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## **Hughes JUPITER Technology Chosen to Provide Satellite Broadband to Siberia and Far East of Russia**

### **Russia Satcom Operators Extending High-Performance Ka-Band Service to Consumers**

GERMANTOWN, Md., March 10, 2015 /PRNewswire/ -- [Hughes Network Systems](#), LLC (HUGHES), the global leader in broadband satellite solutions and services, today announced that Russian integrator Ka-Internet has delivered a Hughes JUPITER™ System to the Russian Satellite Communication Company (RSCC) as RSCC's platform for high-performance satellite broadband services in Siberia and the Far East.



A JUPITER Gateway was installed at the Satellite Communications Center (SCC) in Khabarovsk, and a Network Management System (NMS) was installed at the SCC in Dubna, Moscow Region. The JUPITER System will operate over the Ka-band capacity of the Russian Express AM5 satellite, launched and added to RSCC's constellation in 2014. Services to the market will be delivered on a VNO (virtual network operator) model starting early Q2 this year.

"Satellite broadband is the ideal connectivity solution for Siberia and the Russian Far East," said Sergey Pekhterev, general director, Altegrosky Group of Companies, parent company of Ka-Internet. "It is well suited to providing coverage over huge areas in the two regions, where maintaining a wired infrastructure is difficult, if not impossible. With the Hughes JUPITER System, we can deliver high-speed Internet access in Ka-band at affordable prices to the population of even the most remote regions of the Russian Federation."

"Following a careful evaluation of the leading Ka-band ground system technologies, we consider the Hughes JUPITER System as one of the best available in the world market because of its advanced capabilities—including wideband DVB-S2 outroutes which enable maximum forward channel efficiency," said Ka-Internet General Director Vitaly Vashkevich. "In addition, the JUPITER System has a very powerful VNO capability that will enable Russian service providers to easily structure a variety of custom service plans."

"We are honored that Ka-Internet and RSCC have chosen Hughes technology to power a new world of media-rich Internet applications for consumers across one of the world's largest land masses," said Konstantin Lanin, head of Hughes Russia office. "Connecting people in Siberia and Russia's Far East to the worldwide web is an important economic and social imperative that Hughes is uniquely qualified to help succeed—given its experience delivering services to more than one million subscribers in North America with JUPITER System technology."

#### **About Russian Satellite Communications Company (RSCC)**

The Russian Satellite Communication Company (RSCC) is the Russian state satellite operator whose spacecraft provide global coverage. RSCC was founded in 1967 and is one of the ten largest satellite operators in the world in terms of satellites and orbital slots. The company owns the largest satellite constellation in Russia, located in the geostationary orbital arc from 14 West to 140 East and covers the whole territory of Russia, CIS, Europe, the Middle East, Africa, the Asia Pacific region, North and South America, and Australia.

As the national satellite operator, RSCC meets the important state tasks of providing mobile presidential and governmental communications, federal TV and radio signal transmission over the territory of Russia and most countries of the world. The company pays serious attention to implementing high-priority national projects and closely interacts with the Russian state authorities in the field of informational and telecommunications and broadcast systems development. RSCC provides a full range of communications and broadcasting services using its own terrestrial engineering facilities and satellite constellation, which includes state-of-the-art satellites Express-AM, Express-AT, Express-A, and a part of the French 36A satellite capacity. The company's satellites offer wide opportunities for TV and radio broadcasting, including DTH, IPTV, and MPEG-4 services, broadband Internet access, data transmission, videoconferencing, VSAT network deployment, as well as departmental and corporate communications networks worldwide. RSCC has deployed a modern ground satellite management system that is

used to control and monitor the company's own satellites, as well as Eutelsat, Intelsat, etc. satellites. RSCC reports to the Federal Communications Agency (Rossvyaz).

The company includes five Satellite Communications Centers (SCC) located at Dubna, Bear Lakes, Skolkovo, Zheleznogorsk, Khabarovsk, and the Shabolovka Technical Centre in Moscow, as well as its own high-speed optical-fiber digital network. For additional information, please visit [www.rcss.ru](http://www.rcss.ru).

#### **About Ka-Internet**

CJSC Ka-Internet is the Russian commercial satellite communications operator, which started business activity in 2012, and belongs to Altegrosky Group of Companies. Ka-Internet provides broadband satellite Internet access services, data transmission, and satellite channels leasing services. The services are delivered in Ka-band via geostationary satellites "Ka-Sat" in 9°E orbital slot and "Express-AM5" in 140°E orbital slot. Total capacity operated by Ka-Internet systems is up to 150 Mbps. For additional information, please visit [www.kainternet.ru](http://www.kainternet.ru).

#### **About Hughes Network Systems**

Hughes Network Systems, LLC (Hughes) is the world's leading provider of satellite broadband for home and office, delivering innovative network technologies, managed services, and solutions for enterprises and governments globally. HughesNet® is the #1 high-speed satellite Internet service in the marketplace, with offerings to suit every budget. To date, Hughes has shipped more than 4 million systems to customers in over 100 countries, representing over 50 percent market share. Its products employ global standards approved by the TIA, ETSI and ITU organizations, including IPoS/DVB-S2, RSM-A, and GMR-1.

Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a wholly owned subsidiary of EchoStar Corporation (NASDAQ: SATS), a premier global provider of satellite operations and digital TV solutions. For additional information about Hughes, please visit [www.hughes.com](http://www.hughes.com).

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