

Macao, China Profile (2018)

Various statistics (Latest data available: 2018)

Fixed-telephone subscriptions per 100 inhabitants	19.5475
Mobile-cellular subscriptions per 100 inhabitants	345.325
Fixed (wired)-broadband subscriptions per 100 inhabitants	30.5646
Mobile-broadband subscriptions per 100 inhabitants	345.325
Households with a computer (%)	73.5597
Households with Internet access at home (%)	90.2263
Individuals using the Internet (%)	83.7941

Regulatory Authority (Latest data available:)

Please provide the name of the Head of the Regulatory Authority

Please provide the exact title of the Head of the Regulatory Authority.

Name of the telecom/ICT regulator

Policy Maker (Latest data available:)

Please provide the name and contact details of the main Policy-Maker in charge of telecommunications/ICTs

Level of Competition (Latest data available:)

Cable modem

Cable Television

Data

Domestic fixed long distance

Fixed Satellite Services (FSS)

Fixed Wireless Broadband

GMPCS (FSS/MSS)

IMT (3G, 4G, etc.)

International Gateways

International Fixed Long Distance

Internet Services

Leased Lines

Wireless Local Loop

Local Fixed Line Services

Mobile

Mobile Satellite Services (MSS)

Paging

VSAT

DSL

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:)

Regulator autonomous in decision making

Who is responsible for approving the budget of the Regulator?

Legal document creating the regulator

Sources of regulator's budget and % financed from each source

Regulator also regulates other utilities

Reporting requirements of the regulator

Year separate regulator created

Structure Regulator (Latest data available:)

Please provide the name of the Head of the Regulatory Authority

Please provide the exact title of the Head of the Regulatory Authority.

Regulator is a collegial body

If Yes, please provide the total number of members/commissioners (including the Head).

Is the Head of the Commission also responsible for day-to-day administrative matters?

What is the normal period of appointment for the members and the Head of the Regulatory Authority?

Please provide the total number of staff in the Regulatory Authority.

Regulatory Functions (Latest data available:)

Entity in charge of licensing

Entity in charge of interconnection rates

Entity in charge of price regulation

Entity in charge of technical standards setting

Entity in charge of radio frequency allocation and assignment

Spectrum Monitoring and Enforcement

Entity in charge of numbering

Entity in charge of type approval

Entity in charge of service quality monitoring

Entity in charge of universal service/access

Quality of service standards setting

Entity in charge of enforcement of quality of service obligations

Broadcasting (sound transmission)

Entity in charge of broadcasting content

Entity in charge of Information Technology

Entity in charge of Internet content

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:)

Definition of universal service/access exists

Universal access/service policy adopted

Voice services included in Universal service/access definition

Internet services included in Universal service/access definition

Other services included in Universal service/access definition

Operators under universal access/service obligation

Operators/service providers required to offer below-cost prices

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

Means of financing operator(s) universal access/service obligations

Other financing mechanisms for the provision of Universal service

If Yes, please explain

Operational Universal Service Fund

If Yes, when?

Operators/ service providers required to contribute to USF

Means of calculating USF contribution amounts

USF financed by other sources

USF budget financing by source (in percentage)

Regulator administrating USF

If No, name the entity responsible

Interconnection issues (Latest data available: 2014)

Interconnection charging principle adopted • Asymmetric

If asymmetric charging, how it was decided? mobile party pays

Approach used to regulate interconnection prices (Latest data available: 2014)

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: 2016)

Stage of introduction of NGN system by operators • Implementation

Cost model used (or planned) to calculate costs/tariffs of NGN Services • Other please specify: N/A,

NGN - Regulation of IP networks (Latest data available: 2016)

Regulations that govern the use of IP networks for Data Services O* O: service subject to regulation, irrespective to technology being used

Regulations that govern the use of IP networks for Voice Services

O*

O: service subject to regulation, irrespective to technology being used

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