



Министерство связи  
и массовых коммуникаций  
Российской Федерации

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UN ESCAP AT-IS  
Working Group

## Digital Diversity Accessibility of Modern Communications

Ministry of Telecom and Mass  
Communications of the Russian Federation

Alexander Dodulad



Geography – key factor which causes Digital Diversity  
11 time-zones, 10 000 km long, 4 000 km wide



Total area: 3 000 000 km<sup>2</sup>  
Population: 1 000 000  
Density: 0,33 p/km<sup>2</sup>  
Rural inhabitants: 35%

Low density  
Ultra-high distances  
Poor infrastructure



**64%**

**Accessibility  
of Broadband**  
(Households)

**40%**

**Accessibility  
of LTE**  
(Residents)



WORLD BANK

“Russia has made tremendous improvements in the last few years, and its broadband infrastructure is getting closer to those of other global leaders”

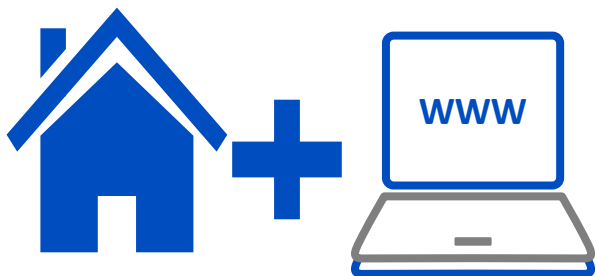
— World bank



Households, %

Urban

Rural



70,2

45,1



## Access Points



**13 807**

WiFi

ETH, FTTx

(min 10 Mbps)



Total number of settlements (250-500) – 13 807, 5 000 000 inhabitants

All settlements connected by fiber-optic lines

+ “en route” settlements (500+) – 18 526, 25 000 000 inhabitants



1

Technology neutrality

Fast 3G / 4G networks roll-out

2

Network sharing

Reduced CAPEX and OPEX

3

Spectrum sharing

More bandwidth, improved quality

4

Frequency fees optimized

Network growth stimulation

5

Simplified radio equipment registration

Easy entry into operation

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_4127](https://www.yunbaogao.cn/report/index/report?reportId=5_4127)

