



Russian Satellite  
Communications Company

# Broadband & Satellite Russia Newsletter

*No 32*

*May 18–31, 2012*



Russian Satellite  
Communications Company

45  
*years*



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# Contents

<b>Express-MD2 ready for launch. . . . .</b>	<b>.4</b>
<b>Reliable MegaFon in the center of Moscow . . . . .</b>	<b>.4</b>
<b>Radio without satellite . . . . .</b>	<b>.4</b>
<b>RSCC goes to Africa . . . . .</b>	<b>.5</b>
<b>MegaFon deployed 4G in Sochi . . . . .</b>	<b>.5</b>
<b>LTE under reservations. . . . .</b>	<b>.5</b>
<b>About Us. Contacts . . . . .</b>	<b>.7</b>

## ❖ Express-MD2 ready for launch

Advanced spacecraft Express-MD2, manufactured by The Khrunichev Space Center in cooperation with Thales Alenia Space under order of Russian Space Communications Company, will be launched on July 10

together with the Indonesian spacecraft Telkom 3. The planned orbital position of MD2 is 145 degrees East longitude. The spacecraft is delivered to the Baikonur Cosmodrome and is ready for launch. ❖

## ❖ Reliable MegaFon in the center of Moscow

The Moscow branch of MegaFon (the second largest operator in terms of subscriber base in Russia) installs new base stations to provide more reliable 2G and 3G coverage. The operator integrated more than 100 base stations on the territory of Moscow and the Moscow region during the past two weeks. The Press Service of the operator reported that the Moscow branch of MegaFon provided

subscribers with online access over 3G networks at the medium speed of about 2.9 Mbit/s and stable reception of voice communication. A stable speed of mobile Internet services in Moscow could be evaluated by visitors of tourist places in the city center. New base stations were also mounted in the towns and villages of the Moscow Region. ❖

## ❖ Radio without satellite

The Federal State Unitary Enterprise “Scientific and Research Institute of Radio” (NIIR) is exploring the possibility to use the frequency of 2350-2360 MHz for satellite direct digital audio broadcasting. However, it is not clear how to create a system – the Russian satellite operators are not interested in providing capacity for the project. This was reported by Deputy Director of Research and Development Center of Electromagnetic Compatibility Analysis at NIIR Igor Guryanov at the conference

“The telecommunications modernization strategy in the regions of Russia” at the Exhibition Svyaz-Expocomm 2012. According to the decision № 12-14 of the State Commission for Radio Frequencies (SCRF) issued on March 16, 2012, the agency recommended NIIR in cooperation with the interested operators to develop conditions for introduction of satellite direct digital audio broadcasting system in the band 2350-2360 MHz. However, no interested operator is found. ❖

## ❖ RSCC goes to Africa

The expansion is planned by launching spacecrafts “Express-AM6,” “Express-AM7” and “Express AM8.” RSCC has already negotiated with several companies in the North Africa on the lease of the resource on these boards.

“Much of the capacity of the spacecrafts, which RSCC plans to launch in 2013-2014, could be used to provide television broadcasting

and communications services in the Maghreb countries (countries located to the west of Egypt), the Middle East, and the South Africa” – the company reports. The potential market size of satellite communications in Africa is estimated by analysts at \$ 72 billion. In the next five years the market will grow by 40%, particularly due to digitalization of television broadcasting.

## ❖ MegaFon deployed 4G in Sochi

MegaFon was the first mobile operators of the Big Three to launch 4G network in the LTE standard in the capital of Russia’s first Winter Olympics – Sochi. The Press Service of the operator reported that 4G Internet access at high speeds is already available in the areas of Sochi, where the main social, administrative and resort facilities are located. 4G Internet by MegaFon is also available to mobile users in the highlands of the resort village of Krasnaya Polyana, where

the Olympic venues of the Mountain Cluster for the Winter Olympics are located. MegaFon, the general partner of the Olympic and Paralympic Games 2014 in Sochi, has provided mobile communication services for more than 90% of all Olympic venues. “By deploying 4G (LTE) networks in Sochi, we provide our customers with a new level of service and infinite possibilities of high-speed mobile Internet”, – said Ivan Tavrin, CEO of MegaFon.

## ❖ LTE under reservations

The Federal State Unitary Enterprise “Scientific and Research Institute of Radio” (NIIR) completed research of GSM and LTE networks compatibility at 1800 MHz, and the result confirmed that the networks of these standards can work in the same frequency band without interference, even without guard band. However, the officials of the Ministry of Telecom and Mass Communications of Russia insist on the introduction of guard bands and technical constraints for LTE network in this range.

It was reported by the Head of the State Commission for Radio Frequencies (SCRF) Yuri Zhuravel at the IV International Business Forum “The evolution of mobile networks – LTE Russia & CIS 2012”. “The SCRF will consider this issue at one of the first meetings in autumn, – said Yuri Zhuravel. – To avoid damaging the existing communication in the range of 1800 MHz, the unified conditions should be established for operators to guarantee the quality of the provided services”.



International Conference

# Professional & critical communication 2012

Professional corporate communications

Organizer:



Supported by:



Media Partners:



September 26–27, 2012

Holiday Inn Moscow  
Sushevsky

Russia, Moscow,  
Sushevsky Val, 74



## Key topics of the Conference:

Professional mobile & critical communication market in Russia. Current state and prospects

The role and influence of the State on the PMR market as a service consumer

Production of PMR equipment in the Russian Federation

Use of GLONASS satellite navigation technologies in PCS for control and coordination.

Wireless broadband technologies and cognitive radio systems development for effective supply of social security and network in emergency situations.

Migration strategies from current analogue radio systems to semi-digital and fully-digital solutions

Offering PMR services to corporate and departmental clients in existing cellular networks

PMR, LTE and WiMax combining possibilities to guarantee the best communication solutions

Is it possible to replace TETRA with LTE? What are the obstacles?

Next generation situational centers

Modern cloud technologies for situational centers and control points

Interaction of network operators with unified alert and control services on the passage of calls to the unified number "112"

Construction and control of the distributed call centers

Municipal, regional and federal support of decision making information systems of special reaction

Network services organizations and offers to government and security structures at the Winter Olympics 2014 in Sochi.

Radio communication basic development trends for emergency operating services of fast response and public safety

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## About Us

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ComNews is the major Russian publisher of business periodicals in the ICT industry and the main worldwide supplier of unbiased accurate information about the Russian ICT business.

ComNews has launched numerous projects in order to deliver unbiased, up-to-date and complete information about the Russian ICT industry across the former USSR countries and worldwide.

ComNews publishes business periodicals, provides companies with exclusive content, studies the market, and holds business events.

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500 clients including major Russian and international ICT companies

over 20 [\*Industry Conferences\*](#) hosted by ComNews

14 years in the market, offices in Moscow and St. Petersburg

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