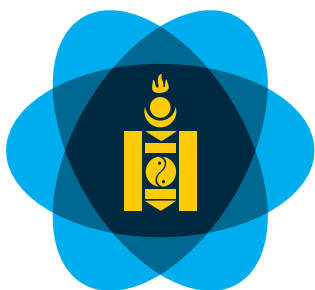




ICT STANDARDIZATION POLICY AND FRAMEWORK IN MONGOLIA



COMMUNICATIONS
REGULATORY COMMISSION
OF MONGOLIA

Mr. Ts. Chuluunbat

Type Approval Officer

Radio Frequency Regulation and Monitoring Department
Communications Regulatory Commission of Mongolia

Email: chuluunbat@crc.gov.mn

Cell: +(976) 9900 6563

Fax: +(976 11) 327720

Web: www.crc.gov.mn

**Country
overview** ▶

Terrain

about
CRC

Organizational
chart

National Standardization
System

Cooperation

Standard elaboration
process

Types of ICT Standards

ICT Sector
Standardization

Future plan
objectives

POPULATION

2.9 MLN

- 65% UNDER AGE 30
- 42 TIMES LESS THAN THAILAND (65 MLN)

**NORTHEAST
ASIA**

BETWEEN
RUSSIA
&
CHINA

LOCATION



GDP PER CAPITA

5400 USD
2012

GDP GROWTH RATE

12.7%
ANNUAL

Country
overview

Terrain

about
CRC

Organizational
chart

National Standardization
System

Cooperation

Standard elaboration
process

Types of ICT Standards

ICT Sector
Standardization

Future plan
objectives

FOREST



STEPPE



GOBI DESERT



MOUNTAIN



Country
overview

Terrain

**about
CRC** ▶

Organizational
chart

National Standardization
System

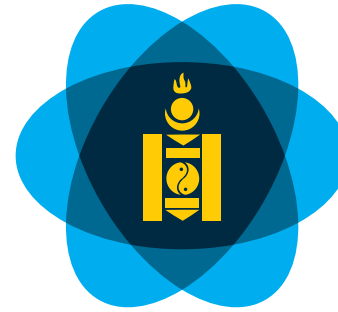
Cooperation

Standard elaboration
process

Types of ICT Standards

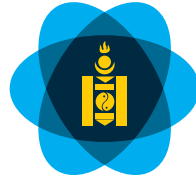
ICT Sector
Standardization

Future plan
objectives



**COMMUNICATIONS
REGULATORY COMMISSION
OF MONGOLIA**

- **Converged regulatory body**
- **In charge of regulate:**
 - Radio
 - Telecom
 - Broadcasting
 - Internet
 - Postal services
 - Conformity Assessment
- **The CRC's jurisdiction covers entire region of Mongolia.**



COMMUNICATIONS
REGULATORY COMMISSION
OF MONGOLIA

**Country
overview**

Terrain

**about
CRC**

**Organizational
chart** ▶

**National Standardization
System**

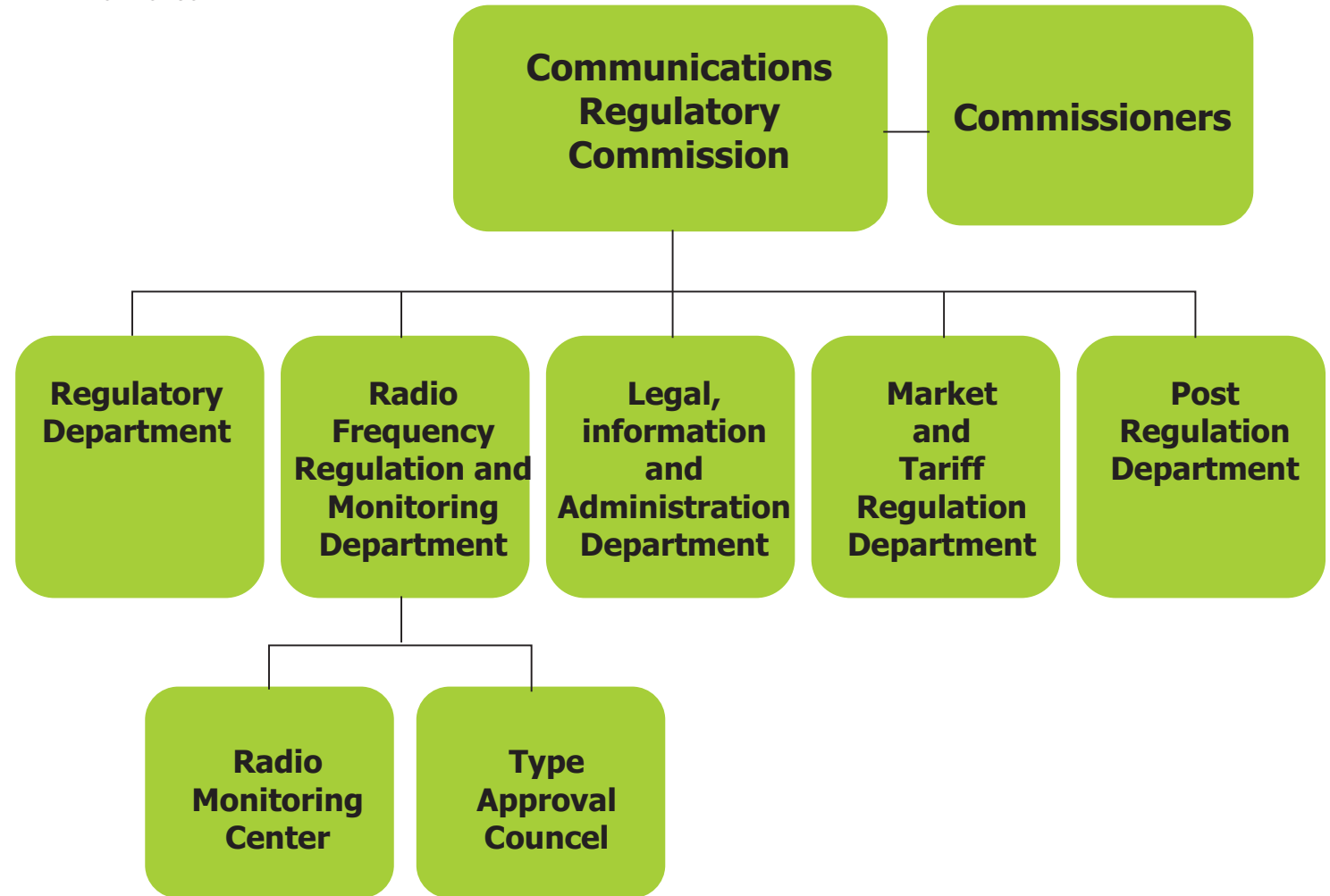
Cooperation

**Standard elaboration
process**

Types of ICT Standards

**ICT Sector
Standardization**

**Future plan
objectives**



Country
overview

Terrain

about
CRC

Organizational
chart

**National Standardization
System**

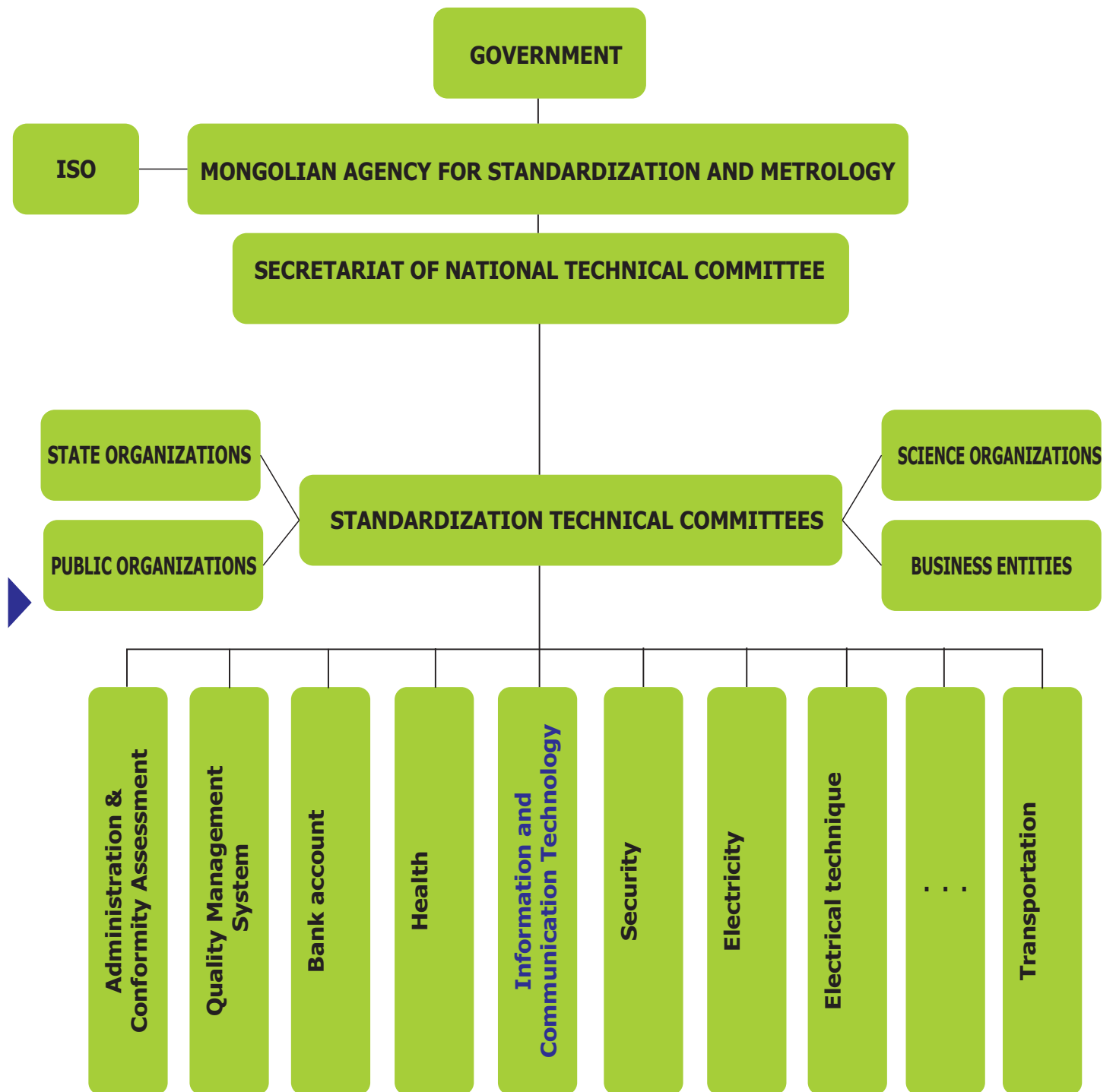
Cooperation

Standard elaboration
process

Types of ICT Standards

ICT Sector
Standardization

Future plan
objectives



Country
overview

Terrain

about
CRC

Organizational
chart

National Standardization
System

Cooperation ▶

Standard elaboration
process

Types of ICT Standards

ICT Sector
Standardization

Future plan
objectives

CRC

**Standard
elaboration
process**

**MONGOLIAN AGENCY
FOR STANDARDIZATION
AND METROLOGY**

SCIENTISTS

**PUBLIC
ORGANIZATION**

OPERATORS

**Country
overview**

Terrain

**about
CRC**

**Organizational
chart**

**National Standardization
System**

Cooperation

**Standard elaboration
process**

Types of ICT Standards

**ICT Sector
Standardization**

**Future plan
objectives**



-
- **Determine standards**
 - **Select standard developer**
 - **Expertise the elaborated standards**
 - **Have analyses and comments**
 - **Have recommendations from Science and technical council**
 - **Have approval from Technical committee on ICT**
 - **Have an approval from (MASM)**
 - **Publish standards as MNS**

**Country
overview**

Terrain

**about
CRC**

**Organizational
chart**

**National Standardization
System**

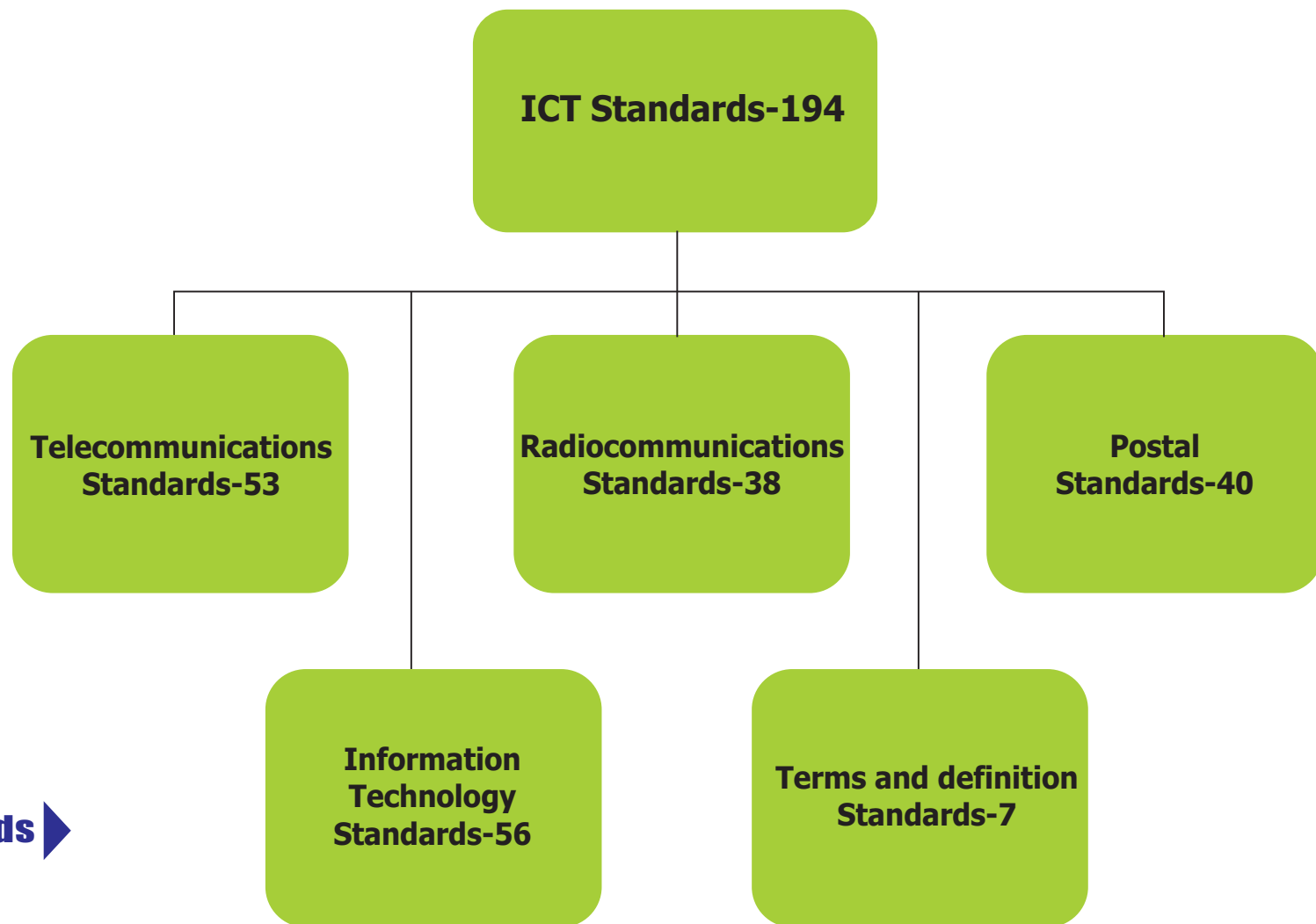
Cooperation

**Standard elaboration
process**

Types of ICT Standards ▶

**ICT Sector
Standardization**

**Future plan
objectives**



**Country
overview**

Terrain

**about
CRC**

**Organizational
chart**

**National Standardization
System**

Cooperation

**Standard elaboration
process**

Types of ICT Standards

**ICT Sector
Standardization** ▶

**Future plan
objectives**



- **1979-1989**
Communication production and Science Institute elaborate -50 standards (most of them revised)
- **1990-2001**
Stagnation of ICT sector's standards elaboration process
- **Since 2001**
CRC is responsible for national ICT sector standardization-140
- **2013**
DVB-T2, DVB-C2, DVB-S2
Fixed wireless, SRD, Land mobile communication equipment-15

**Country
overview**

Terrain

**about
CRC**

**Organizational
chart**

**National Standardization
System**

Cooperation

**Standard elaboration
process**

Types of ICT Standards

**ICT Sector
Standardization**

**Future plan
objectives** ▶



ITU EXPERTISE ASSISTANCE

APPLICABLE STANDARDS (EMC, RF, HEALTH & SAFETY)

ICT EQUIPMENTS UNDER COMPULSORY WITH

REFERENCES RELEVANT STANDARDS

CERTIFICATION SYSTEM

DOCUMENT

TECHNICAL SPECIFICATIONS,

TECHNICAL REQUIREMENTS

STANDARDS



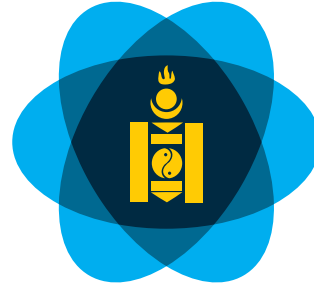
OBJECTIVES

DEVELOP AND IMPLEMENT AN INTEGRATED POLICY

AND GUIDELINES

CREATE DATABASE OF STANDARDS

INCREASE COOPERATION



COMMUNICATIONS
REGULATORY COMMISSION
OF MONGOLIA

Thank you for your attention