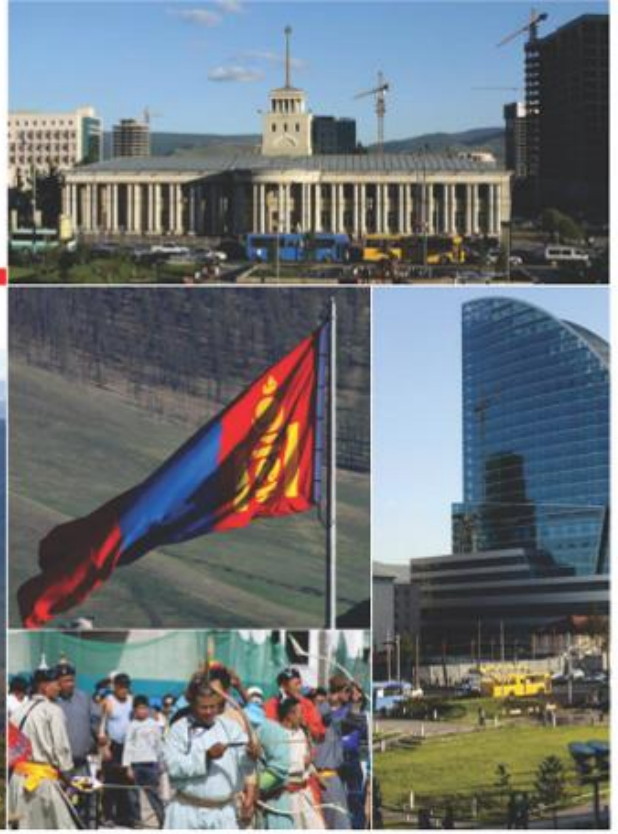


COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

For:

Session-07: Policy and Regulation

ITU Regional Development Forum for Asia-Pacific Region-2016 (ITU ASP RDF) 6-7 June 2016, Manila, Philippines.

REGULATORY FRAMEWORKS in ICT sector of Mongolia

T.Naranmandakh (Ph.D.), General-Secretary
Office of the Chairman and CEO
Communications Regulatory Commission
Ulaanbaatar, MONGOLIA
naran@crc.gov.mn, web: www.crc.gov.mn

Communications Regulatory Commission of Mongolia. All rights reserved

CONTENT

1 Country profile

2 ICT Sector organizational structure and World rank of Mongolia

3 Statistics of ICT sector of Mongolia

4 Legal environment and establishment of CRC

5 Mission and main responsibilities of CRC

6 Corporate organizational chart (including RF Monitoring Center)

7 Foreign Relations

8 National Programs and Ongoing regulatory projects

9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

1. COUNTRY PROFILE

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

Territory: 1.564.115,75 km

Climate: 4 Seasons extreme continental winter ave. -23

Highest peak: 4.267 m above the sea

Population:
2.965.000

Density:
1.76 per km²

Capital:
Ulaanbaatar (45%)

Language:
Mongolian

Ethnic droups:
Khalkh 82.4%
Kazakh 3.86%
others 13.74%

No. of Provinces:
21 provinces

Religion:
Buddism 53%
Muslim 3%
Shamanism 3%
Christian 2%

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

© 2014. Communications Regulatory Commission of Mongolia. All rights reserved

1. COUNTRY PROFILE

1206 — MONGOL EMPIRE:

1368 — POST EMPERIAL

1691 — UNDER THE QING DYNASTY

1911 — INDEPENDENCE: DEC.29.1911

1921 — COMMUNIST REGIME

1990 — DEMOCRATIC REGIME: SINCE 1990

GOVERNMENT AND POLITICS

GOVERNMENT TYPE: Parliamentary

GOVERNMENT: 16 ministries
21 agencies

GDP TOTAL: 11.52 billion ₮

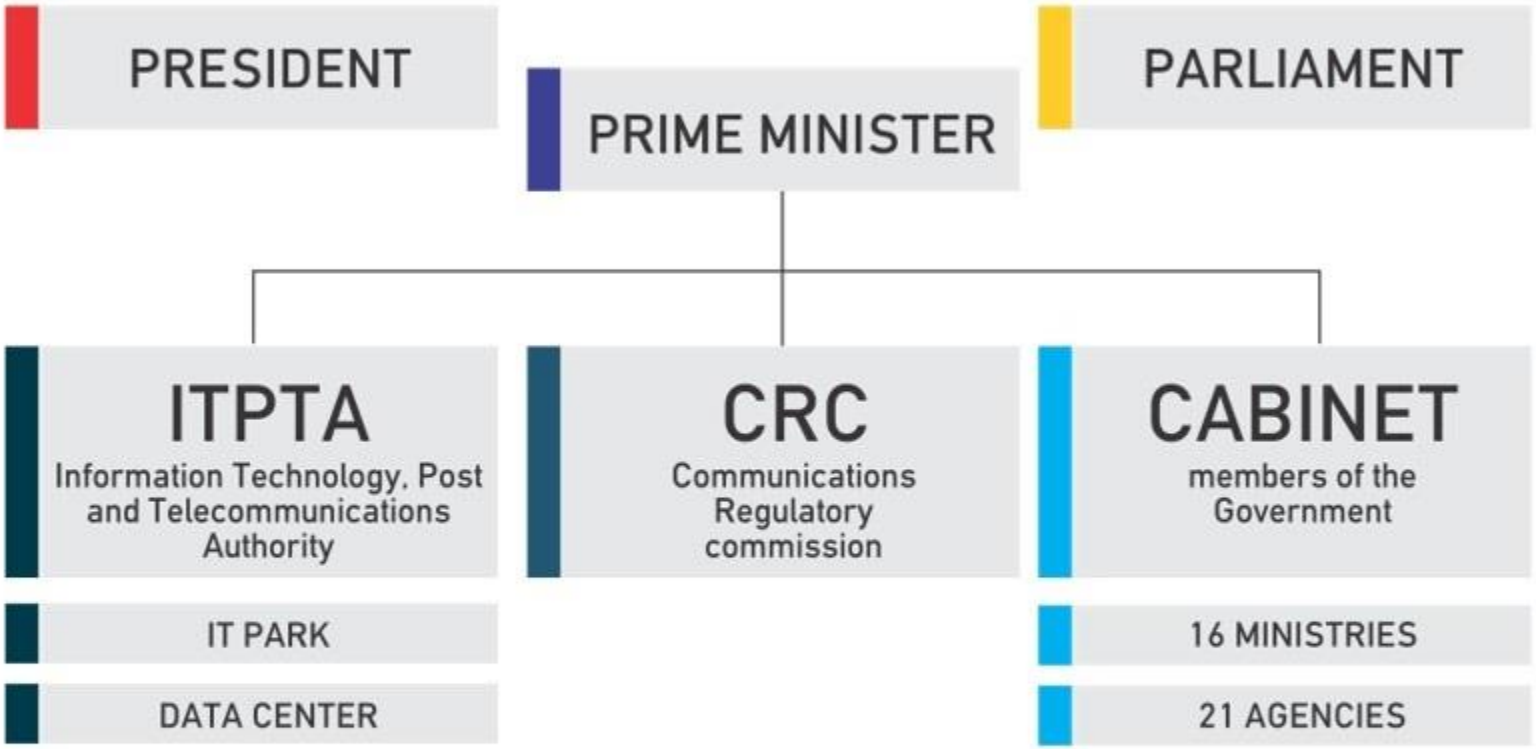
ECONOMY: Agriculture, Mining

MINERAL RESOURCES: copper, coal, molybdenium

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

2. ICT SECTOR ORGANIZATIONAL STRUCTURE AND WORLD RANK OF MONGOLIA



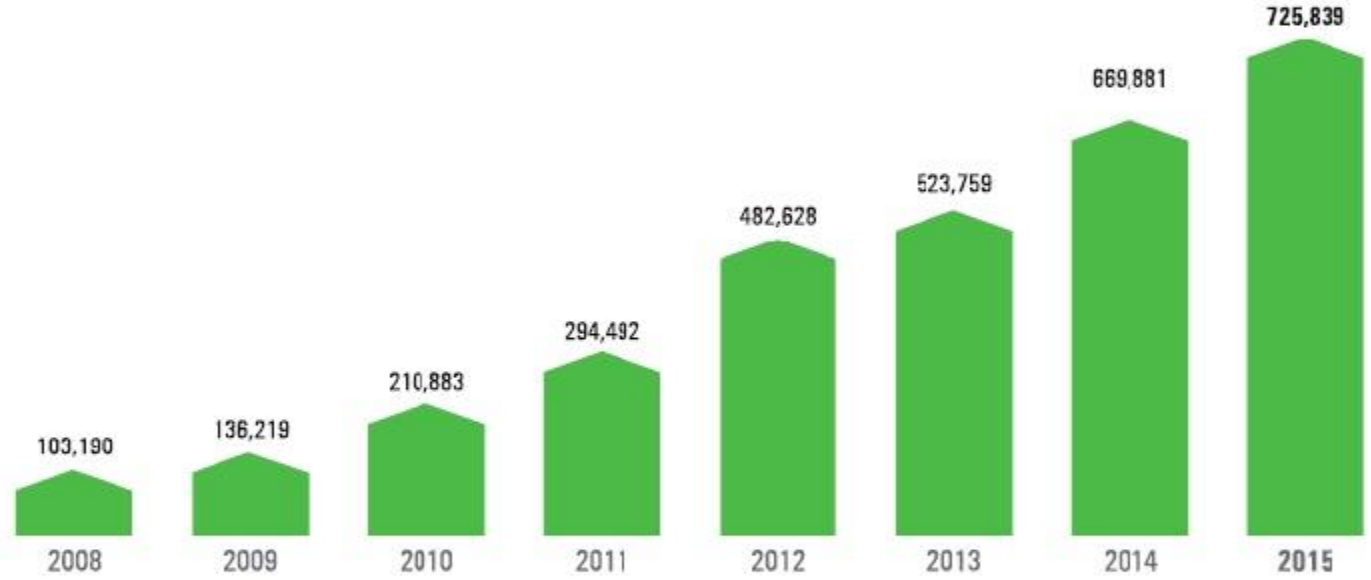
1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

STATISTICS OF RADIO AND TV BROADCASTING

NUMBER OF CABLE TELEVISION SUBSCRIBERS 2008-2015

(Registered subscribers)



Type	2008	2009	2010	2011	2012	2013	2014	2015
Cable	87,487	105,296	113,108	119,427	138,220	139,837	99,120	38,043
Satellite		3,000	58,349	113,072	225.055	238,729	321,178	328,260
MMDS	15,703	27,923	39,426	61,993	86.835	59,193	122,472	196,736
IPTV					32,518	86,000	127,111	162,800
Total	**103,190**	**136,219**	**210,883**	**294,492**	**482,628**	**523,759**	**669,881**	**725,839**

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

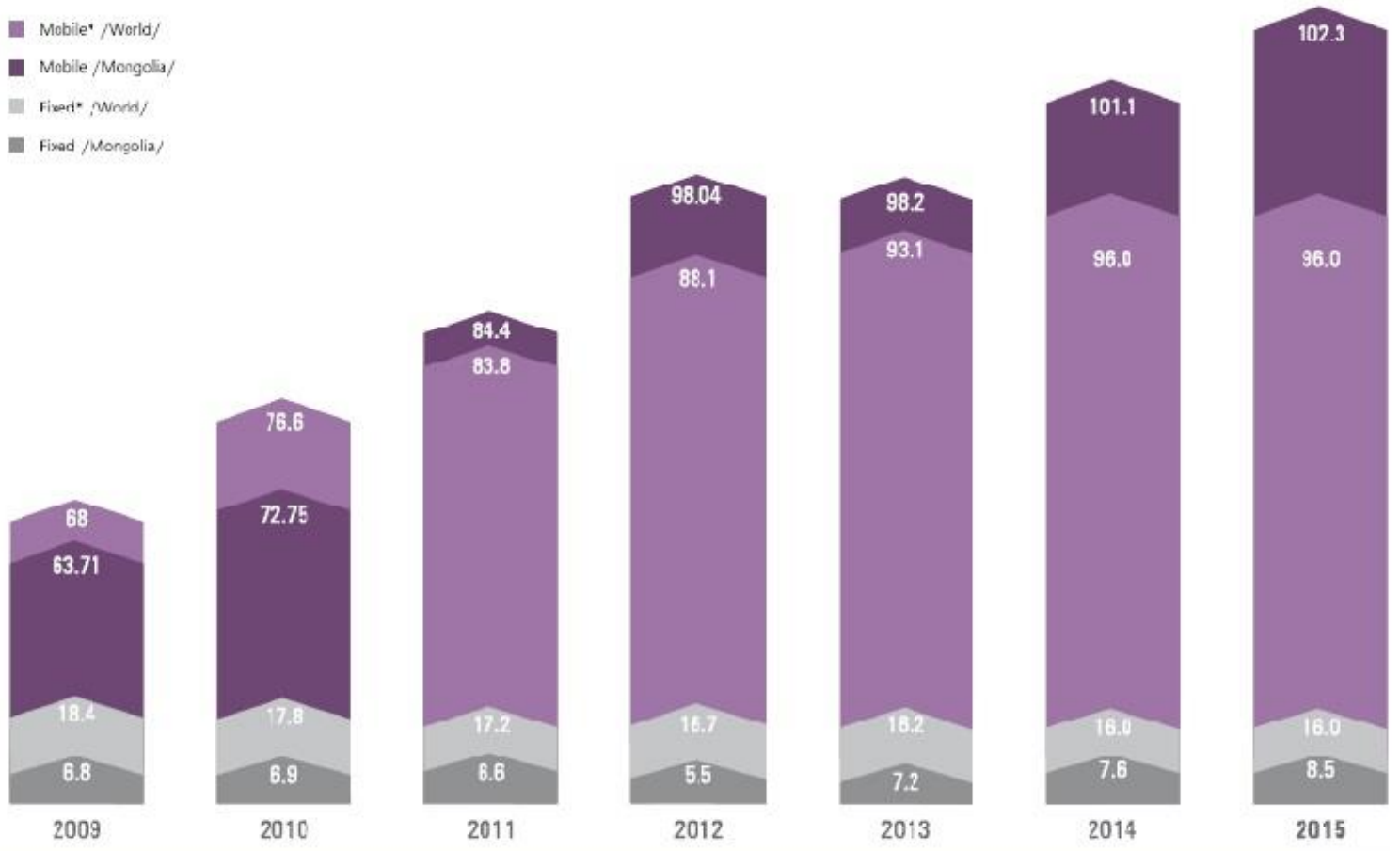
Communications Regulatory Commission of Mongolia. All rights reserved

7. STATISTICS OF ICT SECTOR OF MONGOLIA

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

MOBILE AND FIXED PENETRATON (%)

2008-2015



1 Country profile

2 ICT Sector organizational structure and World rank of Mongolia

3 Statistics of ICT sector of Mongolia

4 Legal environment and establishment of CRC

5 Mission and main responsibilities of CRC

6 Organizational chart (incl. RF Monitoring Center)

7 Foreign Relations

8 National Programs and Ongoing regulatory projects

9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

4. LEGAL ENVIRONMENT AND ESTABLISHMENT OF CRC

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

5. MISSION & MAIN RESPONSIBILITIES OF CRC

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

5. MISSION & MAIN RESPONSIBILITIES OF CRC

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

CRC REGULATES
/Law on Licensing Entities/

- Telecommunications
- TV and Radio broadcasting
- Content
- Spectrum Management and Monitoring
- Post
- Internet

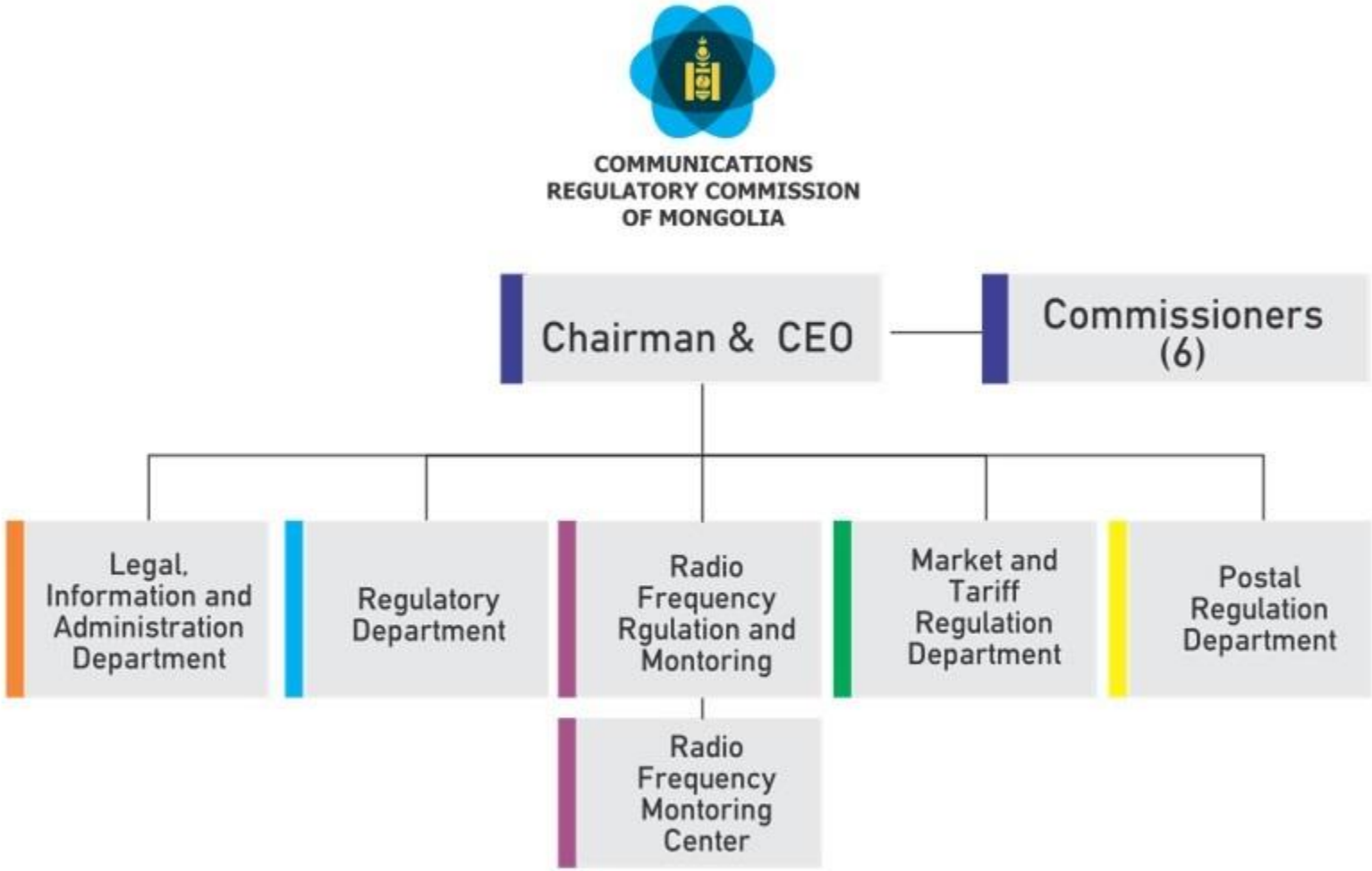
AUTHORITY OF CRC
/Law on Communication/

- To prepare a proposal of State Policy
- Licensing
- Certification
- Interconnection
- Tariff
- Competition
- Enforcement of USOF obligation
- Standardization
- Numbering
- Managing Radio Frequency Spectrum
- Settlement of Regulation and spectrum utilization fee
- Resolving disputes

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

6. CORPORATE ORGANIZATIONAL CHART



1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

7. FOREIGN RELATIONS

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

As member country-Mongolia: Participation of the international organization (UN, WTO, ESCAP, World Bank, ADB, ITU, UPU, APT, APPU) seminar and events;

Border Radio Frequency Coordination meeting with Russian Federation and China;

Lists of some international projects in Mongolia:

- Communications Regulatory Commission (CRC) of Mongolia and the International Telecommunications Union (ITU), Consulting project on Unified licensing, on-going;
- Smart-Government project, Cabinet Secretariat, World Bank, on-going;
- Post, Telecommunications Technology Authority (ITPTA), Communications Regulatory Commission of Mongolia, and KDDI Foundation, The APT J3 Project "ICT Development Programme for Supporting ICT Pilot Project in Rural Areas", 2015-2016. www.apt.int;
- Communications Regulatory Commission (CRC) of Mongolia and ITPTA, The International Telecommunications Union (ITU), Government of Australia and APNIC, "Transition from IPv4 to IPv6 in Mongolia", Report on June 2015, www.itu.int;
- Consultation project on Radio Frequency Spectrum Management Policy in Mongolia (KISDI, Korea, 2012-2013), www.kisdi.org;
- Communications Regulatory Commission of Mongolia, Information, Communications Technology and Post Authority (ICTPA), The World Bank Project ID-P092965: "Information and Communications Infrastructure Development Project", Report No: ICR2764, 2006-2013. www.worldbank.org;

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

8. NATIONAL PROGRAMS & ONGOING REGULATORY PROJECTS

NATIONAL PROGRAMS

- e-Mongolia
- Unified Registration System
- National Satellite
- Mailbox for every household
- Switch over television broadcasting to digital technology
- e-Government
- National Broadband Network
- Data Security

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

8. NATIONAL PROGRAMS & ONGOING REGULATORY PROJECTS

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

ON GOING REGULATORY PROJECTS

Preparation to implementation MNP

National Frequency Monitoring Project

Implementation of equipment type approval

1 Country profile

2 ICT Sector organizational structure and World rank of Mongolia

3 Statistics of ICT sector of Mongolia

4 Legal environment and establishment of CRC

5 Mission and main responsibilities of CRC

6 Organizational chart (incl. RF Monitoring Center)

7 Foreign Relations

8 National Programs and Ongoing regulatory projects

9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

9. FUTURE REGULATORY FRAMEWORKS & ACTIVITIES

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

IMPROVEMENT OF LEGAL ENVIRONMENT

- Amendment to Law on Licensing
- Amendment to Law on Custom (Parcel Issues)
- Amendment to Law on Communications
- Amendment to Law on Post
- Draft of Law on Broadcasting
- Draft of Law on Domain Name

REGULATORY GUIDELINES

- e-CRC project
  - -Database of license holders
  - -Database of statistic information
  - -Billing and accounting
- Investigation of unified licensing regime
- Amendment to "Requirement for Broadcast Service"
- Amendment to "Requirement for Content"
- Reform Proposal on "Regulation and Requirement for Voice Call Service"
- Regulation for Website

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

9. FUTURE REGULATORY FRAMEWORKS & ACTIVITIES

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

REGULATORY ACTIVITIES

RADIO SPECTRUM MANAGEMENT
- -4G/LTE
- -WiFi
- -DVB-T2

NETWORK REGULATION
- -Enforcement of Separation Policy
- -Regulatory Guideline
- -International transit (parket) service

TV BROADCASTING
- -IPTV
- -Cable Channel
- -Drafting Law on Broadcasting

CONTENT REGULATION
- -Amendment on License Requirement
- -Drafting Law on Domain Name

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

FUTURE REGULATORY FRAMEWORKS

IMPROVEMENT ON EFFICIENCY OF SPECTRUM UTILIZATION

-Re-farming Frequency (LTE)

-Frequency re-planning - National Monitoring of spectrum utilization

SUPPORT /ENDORSE/ FAIR COMPETITION

-Mobile number portability

-National roaming

-SKA (Sender keeps all)

LICENSING REGULATION

-Investigation of technology neutral unified licensing regime

MARKET RESEARCH, CONSUMER PROTECTION:

- Type approval

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

10. REGIONAL INITIATIVES FOR LCDs, SIDS AND LANDLOCKED COUNTRIES

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

Regional Initiatives: Dubai action plan 2015-2017, ITU (To provide special assistance to LCDs, SIDS and landlocked countries in order to meet their priority ICT requirements); There are 32 countries classified as landlocked developing, 16 of which are located in Africa, 10 in Asia, 4 in Europe and 2 in Latin America.

- **To enhancing of multi-stakeholder dialogue and increase partnerships** (Ministeral Forum, conference, and strengthening of partnerships with APT, PITA, World Bank, ADB, APNIC);
- **To support the improvement of national/sub-regional ICT policy & regulatory framework** (unique ICT needs and challenges for LDCs, SIDS and landlocked developing countries);
- **To implement special program/projects and assistance** (ITU, APT, ITU-ADB, Japan, USAID);
- **HRD and Capacity building**;

UN-Mongolia: International Think Tank (ITT) for Landlocked Developing Countries (ITT-LLDC) in Ulaanbaatar, Mongolia, www.land-locked.org;

1 Country profile
2 ICT Sector organizational structure and World rank of Mongolia
3 Statistics of ICT sector of Mongolia
4 Legal environment and establishment of CRC
5 Mission and main responsibilities of CRC
6 Organizational chart (incl. RF Monitoring Center)
7 Foreign Relations
8 National Programs and Ongoing regulatory projects
9 Future regulatory frameworks and activities

Communications Regulatory Commission of Mongolia. All rights reserved

COMMUNICATIONS REGULATORY COMMISSION OF MONGOLIA

T.Naranmandakh (Ph.D.)
General-Secretary
Office of the Chairman and CEO
Communications Regulatory Commission
Metro Business Center, 5 Floor
Sukhbaatar District, Ulaanbaatar 14201
MONGOLIA
naran@crc.gov.mn, web: www.crc.gov.mn

THANK YOU FOR YOUR ATTENTION

Communications Regulatory Commission of Mongolia. All rights reserved