

RADIO FREQUENCY SPECTRUM REGULATION IN KAZAKHSTAN

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REPUBLIC OF KAZAKHSTAN





- Capital: Astana
- Territory: 2,724,900 sq.km (9th)
- Population: 20,286,084 (65th)
- Shares land borders with Russia, China, Uzbekistan, Kyrgyzstan and Turkmenistan



 Landlocked status makes international coordination essential for effective spectrum regulation

NATIONAL REGULATORY FRAMEWORK

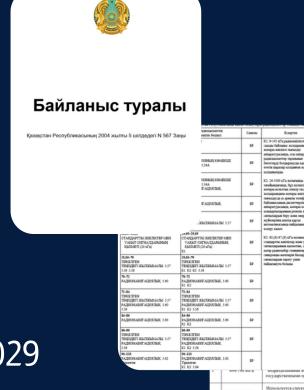
The Law «on Communications»

National Table of Frequency Allocations

Prospective Spectrum Use Plan for 2024-2029

Rules on Frequency Assignments and Usage

Rules for Spectrum Reallocation (project)



LAWS AND

REGULATIONS

NATIONAL APPROACH TO SPECTRUM REGULATION







National priorities



• Strong emphasis on meeting the economic and social needs of the country

International harmonization



 Harmonization with the ITU Radio Regulations

International coordination



- Coordination of frequency assignments
- Experience sharing in spectrum management

COORDINATION OF TERRESTRIAL SERVICES

• Kazakhstan coordinates terrestrial spectrum assignments with Russia, China, Kyrgyzstan, Uzbekistan, Turkmenistan, Azerbaijan (via the Caspian Sea), Mongolia, and Tajikistan

















• Coordination of terrestrial services is conducted based on:



RR provisions



RCC Recommendations



Bilateral agreements

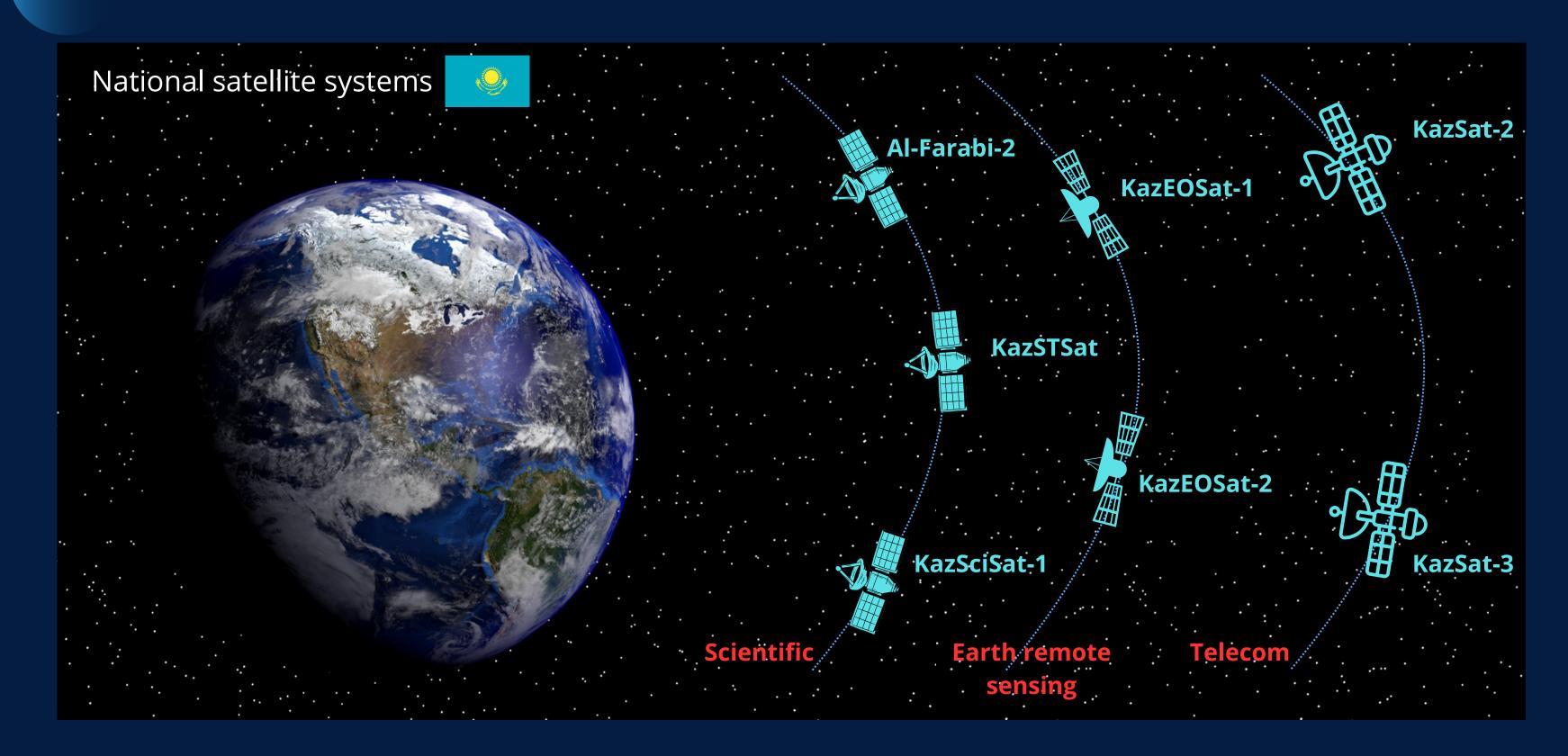


ITU GE06 Agreement

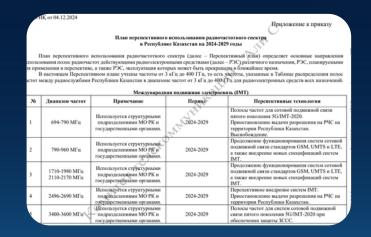


ITU GE84 Agreement

COORDINATION OF SPACE SERVICES



SPECTRUM PLANNING



PROSPECTIVE SPECTRUM USE PLAN FOR 2024-2029

- identifies priority areas for spectrum use
- reallocation of frequency bands
- developed in line with ITU decisions



IMT



FIXED SERVICE



SATELLITE SERVICES



BROADCASTING



SRD APPLICATIONS

IMT DEVELOPMENT IN KAZAKHSTAN

Objective: to ensure broadband access for the entire population of Kazakhstan

5G auction 2022

TELE2



3600 MHz 3700 MHz 3800 MHz

3500

5G BS in 20 cities by 2025



99%

IMT in rural settlements by 2027



40,000 km

IMT coverage for major roads by 2027



1,000

upgrade 3G to 4G in rural areas by 2027



INTERNATIONAL ACTIVITIES





International Telecommunication Union (ITU)





Regional Commonwealth in the field of Communications (RCC)

THANK YOU!

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