















![](_page_4_Figure_0.jpeg)

![](_page_4_Figure_1.jpeg)

![](_page_5_Figure_0.jpeg)

![](_page_5_Picture_1.jpeg)

![](_page_6_Figure_0.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_7_Figure_0.jpeg)

NGN Technical means	NGN Functionality
Call Session Control System  Andia Cotaway Controllor (MCC)	
reula Galeway Contioner (MGC)	\$3, \$7, \$9, \$10, \$12
	T10, T11, T12, T13
Proxy Server SIP (PS)	\$2, \$3, \$7, \$11, \$12
	T10, T11, T12, T13
P Multimedia Subsystem (IMS)	\$1, \$3, \$6, \$7, \$8, \$10, \$12, \$13
	TI0 TI1 TI2 TI3 TI4 TI5 TI6 TI
Aedia Gateway (GW)	
analing Geterway (SG)	T7, T8
Ignaning Gateway (SG)	T8, T9
ransport Network Environment (INE)	T5, T6, T8
pplication servers	
pplication Server (AS)	\$4, \$5, \$6, \$14, \$15
fedia server (MS)	S4, S5, S6, S14, S15
Aessaging Server (MeS)	S4 S5 S6 S14 S15
Annagement and hilling system	
Annagement System (MS)	<ul> <li>error processing management</li> </ul>
Billing system (BS)	<ul> <li>equipment configuration management</li> </ul>
	<ul> <li>bling system management</li> <li>service management</li> </ul>
	<ul> <li>security management</li> </ul>
access Environment	
IGN Integrated Access Devices (NGN-AD)	T2, T4, T3, T5, T15, T14
Aedia gateway for Legacy Terminal Equipment	T1, T2, T3, T4, T5

![](_page_8_Figure_0.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_9_Figure_1.jpeg)

![](_page_10_Figure_0.jpeg)

## Project for regional Testing Centre Project description

In this project, the **ITU** and **ZNIIS** start to cooperate for creation of the **International Telecommunication Testing Centre (ITTC)**, operating in an environment of new technologies, and training for professionals from developing countries in the field of telecommunications. Methodical testing of next-generation networks (NGNs), in particular, planning realized in ITTC through the creation of a model network, through which enables simulation of various network parameters and use a variety manufacturers equipments. The results of these tests will be documented and disseminated.

This project is developed in strict accordance with the recommendations of the 2006 Qatar World Telecommunication Development Conference (WTDC), establishing the International Centre for NGN Testing.

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![](_page_11_Figure_0.jpeg)

![](_page_11_Figure_1.jpeg)

![](_page_12_Figure_0.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_13_Figure_0.jpeg)

## The common directions of the ITTC development

- Development of recommendations on telecommunications development strategy with national strategies for RCC operators networks
- Develop standards for system-network solutions, protocols and services for operators of RCC operators networks
- Develop recommendations to ensure quality of service and principles of formation of service level agreements on RCC operators networks
- Research of NGN Information Security for RCC operators

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![](_page_13_Figure_7.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_16_Picture_0.jpeg)

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![](_page_17_Picture_0.jpeg)

## Resume on implementing ITTC activities

**Reducing of digital gap by sharing experience of** introduction and maintenance of new technologies, implemented on the operators networks from developed countries, on the worldwide telecommunication market

Using ITTC as the effective mean of gathering experience and consolidation of high-level specialists and experts in the field of introductions, testing, standardization and maintenance of new telecommunication technologies

Performance of regional initiatives and private initiative projects for network operators in part of development qualifying standards, which determine entire approaches and rules in part of introduction of new technologies on the operator networks

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![](_page_17_Figure_6.jpeg)