

# THE RUSSIAN FEDERATION, INVITATION TO THE SEMINAR

## «Security, Trust and Effectiveness in Using Infocommunications»

**9:00–13:00**  
**18<sup>th</sup> of November, 2005**

**Tunis, Kram Centre**  
**Room «Le Kef»**

The seminar offers a unique chance to meet with Russian infocommunication leaders, to learn about the progress and the international initiatives of the Russian infocommunicational business, to extend beneficial collaboration with the Russian Federation.

The participation is free and open to all interested parties.

The working language – English.

### **About RANS**

Russian Association of Networks and Services (RANS) is a public and government organization. The establishment of RANS was initiated by the Ministry of Communication and Informatization of the Russian Federation on the 30th of August, 1994. At present RANS has over 130 members from all over Russia: Universities, scientific and government institutions, legal and insurance companies, network operators, ISPs, vendors, system integrators, IT-sector companies. RANS main direction of activities is assistance to the development of the Internet in Russia; promotion of the establishment of predictable, transparent, non-contradictory and clear legal environment of Internet activities; creation and realization of telematic services and information safety; integration and coordination of the interests of users, vendors and operators of information and telecommunication systems; integration of Russian information and telecommunication systems into European and world infrastructure; conferences and exhibitions, publishing activities.

The nearest RANS international conference "Security and Trust in the deployment of information and telecommunication systems" will be held on 28-29 of March 2006 in Moscow.

**[WWW.RANS.RU](http://WWW.RANS.RU)**

# Agenda

## 1. Security Baseline for Network Operators

*Arkadiy Kremer, Chairman of the RANS Executive Committee, Vice-chairman of the SG 17 ITU-T*

The SG 17 ITU-T project proposes a security baseline for network operators that will provide meaningful criteria against which each network operator can be assessed if required. The use of these criteria depends on the regulatory regime, the type of the operator and the underlying network technology. The project objective is to develop a baseline requirement specification, based on international security standards, that defines a basic level of security for network operators. The resulting baseline requirement specification should provide a "floor" of security.

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## 2. International Network for Distance Learning

*Artem Adjemov, Head of Moscow Technical University of Communications and Informatics*

Now the prospects of the global educational space formation become more and more clear and concrete. Information and communication technologies (ICTs) have essentially expanded the list of services offered to people. Today new technologies are closely associated with the computer, such as: e-Learning, e-Medicine, e-Government, e-Commerce etc., are widely used. Recent developments in ICTs, such as the Internet and World Wide Web, enable increased production and spread of information across geographical boundaries. We are witnessing the formation of a new world – the world in which a person widely uses computer in their everyday activity. And under these conditions the virtual world created by people should, in our opinion, correspond to the real-life world. Each object in the virtual world should have its prototype in the real world. Information technologies together with opportunities of communications reduce distances and enable real dialogues between people. At the University, access to educational resources is realized through a virtual working room.

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## 3. International Telecommunication Operators Interaction

*Dmitry Kostrov, Chief Information Security Officer of "Multiregional Transit-Telecom"*

From the 1st of January, 2006 operators who have been granted necessary licenses for long-distance and international services will be able to start their full-range operations in this market. The liberalization of the long-distance telecom market should allow operators to reach new business horizons. JSC MTT is one of them. It's an operator of a nationwide transit network rendering telecom services and providing efficient interworking of mobile and fixed operators throughout the territory of the Russian Federation.

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## 4. International Cooperation in Using the Satellite System "Yamal"

*Dmitriy Sevastiyarov, General Director of "GASCOM"*

Gascom has developed and operates the Satellite Communications System Yamal consisting of three satellites (Yamal-100, Yamal-201 and Yamal-202), the ground control facility and a wide terrestrial network of earth stations for satellite communications and broadcasting. The system provides satellite capacity and telecommunications services (satellite communications and data transmission channels, satellite TV/radio broadcasting services, satellite Internet access) to the state, corporate and commercial customers both in Russia and in the international markets. Till the year 2015 Gascom intends to expand the existing Satellite Communications System Yamal into a full-scale Space Information System composed of three subsystems: subsystem of geostationary telecommunications satellites – Yamal; subsystem of low-orbit Earth observation satellites – Smotr; subsystem of high elliptic-orbit satellites for direct digital audio broadcasting, mobile communications and signaling – PolarStar. Now Gascom is building two new geostationary communications satellites Yamal-300 to be launched into orbit at the end of 2007.

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## 5. Methodology for Evaluation of Information Technologies Deployment Effectiveness

*Nikolay Ermoshkin, Manager of the Internet Group of "Cisco Systems"*

The main objectives of this research are to determine if organizations that use Internet business applications, sophisticated network infrastructures, and automated business processes see greater operating outcomes than organizations that do not undertake these efforts; to determine the respondent organizations' level of network sophistication and how it has impacted their business processes and outcomes; to identify best practices in both technology adoption and business processes that can be used as a benchmark for organizations. The combination and alignment of applications, networks and business practices leads to the improved productivity. The presentation will discuss the analysis of the Russian stage of research.

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## 6. Contemporary Threats and Integrated Approach to Information Security

*Harry Kondakov, Managing Director of "Kaspersky Labs Russia, CIS, and Baltics"*

Report is devoted to a theme of modern computer threats and effective methods of struggle against them. In the first part of the report new technologies and methods of penetration of malicious code in computers, mobile personal computers and smartphones will be widely covered. The report will focus on Internet crime. According to the extensive statistical and analytical information, "Kaspersky Labs" experts have drawn a conclusion on the processes characteristic of criminal computer communities – industrialization of criminal com-

puter community. The methods of counteracting organized hackers, virus-writers and spammers communities will be illuminated. "Kaspersky labs" now develops a global system of counteracting the criminal community. Nowadays the enterprises and the organizations need integrated approach to information security to maintain safety and to resist any threats in the modern "unfriendly" environment.

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## **7. Russian Wireless Systems Development**

*Peter Kochegarov, General Director of "InfiNet Wireless"*

Secure and reliable links over the Internet have become key for many public safety organizations around the world. Both private security companies and government agencies are now looking into fixed BWA solutions from companies like InfiNet Wireless to provide wireless infrastructure equipment for secure Video-over-IP data. InfiNet Wireless has pioneered this application in Russia, China, and Spain. Built-in powerful features of InfiNet Wireless routers such as unconditional media-applications traffic (VoIP, video etc) prioritization and flexible Quality-of-Service manager provide with a highest level of reliability and stability. Public safety companies are now using InfiNet Wireless routers as the core transport IP network infrastructure to transmit compressed video packets monitoring banks, government buildings, hotels, and schools. Other key applications have been to monitor traffic lights and highway safety in several of Russia's major Siberian cities.

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## **8. Russian Experience in Offshore Programming**

*Dmitry Ponomarev, President of "Mera Group"*

Steady growth of info-communications security and effectiveness creates new opportunities for business worldwide. The report covers one of these opportunities – research and development outsourcing. The author analyzes what technological achievements had the most significant impact on outsourcing business model in recent years. Russia has become an attractive destination for outsourcing because of unique combination of high standards of university grade education, economical environment and geographical position. This combination allows Russia to offer much wider range of services comparing to traditional IT companies around the world. Report gives a detailed list of those differentiators including influence of recent government initiatives regarding IT companies. To show an example, the report describes the business of MERA Group – one of largest outsourcing companies in the Volga region. In conclusion, the author discusses several possible scenarios of further IT services development in Russia and role of info-communications in this process.

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## **9. Russian Experience in Billing Systems Development.**

*Andrey Morozov, President of "CBOSS"*

CBOSS convergent real-time billing solutions and business operation support systems as well as Value-Added Services have a proven performance record derived from 15 years of experience in the IN-based technology and billing systems. Flexible tariffs, options for subscribers to switch between pre- and postpaid accounts at their will as well as the use of hybrid accounts, real-time call and service control increase customer loyalty, boost operator's competitive edge, and protect clients from revenue leakage of any scale. To prevent leakage of confidential information CBOSS uses internal security system that includes authentication and user actions registration subsystems, role-based access differentiation subsystem, integrity control and encryption subsystems.

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## **10. International Collaboration for Development of Infocommunication Systems for Financial Market**

*Andrey Visyashchev, Chief Executive Officer of "Center of Financial Technologies"*

The market demand in the financial sector can be characterized by two main factors. First, financial institutes move towards centralization of financial and management information for better control for their resources. Second, they want to dispose a branching but cheap front-office network for promotion of their services to an end-client. In these circumstances CFT holds position as factory for providing services. These services can be delivered to customers with the help of dramatically developing telecommunication infrastructure. The alliance of demanded software solutions and communications that give opportunity to deliver products or services to every person will be the determination of the business success.

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## **11. Best known methods in usage of IT in corporate governance and education in Russia**

*Sergei Moiseev, Marketing Director of Sun Microsystems CIS*

The report covers the best-known methods and experience of usage of IT in the corporate governance (including government area) and education. This includes: building scalable, reliable and secure IT infrastructures and IT management of such infrastructures; reduction of cost and complexity in the IT infrastructure and IT solutions; web-services deployment; unleashing security with mobility; information security is considered as a key point of any IT system design and implementation. Another key standpoint of best practice implementation is building an effective ecosystem around an IT solution. That means reduction in power consumption, improving computing capacity utilization and increasing ROI. Some examples of comprehensive IT projects are provided in this context from government and education area.

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## **12. Concluding remarks and discussion**