

North Macedonia Profile (2018)

Various statistics (Latest data available: 2018)

Fixed-telephone subscriptions per 100 inhabitants	18.0244
Mobile-cellular subscriptions per 100 inhabitants	98.4558
Fixed (wired)-broadband subscriptions per 100 inhabitants	19.9363
Mobile-broadband subscriptions per 100 inhabitants	67.4173
Households with a computer (%)	67.2537
Households with Internet access at home (%)	69.1605
Individuals using the Internet (%)	79.1678

Regulatory Authority (Latest data available: 2018)

Please provide the name of the Head of the Regulatory Authority	Mr. Sasho Dimitrijoski
Please provide the exact title of the Head of the Regulatory Authority.	Director
Name of the telecom/ICT regulator	Agency for electronic communication

Policy Maker (Latest data available: 2018)

Please provide the name and contact details of the main Policy-Maker in charge of telecommunications/ICTs	Ministry for information society and administration
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Level of Competition (Latest data available: 2018)

Cable modem	C*
Cable Television	C*
Data2014	C*
Domestic fixed long distance	C*
Fixed Satellite Services (FSS)	N
Fixed Wireless Broadband	C*
GMPCS (FSS/MSS)2004	C
IMT (3G, 4G, etc.)	C*
International Gateways	N
International Fixed Long Distance	C*
Internet Services	C*
Leased Lines	C*
Wireless Local Loop	N
Local Fixed Line Services	C*
Mobile	C*
Mobile Satellite Services (MSS)	N
Paging2005	C
VSAT	N
DSL	C*

M: Monopoly
P: Partial competition (year when competition was introduced)
C: Full competition (year when competition was introduced)
N: N/A

Institutional Details (Latest data available: 2018)

Regulator autonomous in decision making	Yes
Who is responsible for approving the budget of the Regulator? [2005]	Parliament
Legal document creating the regulator	Law for electronic communication
Sources of regulator's budget and % financed from each source	<ul style="list-style-type: none"> • Numbering fees, percentage: 9%, • Spectrum fees, percentage: 78%, • Regulatory fees, percentage: 11%,
Regulator also regulates other utilities	
Reporting requirements of the regulator	<ul style="list-style-type: none"> • Annual report to the public • Report to Legislature/Parliament
Year separate regulator created	2005

Structure Regulator (Latest data available: 2018)

Please provide the name of the Head of the Regulatory Authority	Mr. Sasho Dimitrijoski
Please provide the exact title of the Head of the Regulatory Authority.	Director
Regulator is a collegial body	Yes
If Yes, please provide the total number of members/commissioners (including the Head). [2005]	5
Is the Head of the Commission also responsible for day-to-day administrative matters?	No
What is the normal period of appointment for the members and the Head of the Regulatory Authority? [2005]	5 years
Please provide the total number of staff in the Regulatory Authority.	131

Regulatory Functions (Latest data available: 2018)

Entity in charge of licensing	R
Entity in charge of interconnection rates	R
Entity in charge of price regulation	R
Entity in charge of technical standards setting	R
Entity in charge of radio frequency allocation and assignment	R
Spectrum Monitoring and Enforcement	R
Entity in charge of numbering	R
Entity in charge of type approval	R
Entity in charge of service quality monitoring	R
Entity in charge of universal service/access	R
Quality of service standards setting	R
Entity in charge of enforcement of quality of service obligations	R
Broadcasting (sound transmission)	R
Entity in charge of broadcasting content	O
Entity in charge of Information Technology	S
Entity in charge of Internet content	R

S: Sector Ministry
 O: Other Ministry or Government body
 R: Regulatory Authority
 Op: Operator
 N: Not regulated
 M: If more than one entity or another body is involved in this function, please explain

Universal Service - services covered and operator obligations (Latest data available: 2018)

Definition of universal service/access exists	Yes
Universal access/service policy adopted	Yes
Voice services included in Universal service/access definition	<ul style="list-style-type: none"> • Fixed line private residential service as part of universal service definition • Fixed line public payphone service as part of universal service definition
Internet services included in Universal service/access definition	• Broadband as part of universal service definition
Other services included in Universal service/access definition	• Directory services as part of universal service definition
Operators under universal access/service obligation	• Designated US Provider
Operators/service providers required to offer below-cost prices	Yes

Financing of Universal Service activities and/or Universal Service Funds (Latest data available: 2018)

Means of financing operator(s) universal access/service obligations	• Universal service funds
Other financing mechanisms for the provision of Universal service	No
If Yes, please explain	
Operational Universal Service Fund	Yes
If Yes, when? [2005]	01.01.2006
Operators/ service providers required to contribute to USF	• All operators
Means of calculating USF contribution amounts	• Percentage of total gross revenues (turnover) Percentage: 0.35%,
USF financed by other sources	No
USF budget financing by source (in percentage)	
Regulator administrating USF	Yes
If No, name the entity responsible	

Interconnection issues (Latest data available: 2018)

Interconnection charging principle adopted	• Symmetric
If asymmetric charging, how it was decided?	

Approach used to regulate interconnection prices (Latest data available: 2012)

Approach used to regulate fixed termination rates	LRIC
Approach used to regulate mobile termination rates	LRIC

LRIC: LRIC cost model
 FDC: FDC cost model
 B: Benchmarking
 O: Other
 N: None

NGN (Latest data available: 2018)

Stage of introduction of NGN system by operators • Implementation

Cost model used (or planned) to calculate costs/tariffs of NGN Services • LRIC model

NGN - Regulation of IP networks (Latest data available: 2018)

Regulations that govern the use of IP networks for Data Services |

Regulations that govern the use of IP networks for Voice Services |

USO: Regulatory arrangements subject to universal service obligations

I: Regulatory interconnection arrangements with networks using switching circuits

B: Banning of services based on IP

No: No regulatory arrangements defined at present

O: Other