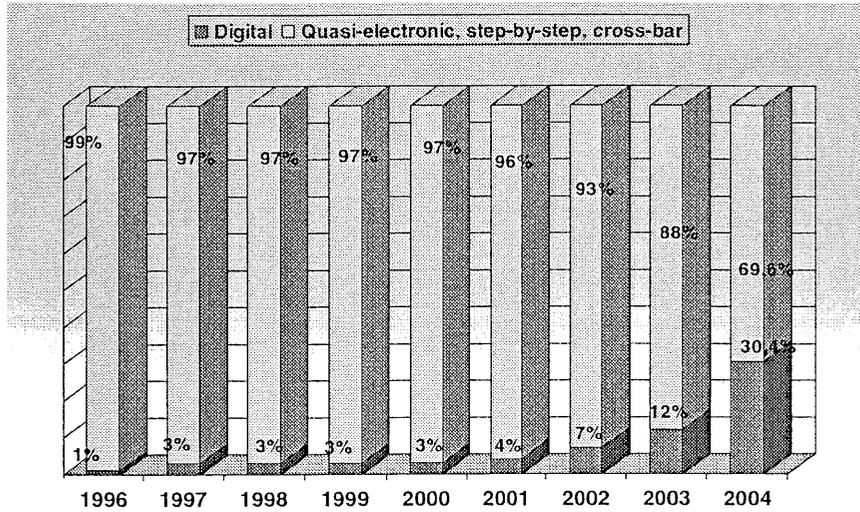
* actual number of lines to be installed - 14,375

www.infra.gov.ge

Department of the Communications and Information Technology

Overview of the Georgian Telecommunication System

SHARE OF THE DIGITAL SWITCHES' INSTALLED CAPACITIES IN THE TOTAL INSTALLED CAPACITIES

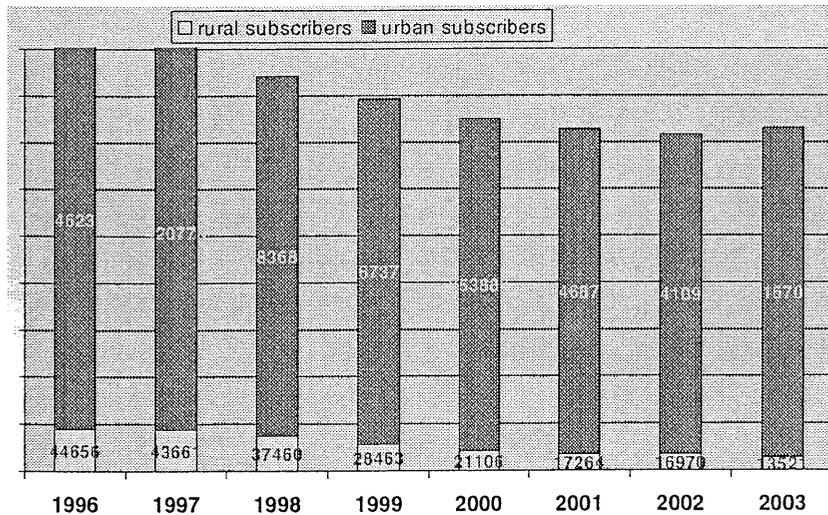


www.infra.gov.ge

Department of the Communications and Information Technologies Policy

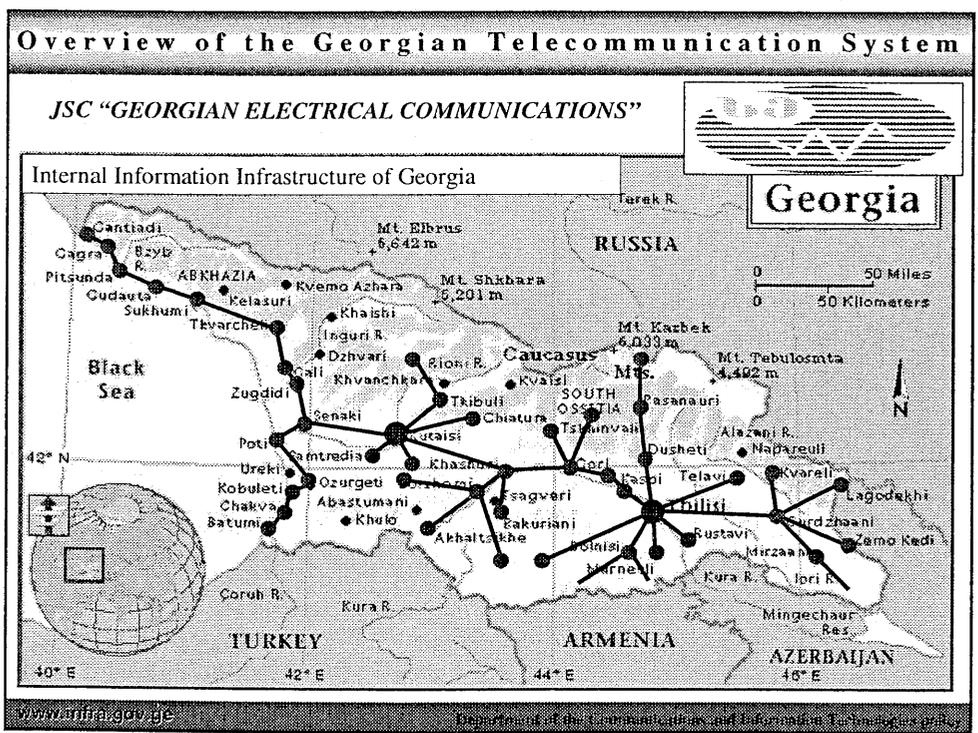
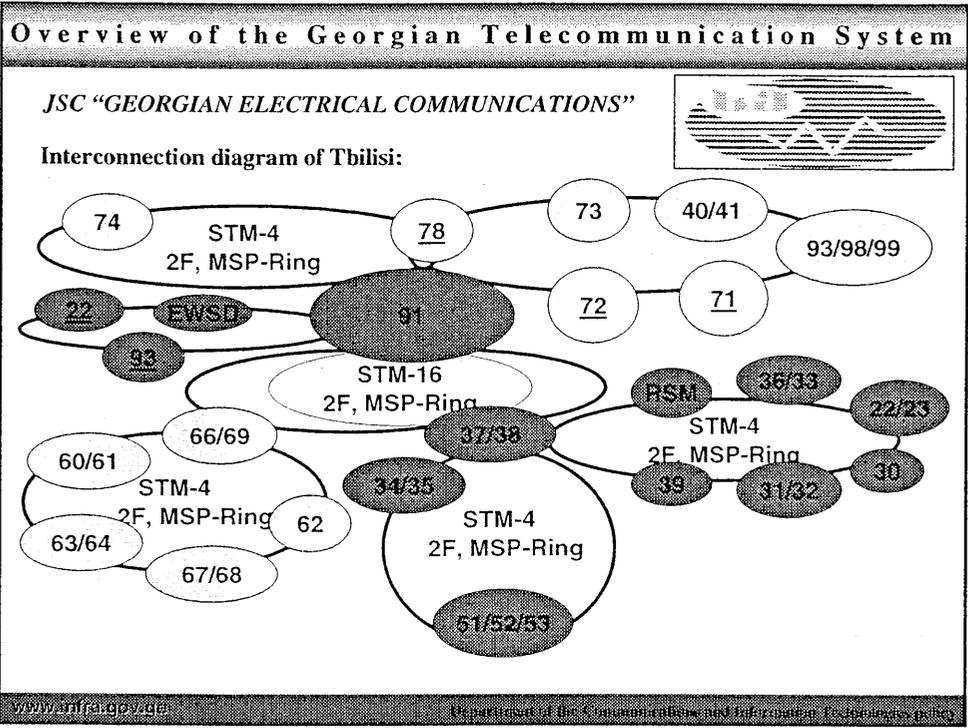
Overview of the Georgian Telecommunication System

TREND OF RURAL AND URBAN SUBSCRIBERS



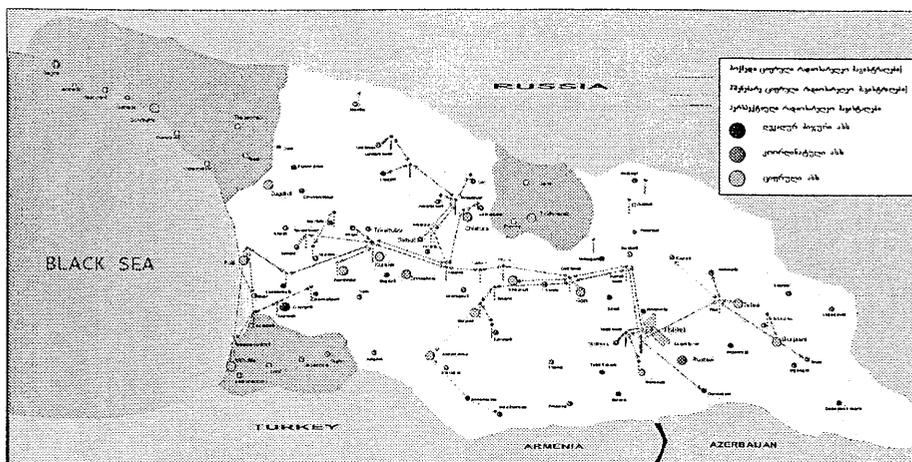
www.infra.gov.ge

Department of the Communications and Information Technologies Policy



Overview of the Georgian Telecommunication System

Georgian Electrical Communications Radio-Relay Links



www.infrageo.ge

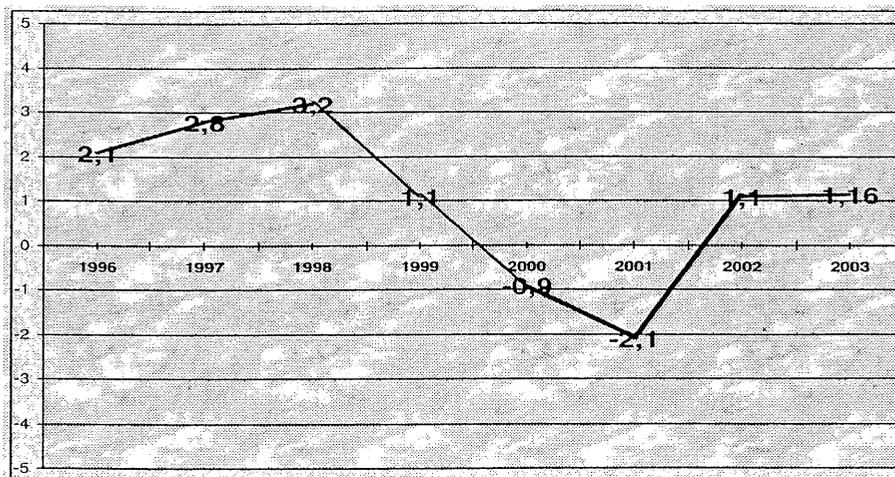
Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

JSC "GEORGIAN ELECTRICAL COMMUNICATIONS"



Profit and loss (million GEL):



www.infrageo.ge

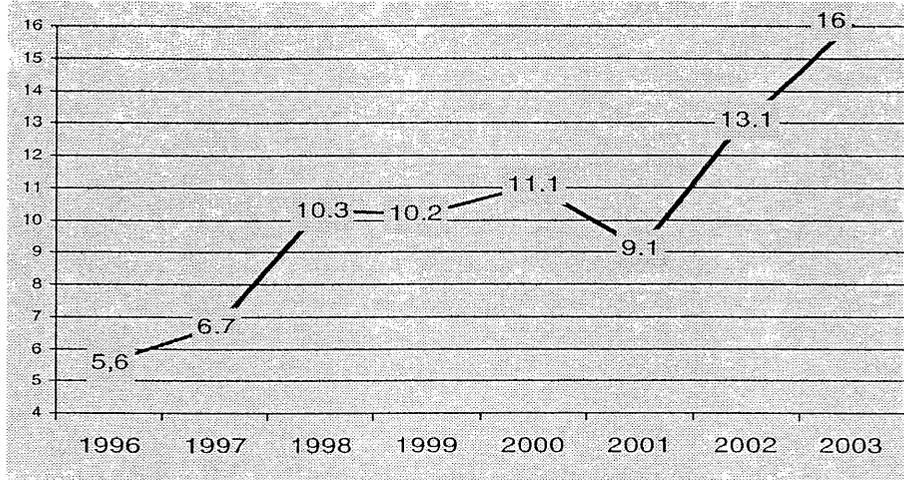
Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

JSC "GEORGIAN ELECTRICAL COMMUNICATIONS"



Contribution to the state budget (million GEL):



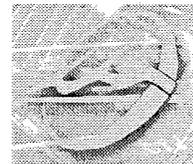
www.nra.gov.ge

Department of the Communications and Information Technologies policy

Overview of the Georgian Telecommunication System

"Telecom Georgia" LTD

"Telecom Georgia" LTD was established in 1994 with the main function of intercity and international telephone operator. At first it was called "Geocom", but in 1996 it was registered as a "Telecom Georgia". The authorized capital stock of the company is 8 512 000 USD.



Founders of the company are:

1. The Ministry of Communication and Post (now the State Property Management Agency) – 40% (3404800 USD)
2. Intercity Telephone Connection Center – 11% (936320 USD)
3. Metromedia International Group Inc (USA) – 30% (2553600 USD)
4. Bullcom Ltd (Cyprus) – 19% (1617280 USD)

Considering shares of the I and II founders, the State owns 51% of the "Telecom Georgia" Ltd.

Company has 360 employees (170 engineers-technical staff) and an average salary is about 350 GEL.

www.nra.gov.ge

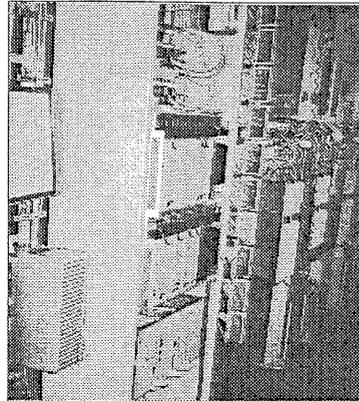
Department of the Communications and Information Technologies policy

Overview of the Georgian Telecommunication System

"Telecom Georgia" LTD

Main Characteristics of EWSD Stations of Tbilisi and Kutaisi

- Manufacturer - „Siemens"
- Type – EWSD
- Software Version - V10
- Signalization Type – 1VA, R2, C5, C7, EURO - ISDN
- Number of Subscribers – 1400 (Tbilisi) and 300 (Kutaisi)
- Number of Links – 8500 (Tbilisi) and 2200 (Kutaisi)
- Type of Subscriber Lines – Analogical, Integrated Service Digital Network (ISDN)
- All other Services which is Provided by ITU recommendations for Digital Network Stations
- Provide International Long Distance Connection Over Georgia



www.minfra.gov.ge

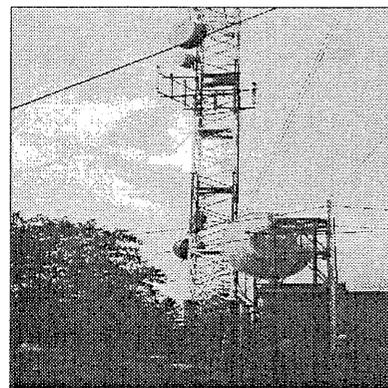
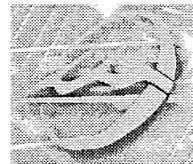
Ministry of the Government and Information Technologies Policy

Overview of the Georgian Telecommunication System

LTD "Telecom Georgia"

SDH Technology R¥R Link Characteristics

- Manufacturer – Siemens
- Technology - SDH STM-1 155 Mb/pm
- Configuration 1+1
- Route length 303 km
- Frequency Band – 6.4 – 7.1 GHz
- Quantity of Channels 63 X 2 Mb/pm; 3 X 34 Mb/pm
- System is managing from Tbilisi
- Terminal and separation equipment – Tbilisi, Kutaisi, Photi, Gori, Alaverdi, Antenna of Kutaisi, Senaki.
- Number of Stations – 11

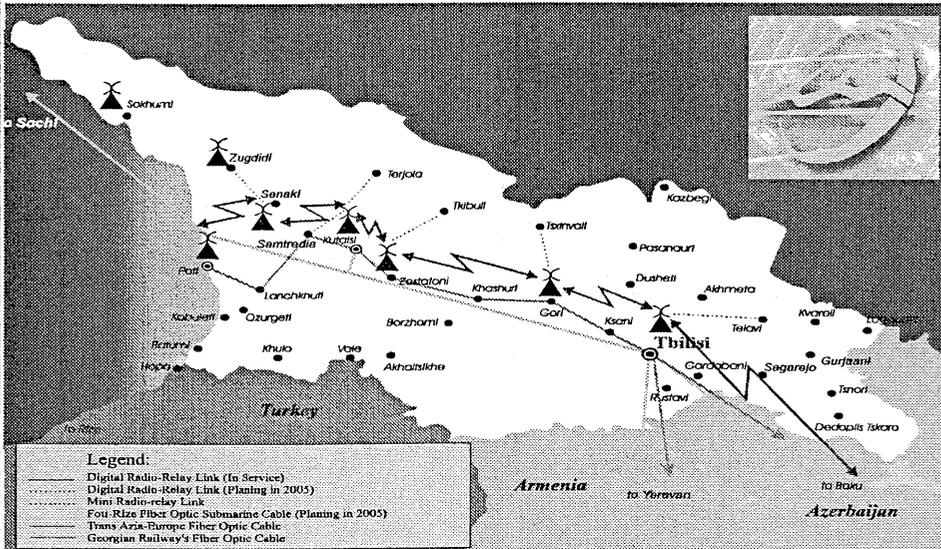


www.minfra.gov.ge

Ministry of the Government and Information Technologies Policy

Overview of the Georgian Telecommunication System

LTD "Telecom Georgia"



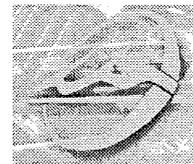
www.telecom.ge

Department of the Communications and Information Technologies

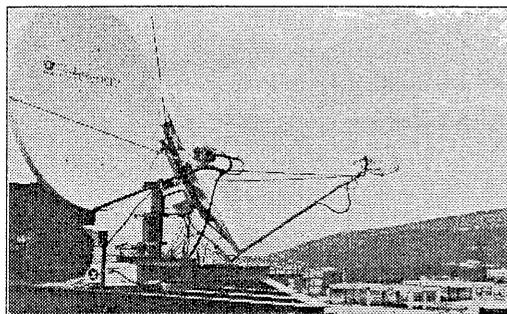
Overview of the Georgian Telecommunication System

"Telecom Georgia" LTD

Main characteristics of the ground stations of "Telecom Georgia" operating on the INTELSAT, TURKSAT and EUTELSAT Space Satellites.



1. „INTELSAT” F-2 type Earth station
Diameter - of the antenna – 7.5m
C Frequency Band
Direct connection: : AT&T, SPRINT, MCI (USA), British Telecom (England)
2. „TURKSAT” Earth station
Diameter - of the antenna - 2,4m
Ku Frequency Band
Direct connection with Turkmen
3. „EUTELSAT” Earth station
Diameter - of the antenna - 2,4m
Ku Frequency Band
Direct connection with Turkmen

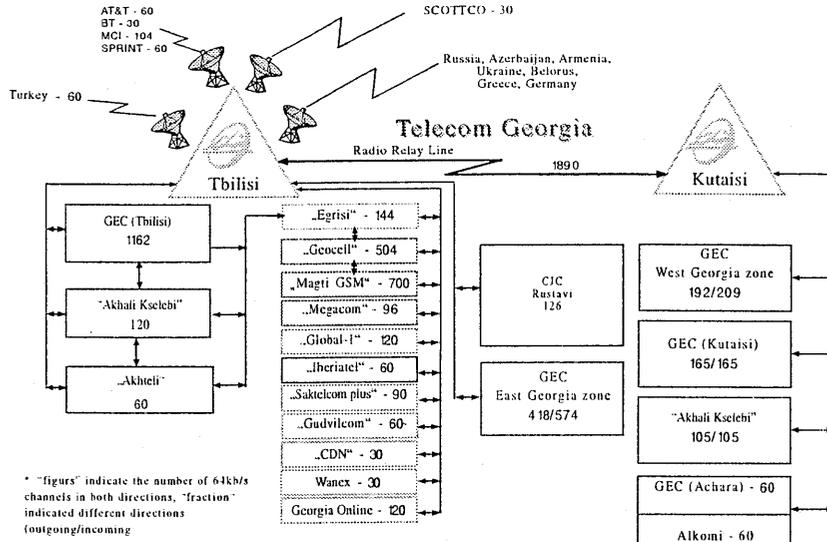


www.telecom.ge

Department of the Communications and Information Technologies

Overview of the Georgian Telecommunication System

Telecom Georgia interconnection with the Georgian Existing operators

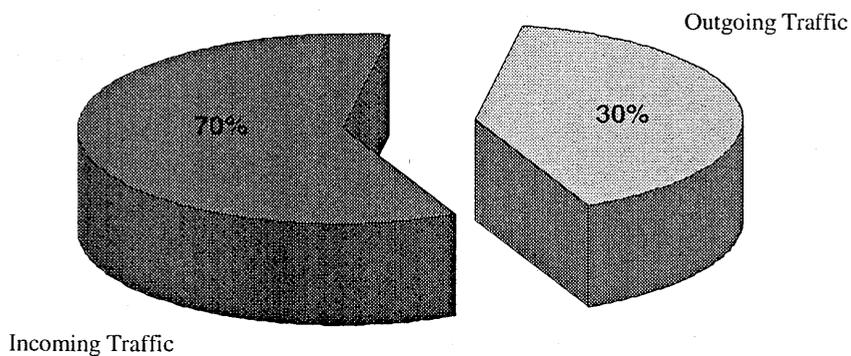


www.intra.gov.ge

Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

Telecom Georgia International Traffic Structure

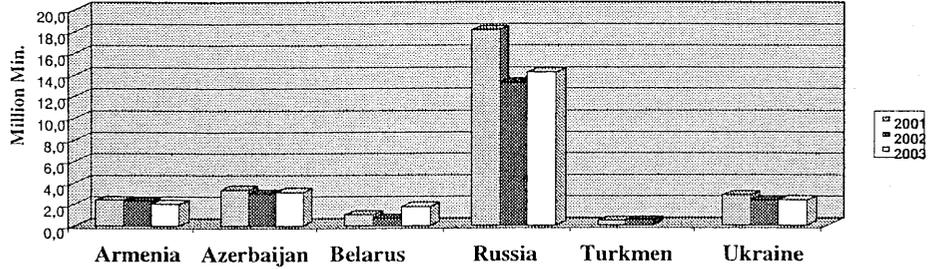


www.intra.gov.ge

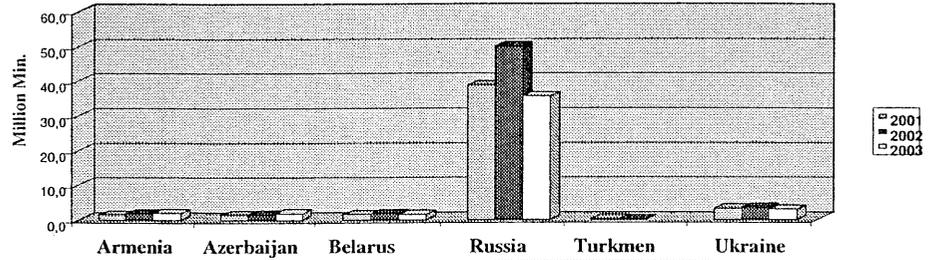
Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

Direct Outgoing Traffic



Direct Incoming Traffic

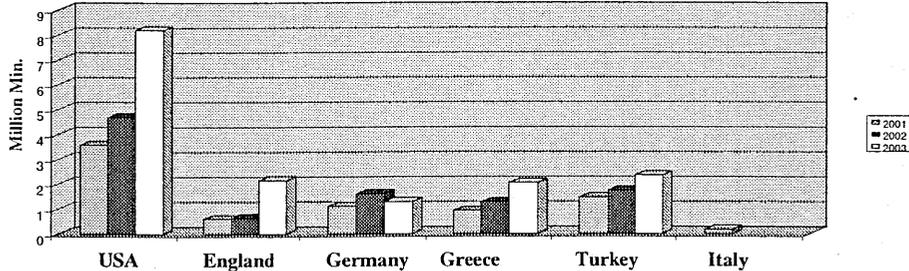


www.mta.gov.ge

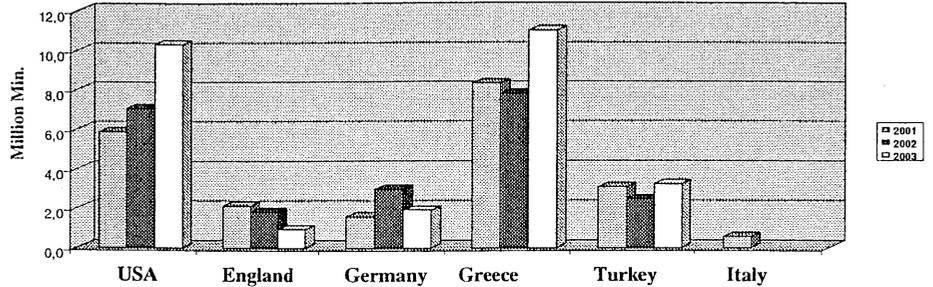
Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

Direct Outgoing Traffic



Direct Incoming Traffic



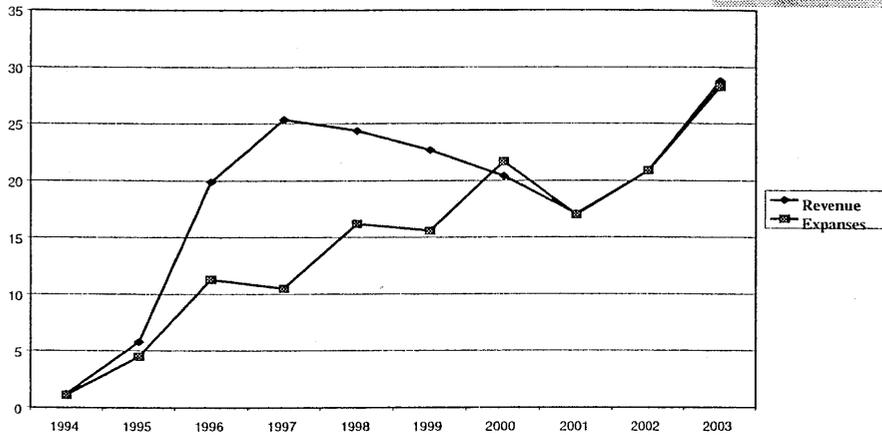
www.mta.gov.ge

Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

"Telecom Georgia" LTD

Dynamics of "Telecom Georgia" Revenue and Expenses



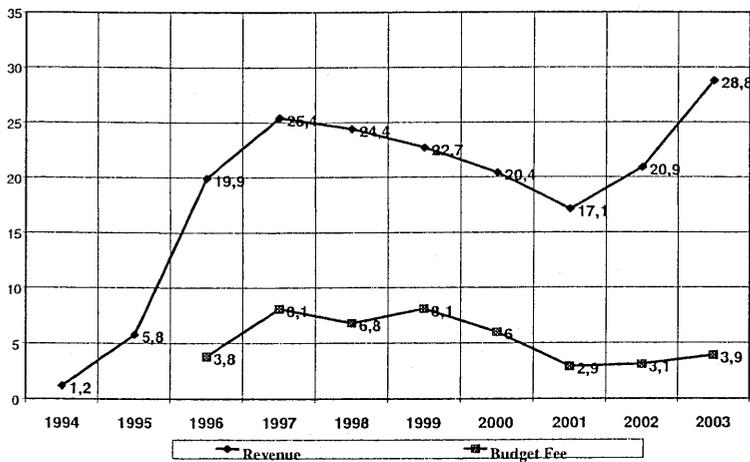
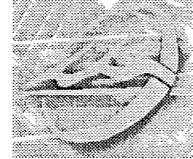
www.infr.gov.ge

Department of the Communications and Information Technologies Policy

Overview of the Georgian Telecommunication System

LTD "Telecom Georgia"

Dynamic of "Telecom Georgia" Revenue and Budget Fee



www.infr.gov.ge

Department of the Communications and Information Technologies Policy