



Group of Companies “TYPHOON-SVYAZ”

Telecommunications facilities



Group of companies “TYPHOON-SVYAZ”.

Activity and products in development and production of telecommuncations equipment.

- Enterprises of “TYPHOON SVYAZ” group of companies specialize in designing and production of innovative radio equipment for telecasting, broadcasting and communications.
- Our partners - subject subdivisions of the leading Research institutes of the Russian Federation (NIIR, Moscow; LONIIR, Saint-Petersburg; MNITI, Moscow); Russian manufacturers of radio engineering systems and components; subsidiaries of FSUE “RTRS” (Federal State Unitary Enterprise “Russian Television and Broadcasting network”), FSUE “VGTRK” (Federal State Unitary Enterprise “All-Russia Public Company for Television and Broadcasting”) and “Rostelecom” JSC; telecasting and broadcasting companies of the Russian Federation and foreign countries.
- Permanent orientation of the high-skilled personnel of our enterprises for technological progress, with enviable periodicity, allows to offer products, having patents in the Russian Federation and capable to compete with import items at any markets, that is confirmed by our participation at international subject exhibitions: “Security Systems”, “Television and communications”.



СТАНОВЛЕННЫМ ТРЕБОВА

[illegible]

МА СЕРТИФИКАТА

ЕРТИФИКАТ СООТВЕТСТВИЯ

Регистрационный номер: ОС-2-PPC-0886

ак действия: с 18 ноября 2013 г. до 18 ноября 2016 г.

ЕРТИФИКАТОМ ОРГАН ПО СЕРТИФИКАЦИИ

105066, г. Москва, ул. Нижняя Красносельская, д. 13, стр. 1
(сокращенное наименование органа по сертификации, адрес места нахождения)

ЧТО переносимые (стационарные) телевизионные

станции Эра М-7P; Эра М-SF в составе, приведенном в приложении,

овия ТУ 65 7200-468-01181481-13,
(наименование средства связи, версия ПО (при наличии), технические условия №)

Е ООО "СКБ "Таифун-связь", 248009, г. Калуга, Грабьевское ш., д. 126,
(наименование изготовителя средства связи, адрес места нахождения)

ИИ (ЗАВОДЕ) ООО "СКБ "Таифун-связь",

г. Грабьевское ш., д. 126,
(наименование предприятия (завода) - изготовителя средства связи, адрес места нахождения)

ОТ ОБЪЕКТА ПРЕДНАЗНАЧЕННЫМ ТРЕБОВАНИЯМ

м радиорелейной связи. Часть I. Правила применения
истем связи пlexомночной цифровой иерархии", утвержденные
в России от 27.02.2007 № 25 с изменениями, внесенными
син от 20.02.2012 № 57; "Правила применения оборудования
ния. Часть II. Правила применения оборудования сетей
вешания", утвержденные Приказом Мининформсвязи России
а применения цифровых систем передачи телевизионного и
денные Приказом Мининформсвязи России 22.03.2007 № 39
ныими Приказом Минкомсвязи России от 23.04.2013 № 93).

на сети связи общего пользования в качестве

й связи с функциями оборудования телевизионного вещания и
передачи цифрового сигнала 34,368 Mbit/s с использованием
шения ГКРП № 09-03-07 от 28.04.2009); 8,4-8,5 ГГц; 8,5-8,7 ГГц
сы радиочастоты ГКРП и присвоения (назначения) радиочастоты
а Федеральным органом исполнительной власти в области связи.
длина используются электрические интерфейсы 34,368 Mbit/s,
ЮBASE-T, ASI, SDI, оптический интерфейс с длиной волны
аналогового сигнала используются интерфейсы полного
'AM и сигнала звукового сопровождения. Максимальная
рчиков 30 дБм. Климатическое исполнение – категория 1В.

ПА СООТВЕТСТВИЯ ЯВЛЯЕТСЯ

н", 248009, г. Калуга, Грабьевское ш., д. 126.
(адрес держателя сертификата соответствия, адрес места нахождения)

НЕ ДЕРЖАТЕЛЬ СЕРТИФИКАТА СООТВЕТСТВИЯ

ОСОБЫЙ ОТДЕЛ

И.Р. Костин

И.Р. Костин

reliable partner and competent marketing expert at the market of radio engineering communications equipment.

All innovative solutions of our designers undergo test check at communications processing lines. The majority of experimental and production samples of our radio engineering products were tested at the territory of “Kaluzhsky ORTPTs”(Television and broadcasting center of Kaluga Region).



We take part in development of infrastructure of communication systems of Kaluga Region on the basis of objects of “Kaluzhsky ORTPTs”- a branch office of FSUE “RTRS”.

By means of digital information network, the Closed-Circuit Television Systems (CCTS) of several serviced objects of “Kaluzhsky ORTPTs”, situated in different parts of the region, were integrated in one complex.

At present, the leaders of our enterprise can control situation at the objects and all technological process of operation of the equipment in the “manual” mode (“space bridge”) or automatic mode.



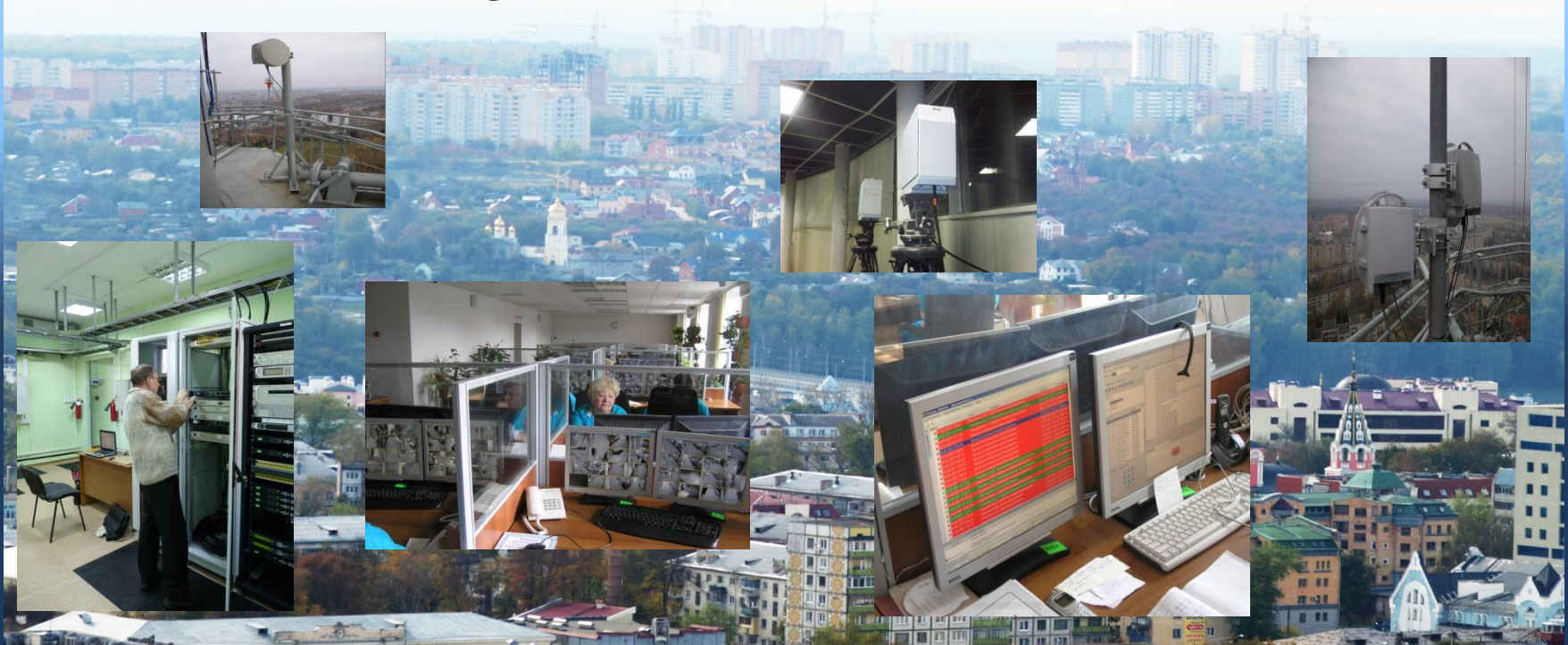
Installation and putting into operation of the broadband access equipment in the Department of Ministry of Home Affairs in Kaluga Region and towns of the Region – our contribution to the construction of up-to-date specialized digital communication networks.

The project of the indicated communication network for Department of Ministry of Home Affairs in Kaluga Region on the basis of broadband access equipment, designed by «Information Industry Company» CJSC (Moscow) by the order of Ministry of Home Affairs of the Russian Federation, was realized in 2008. At present, the communication link on the basis of broadband access equipment, is constantly widening by means of increasing of number of objects in Kaluga Region.



**Participation of our specialists in designing of radio networks of pattern
“Safe town” in Kaluga, Obninsk and other towns of Kaluga Region,
ensured economy of budgetary funds by introduction of progressive
technical solutions.**

In 2008 at the international market of telecommunications, a number of manufactures offered new equipment complied with Standard IEEE.802.11n. Technology of data transfer MIMO provided traffic with speeds of up to 300 Mbit/s for the base and subscription stations. The equipment of the Russian manufacturer (DATATEL, Moscow), which was included by us into the project, allows to transfer big information content at high speed and to save money during construction of communication lines.



Our up-to-date digital reporting radio relay systems “ERA M”, supplied to “Ostankino” telecasting centre (for “on line” translation), provided high quality picture and sound of television programs.

After the “Ostankino” TV tower was equipped with our equipment, a part of television programs of the “Channel One” (“insert” into translations of news, sport competitions, meetings, entertaining programs) is telecasting in format “FULL HD”.



The widely known “What? Where? When?” entertaining intellectual program is being translated all over the world from “Ostankino” TV tower in live broadcasting by means of our up-to-date reporting equipment “ERA M” RRS.



Federal Agency on Intellectual property, patents and trade marks of the Russian Federation, patented our digital reporting radio relay station (RRS), as an industrial model.



Our first contribution to creation of the TV show “Tank biathlon” was made in 2010.

We supplied the sets of special equipment for video monitoring and control of mobiles to “Ural vagon zavod” range in Nizhny Tagil. The sets of equipment provided transmission of TV picture in simplex mode (1 video and 2 audio channels) from each of the four video cameras, installed on a vehicle.

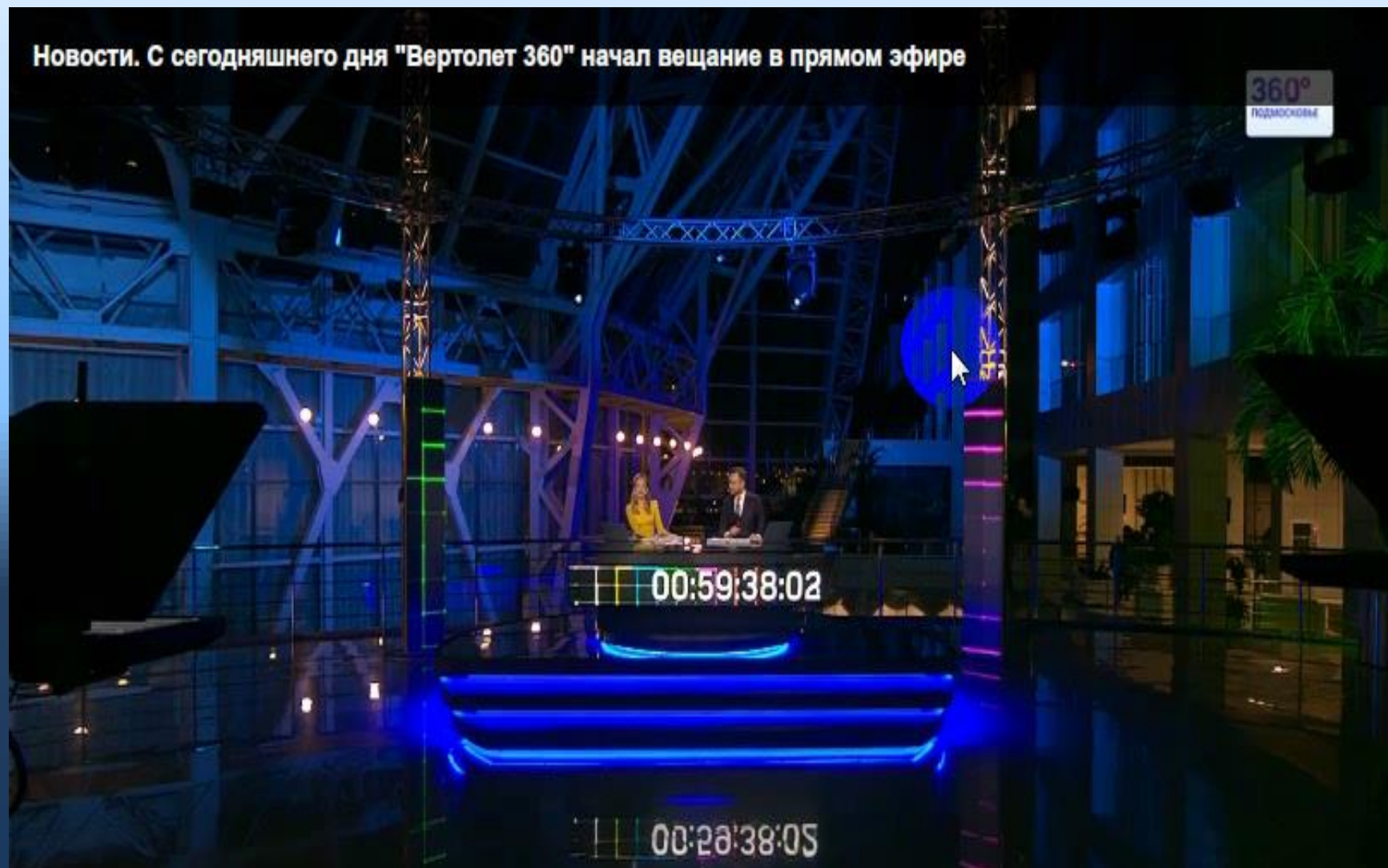


The sets of upgraded version of innovative equipment for transmission of television signals (6 video and 12 audio signals) were supplied to the range of Ministry of Defense of the Russian Federation in settlement Alabino (Moscow) in 2014.

The indicated range, equipped with the stationary television equipment, acquired technical capabilities to demonstrate a TV image together with audio from mobile land objects, mobile surface objects and low-speed air objects. It gave a new urge in development of the international project – “Tank biathlon” show.



Our system for television signals transmission in the format Full HD, intended for installation on air low-speed objects (helicopters), was tested by specialists of Moscow television company «360° Moscow area».



During TV broadcasting from the international exhibition “Army 2015”, as well as during broadcasting of the regular international competitions “Tank biathlon” in 2015, the equipment, developed by our company, provided live broadcasting of a part of the common television image and showed excellent results regarding reliability and usability.





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Thank you for your attention!

