

Russian Satellite
Communications Company

Broadband & Satellite Russia Newsletter

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Russian Satellite
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The World is United
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❖ Russia's leading satellite TV neighbourhood at 36° East reaches record audience and prepares for new growth

RSCC (the Russian Satellite Communications Company) and Eutelsat Communications (Euronext Paris: ETL) today announced that Astrium has been selected to build the Express-AMU1/EUTELSAT 36C satellite that will be launched in 2015 to provide follow-on and expansion capacity for the EUTELSAT 36A broadcast satellite operating at 36° East.

Express-AMU1/EUTELSAT 36C will be a state-of-the-art high-capacity satellite with up to 70 transponders. It will provide coverage for

broadcast services in the European part of the Russian Federation in Ku and Ka bands, and ensure service continuity and growth for broadcast markets developed by Eutelsat in sub-Saharan Africa. Its dual-band design is set to transform the broadcasting infrastructure at 36° East into a broader system to support more television services and IP-based interactive services to accompany the development of Russia's digital entertainment market. ❖

❖ Russian LTE forum

The 5th International business forum LTE Russia & CIS' 2013 (www.comnews-conferences.ru/lte2013) will be held in Moscow, May 28-29, under the aegis of 3GPP with the participation of government institutions playing a key role in the implementation of the new technology: Russia's Ministry of Defense, Federal Antimonopoly Service (FAS) and Federal Agency of Communications (Rossvyaz). LTE Russia & CIS' 2013 will be inaugurated by a representative of Rossvyaz. Next, Andrey Vysochin from an R&D establishment with the Ministry of Defense will present a report entitled "Ways of radio spectrum conversion in Russia for LTE broadband mobile networks", and Head of FAS Department for Control over Transport and Communications Dmitry Rutenberg will talk about enabling fair competition in the LTE market.

LTE Russia & CIS' 2013 is Russia's only 4G conference supported by the global technology trendsetter –the 3rd Generation Partnership Project (3GPP). At the end of the first day of the forum, head of 3GPP Mobile Competence Centre Adrian Scrase will host a panel "LTE ecosystem in Russia". LTE Russia & CIS' 2013 obtained support from the international and Russian industry leaders. Sponsors of the conference include international vendors such as Huawei, Qualcomm, Alcatel-Lucent and Ericsson, leading global telecom investor Telenor Group, and etc. Also, Russia's principal LTE forum is supported by the Global Mobile Suppliers' Association (GSA), Russian LTE Union, Association of Regional Communications Providers (AROS) and etc. ❖

❖ **Moscow Metro scaled back its ambitions**

ComNews

The Moscow metro will announce another tender for Wi-Fi before the end of July. This time, the conditions of the tender will make allowance for feedback from service providers. Previously, the tender was put off three times due to a lack of bids, as the providers weren't satisfied with the proposed terms and conditions.

The Moscow Government's IT department communicated that the primary change in the tender terms is that they would eliminate the

\$29 million financial obligation as to the construction of a communication network in the metro. According to the conditions of tenders failed earlier, the Wi-Fi network in the metro would cost a would-be winner almost \$ 180 million. In exchange, the provider would get a discount on placing their own networks in the metro. ❖

❖ **GLONASS in the Moscow buses**

TASS-Telecom

The first nine buses equipped with GLONASS system will hit the city streets this July and will replace old minibuses. GLONASS will help to improve the route network and reduce waiting time for a bus during rush hour almost by half. Bus fare won't be different from standard local tariffs. According to Moscow's Transport Department, they have already completed the tendering process for the organization of a pilot route

№22, equipped with GLONASS. The winner of the tender was a subsidiary of major Moscow transport operator "Autoline". The authority specified that the contract with service provider will be concluded for a five-year period and worth 441 million rubles (about \$14.2 million). One of the conditions of the tender was the provision of new low-floor and large capacity buses. ❖

❖ **The court postponed LTE**

ComNews

Moscow District Federal commercial court postponed the hearing of an appeal against the ruling of the Ninth commercial court of appeal which had invalidated the decision of State Commission for Radio Frequency to grant "Scartel" LLC (Yota brand) the 2.5-2.7 GHz band for LTE.

In February, the Ninth commercial court of appeal partially upheld the claim of a Volgograd-based MMDS " Electronic Radio Optical Systems" (EROS) and deemed illegal the decision of the State Commission for Radio Frequency to grant "Scartel" LLC (Yota brand)

the 2.5-2.7 GHz band. The court concluded that allocation of radio frequencies without tendering process constituted "illegal preferences". The court held that "Scartel" must be dispossessed of the band allocated to it for building LTE network.

In March, "Scartel", Ministry of Communications and Mass media and State Commission for Radio Frequency lodged an appeal against this ruling. However, Moscow district Federal commercial court postponed hearings after it had become known that two more appeals had been filed by "Summa Telecom" LLC and "EROS" LLC. ❖

❖ **Broadband services for the army**

Izvestia

Russia's Ministry of Defense is testing an on-the-move wireless unit with total transfer capacity over 300 Mbit/s for air defense purposes. Tests will start in July in the Moscow region. WiMAX-based wireless unit operating on 2.0-2.1 GHz was developed by Russian manufacturer "Micran". It can support a broadband wireless network of up to 200 users, with data transfer speed of up to 37Mbit per each user. The unit is mounted

on a truck and is equipped with a 32-meter mast. According to a communications officer participating in the project, on-the-move wireless unit allows forwarding data such as target position and parameters from radar locators, air defense missile systems and air surveillance radars, and secure communication on the level of the Joint Staff and a missile battery. The first units should be implemented by the military forces next year. ❖

❖ **Five-star TV in Moscow**

ComNews

"Moscow City Telephone Network" (MGTS) has provided optical GPON-based (Gigabit-capable Passive Optical Network) IPTV to 8 central Moscow hotels the Ritz Carlton, the Golden Ring, Hilton Leningradskaya, the Danilovskaya, "Alrosa na Kazachiem", the Budapest, Blues Hotel, Hotel de Paris. According to the company, all hotels were connected to digital television services using the technology

which enables data transfer rate up to 1 Gb/s and allows using high quality television and high speed Internet regardless of day part and network load. A customized package of channels from MTS featuring more than 100 popular news, film and educational TV channels in Russian, English, German, French, Italian, Spanish and other languages was offered to each hotel. ❖

❖ **LTE frequency is not for everyone**

Kommersant

The State Commission for Radio Frequency (SCRF) will not consider allocation of 1900-1920 MHz and 1980-2000 MHz bands to Antares Group owned by Evgeny Roitman so that the latter could build a federal LTE (4G) network. The authority may commission a background study on this resource and then tender it.

At its next meeting May 24th, the SCRF may request the Federal Supervision Agency for IT and Communications to analyze

1900-1920 MHz and 1980-2000 MHz spectrum occupancy and identify bands available for LTE, and also 1785-805 MHz band –for NG1 and LTE. Besides, the Radio Research and Development Institute will be entrusted with a task to identify the minimum band per communications provider. The results of these works must be delivered by November 1st, and until then these frequencies may be frozen. ❖

GS Group for the third world


ComNews

Owners of the Russian holding company General Satellite, a leading manufacturer of receivers for digital broadcasting and a major player in federal television and radio broadcasting projects have established GS Group holding to enhance their business efficiency in the international markets. Katerina Gamadjan, GS Group Strategic Marketing Director, emphasized that the recession of 2008 stimulated the holding company to adopt a new strategy focused on in-house production and international operations.

“We identified three major lines: implementation of our own broadcasting projects, development of in-house production and investment into technological innovation in production”, said Katerina Gamadjan. The “first fruit” of General Satellite in the international market was One TV in Cambodia launched in 2012 by GS Group in collaboration with local company the Royal Group. The

company intends to connect about 500 thousand consumers over 4-5 years.

GS Group Foreign Projects Director, Sergey Dolgopolsky, communicated that GS Group is planning to expand into five markets, including Pakistan, where a representation office was opened last year in the country’s capital Islamabad. Other prospective markets, according to Dolgopolsky, include Bangladesh and Indonesia, along with Africa’s English-speaking countries and Latin America, in the long run. “In the next 5 years, we are planning to acquire about 10 million subscribers across all these locations and even pass this mark”, Dolgoposky said about company’s plans.


To enhance production, in 2008 GS Group implemented “Technopolis GS”, based in Gusev, Kaliningrad region – the most western part of Russia. 

Rascom has implemented 100G

ComNews

Russian backbone operator Rascom has enhanced its network linking Russia to the Western Europe up to 100G. Vitaly Kireev, Rascom General Director, seems satisfied: “We have increased the network capacity by 2.5 times without interrupting ongoing services, this will allow Rascom to continue meeting our customers’ needs.”

Aid to the CEO of another backbone carrier – TransTelecom – Vitali Shubin commented that network modernization is a well-judged response

to the geometric traffic growth in backbone networks, which on average amounts to 30-50% p.a. “In the next few years, backbone networks based on 40G will deplete their resources”, he said to ComNews. “To ensure that their networks will meet the demand of the market in the mid run of 3-5 years, major backbone carriers are forced to seek innovative technological solutions which would allow maximization of network capacity and at the same time, help to reduce signal delay.” 



The 5th International Business Forum Evolution of Mobile Networks – LTE Russia & CIS 2013

May 28–29, 2013

Holiday Inn Moscow Lesnaya Hotel
15 Lesnaya St., Moscow, Russia

Organizer:



In Partnership:



Endorsed by:



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The Key Topics:

www.comnews-conferences.ru/lte2013

- The LTE ecosystem in Russia. Market trends and prospects
- Conversion of radio frequency spectrum for LTE networks in accordance with the bid results
- Common use of radio-frequency spectrum in Russia
- The principle of technological neutrality in use: challenges and drivers
- Opportunities and existing mechanisms of "frequencies exchange" between operators
- Prospects for LTE equipment production in Russia
- Prospects and opportunities for LTE networks deployment in the range of 1800
- LTE-Advanced networks in Russia. Trends and prospects
- Experience of LTE network joint operation based on the MVNO model
- LTE networks infrastructure joint construction and use
- International and national roaming in LTE networks
- Chips for LTE Terminals, 2G/3G networks support. Multi-standard terminals
- The market of mobile subscriber units for LTE networks
- LTE Terminals: evaluation of subscribers' devices market development
- VoLTE

Speakers:



Yuri Dombrovski,
President
of the Association
of regional telecom
operators



Alan Hadden,
President,
Global mobile
Suppliers
Association (GSA)



Gulnara Khasyanova,
Executive Director,
LTE Union



Adrian Scrase,
Head of 3GPP
Mobile Competence
Centre



Vitaly Solonin,
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