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| INTERNATIONAL TELECOMMUNICATION UNION*Radiocommunication Bureau* | Description: Description: sigleITU |
|  25 May 2012 |
| Ref: | 35R(SGD)O-2012-001953 |  To: ARM, AZE, BLR, EST, GEO, KAZ, KGZ, LTU, LVA, MDA, RUS**,** TJK, TKM, UKR, UZB, Regional Commonwealth in the Field of Communications (RCC) |
| Contact: | Vadim Nozdrin |
| Tel: | +41 22 730 6016 |
| Fax: | +41 22 730 5806 |
| E-Mail: | vadim.nozdrin@itu.int |
| Subject: | ITU Regional Seminar for RCC countries on Prospects for use of the Ka-band by satellite communication systems, Almaty, Kazakhstan, 5 - 7 September 2012 |

Dear Madam/Sir,

The International Telecommunication Union has pleasure in inviting you to participate in the ITU regional seminar on Prospects for use of the Ka-band by satellite communication systems, to be held in Almaty (Republic of Kazakhstan) from 5 to 7 September 2012, at the kind invitation of the Ministry of Transport and Communications of the Republic of Kazakhstan.

Background information and preliminary programme of the seminar as well as a list of invited speakers may be found in **Annex 1**. The success of any event organized by ITU depends to a large extent on the active participation of administrations in the discussion of the issues at hand. We are therefore seeking your support in providing a presentation on issues under discussion.

Should your administration wish to make a presentation, please contact Mr. V. Nozdrin (vadim.nozdrin@itu.int) at the Radiocommunication Bureau before 1 July 2012 in order to have your presentation included on the agenda for the seminar.

The seminar will be held in Russian and English.

Practical information concerning the seminar may be found in **Annex 2**.

Those wishing to participate in the seminar will need to complete the registration form contained in **Annex 3**. Completed forms (one for each participant from your administration) should be sent to the Ministry of Transport and Communications of the Republic of Kazakhstan by 24 August 2012.

The participants who are subject to the entry visa to Kazakhstan are required to fill the Visa support form in **Annex 4**. Visa support should be sent not later than 15 July 2012 to the contacts indicated in Annex 4.

A web page for seminar participants is to be found at: [www.itu.int/ITU-R/go/ka-band-seminar-2012/en](http://www.itu.int/ITU-R/go/ka-band-seminar-2012/en). All relevant information will be posted on this page as it is received, together with a detailed agenda and the texts of presentations.

Should you require further information regarding the seminar, please contact any of the following:

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| RadiocommunicationBureau Coordinator |  | Ministry of Transport and Communications of the Republic of Kazakhstan |
| Vadim Nozdrin Tel: +41 22 730 6016vadim.nozdrin@itu.int |  | Rizat NurshabekovTel: +7 (7172) 740 324r.r.nurshabekov@mtc.gov.kz |

Yours faithfully,

François Rancy
Director, Radiocommunication Bureau

**Annex 1**

**Background paper**

As both a follow-up to and continuation of the momentum created over the past three years on the efficient use of the spectrum/orbit resource, the ITU Radiocommunication Bureau is pleased to announce that a regional seminar will be held from 5 to 7 September 2012 in Almaty, Kazakhstan, at the kind invitation of the Administration of Kazakhstan, on "Prospects for use of the Ka-band by satellite communication systems".

Nowadays, access to the spectrum/orbit resource, a crucial asset for satellite companies and countries, is becoming more and more challenging. Struggle for this satellite spectrum asset is particularly intense for newcomers to the business, for smaller companies operating existing satellite services, and for anybody seeking to introduce new types of satellite application, particularly broadband applications.

In this regard, tremendous technological developments have taken place in both satellite technology and satellite applications in Ka-band frequencies, and current trends show an increased attraction to the development of satellite communication systems in Ka-band frequencies. This new-found attraction is due to the band being still relatively underused, making GSO coordination easier, but also to the availability of the well developed and advanced technology it requires. At the same time, the prosperity of the Ka-band satellite business and its specificity could be threatened by abuse of the regulatory regime for the purpose of gaining access to the spectrum/orbit resource in a manner that blocks the operation of real satellite networks.

The Almaty seminar will provide a unique opportunity to meet and share views with the world´s leading experts from administrations, satellite operators and industry who will provide the latest information on their plans for the development of satellite networks in the Ka-band. Participants will also be able to share their national experience in the development of satellite networks (in terms of development of Ka-band satellite systems), and discuss the advantages and disadvantages of using this frequency range, possible ways to overcome the problems associated with the propagation conditions above 20 GHz, and frequency sharing including sharing with terrestrial services.

On the last day of the seminar, a more specific workshop will be organized to familiarize participants with the use of ITU BR software for evaluating coordination requirements and the submission of comments on Bureau publications.

**Preliminary programme and confirmed speakers**

**Main topics:**

− ITU’s work in the area of space regulatory framework;

– Results of WRC-12 on satellite issues;

– Technical, economic and regulatory means of increasing the effectiveness of orbit/spectrum resource usage;

– Latest developments in satellite communications;

– Broadband satellite services and applications;

– Existing and future use of Ka-band by satellite systems;

– Regulatory, Commercial and Technical Challenges and Opportunities For Ka-band In RCC Countries;

– Ka-band satellites and services from operator’s point of view;

– National experience in the development of satellite networks.

**Confirmed speakers**

|  |  |
| --- | --- |
| **Administration/Company** | **Name/Title** |
| Kazakhstan | Rizat Nurshabekov, Chairman, Committee for Communication and Informatization |
| Viktor Lefter President, Republican center of satellite communications |
| Zhumabek Zhantaev, President, National Center for Space Research and Technologies |
| Daulet Ahmentov, Director, Institute for space technics and technologies |
| Nurlan Saterov, Deputy Director, Institute for space technics and technologies |
| Radiocommunication Bureau  | Yvon Henri, Chief, Space Services Department |
| Vadim Nozdrin, Counselor, Study Group Department |
| Eutelsat | Ethan Lavan, Director of Orbital Resources |
| Russia | Viktor Strelets, Deputy Head of Department, Ministry of Communications |
| Valery Butenko, NIIR, Director |
| Evgeniy Buidinov, Russian Satellite Communications Company, Deputy Director General |
| Igor Zheltonogov, Deputy Director General, Geyser-Telecom |
| Andrey Kuropiatnikov, Morsviazsputnik, Director  |
| Victor Glushko, Deputy Director General, Geyser-Telecom |
| AvantiCom | Kumar Singarajah,Director, Regulatory Affairs & Business Development |
| Inmarsat | Y.Koulikova, Director Eastern Europe and CIS Regulatory Affairs, Global Xpress Programme |
| Asiasat |  Jorn Christensen, Consultant |
| Thaicom | Mr Ekachai PHAKDURONG, Vice President - Business Relation & Thaicom Services |
| Astrium | Jean Claude Domien, Director Regulatory matters |
| Arabsat | Engr. Ahmad S. K. Al-Shraidh Director, Technical Planning & Developments |

Should your administration wish to make a presentation on any of the above topics, please contact Mr V. Nozdrin (vadim.nozdrin@itu.int) at the Radiocommunication Bureau by 1 July 2012 to have your presentation included on the agenda for the seminar. The presentation itself, preferably in both Russian and English, must be submitted to ITU not later than 15 August 2012.

**Annex 2**

**Practical information concerning the seminar**

**1 Venue**

The seminar is to be held at the Hotel Alatau, Almaty

Address: Hotel Alatau, Almaty, Kazakhstan
Website:[**http://www**](http://www)**.alatau-spa.kz**
Tel.: +7 727 254 9697 / +7 727 254 9737
Fax: + 7 727 254 9681

**2 Registration**

A completed registration form should be sent, not later than 24 August 2012, to the Committee for Communication and Informatization of Ministry of Transport and Communications of the Republic of Kazakhstan at the following address:

Committee for Communication and Informatization

 of Ministry of Transport and Communications
010000, Astana, Orynbor street, No. 8
Republic of Kazakhstan
e-mail: mtc@mtc.gov.kz
Tel.: + 7 717 274 0324; +7 717 274 0364
Fax: +7 717 274 0364

**3 Accommodation − Hotel Alatau**

|  |  |
| --- | --- |
| **Type of room** | **Daily rate\* in United States dollars** |
| Single room | 130 |
| Double room | 96/192 |
| One-room suite | 240 |
| Two-room suite | 274 |
| \* The rate shown is per person for a single room and for dual occupancy in a double room!A buffet-style breakfast and VAT are included in the room rate. |

**4 Arrival**

Almaty International Airport
Delegates will be met at the airport upon arrival
**Please provide us with advance information about delegate arrivals**

**5 Monetary unit of the Republic of Kazakhstan**

The monetary unit is the “Tenge”

Exchange rate at 1 May 2012: 1 Russian rouble ~ 4.95 tenge
 1 United States dollar ~ 145.5 tenge
 1 euro ~ 192.67 tenge

**6 Local time with respect to Greenwich Mean Time**

+6 hours

**7 Mains voltage**

220 V

**8 Weather**

The average air temperature in Almaty in September ranges from +18 to + 22°С. The weather in September is for the most part sunny and warm.

**9 Requirements for entry to the territory of Republic of Kazakhstan and information concerning entry visa issue**

Kazakhstan has bilateral agreements on visa-free exchange between Azerbaijan, Armenia, Belarus, Georgia, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

Participants of other countries who are subject to the entry visa to Kazakhstan are required to contact well in advance the Kazakh Embassy/Consulate in the country of their residence where they could obtain all the necessary information.

The visas are issued to the foreign citizens by the Diplomatic or Consular Missions of Republic of Kazakhstan abroad in accordance with the letter of visa support (authorization from the Ministry of Foreign Affairs of Kazakhstan).

The participants who are subject to the entry visa to Kazakhstan are required to fill the Visa Support Form (Annex 4) and to send it not later than 15 July 2012 to the national coordinator of the Seminar, Ms. Gulnara Bukeeva (g.s.bukeeva@mtc.gov.kz ; bgul-63@mail.ru ).

**10 Local contact persons**

Ministry of Transport and Communications of the Republic of Kazakhstan

Ms Gulnara Sembekovna BUKEEVA
Tel.: + 7 171 274 0143
Fax: + 7 717 274 1058
E-mail: g.s.bukeeva@mtc.gov.kz

Ms Umitzhan Arykbekova
Tel.: + 7 717 274 03 55, 7 717 274 1021
Fax: + 7 717 274 1058
E-mail: u.sh.arykbekova@mtc.gov.kz

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| Description: LGO_0UIT | **Annex 3****РЕГИОНАЛЬНЫЙ** **СЕМИНАР «ПЕРСПЕКТИВЫ ИСПОЛЬЗОВАНИЯ KA-ДИАПАЗОНА ЧАСТОТ СПУТНИКОВЫМИ СИСТЕМАМИ РАДИОСВЯЗИ»** **REGIONAL SEMINAR ON PROSPECTS FOR USE OF THE KA-BAND BY SATELLITE COMMUNICATION SYSTEMS** (Алматы, Республика Казахстан, 5-7 сентября 2012)**(Almaty, Republic of Kazakhstan, 5 – 7 September 2012)** | Description: LGO_0ITU |
| **Registration Form/Регистрационная форма** |

*(ЗАГЛАВНЫЕ БУКВЫ/CAPITAL LETTERS)*

|  |  |  |
| --- | --- | --- |
| **1.**Mr. Mrs. Miss . | **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**(family name)/(фамилия) | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(first name/ИМЯ) |
| **2.** Accompanied by (Family Member)Сопровождающее лицо | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **3.** CountryСтрана | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

1. Representation/Представитель

|  |  |
| --- | --- |
| Name of the Administration and/or OrganizationНазвание Администрации или организации | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **5.** Official address Адрес | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| TEL/ТЛФ: | FAX/ФАКС: | E-MAIL: |

**6.** HOTEL RESERVATION/РЕЗЕРВАЦИЯ ГОСТИНИЦЫ

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Single room |  | Double room |  | Lux one room |  | Lux two rooms |  |
| Одноместный номер | Двухместный номер | Однокомнатный люкс | Двухкомнатный люкс |

|  |  |
| --- | --- |
| Aeroport transfer required | YES/NOДА/НЕТ |
| Требуется доставка из аэропорта |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **7.** Date of Arrival  |  | FLIGHT NO. |  | TIME OF ARRIVAL |  | FLIGHT NO. |  |
| Время прилета | № рейса | Время вылета | № рейса |

|  |  |  |  |
| --- | --- | --- | --- |
| Date/Дата: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature/Подпись: | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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To be returned duly completed to (one form per participant) before 24 August 2012 to:

Форма должна быть заполнена полностью(одна форма на каждого участника) и отправлена до 24 августа 2012:

|  |  |
| --- | --- |
| Умитжан Арыкбекова Букеева Гульнара Сембековна | Umitzhan ArykbekovaGulnara Bukeeva |
| Факс/Fax + 7 717 2 74 10 58,Тлф/Tel. + 7 717 2 74 03 55,7 717 2 74 01 43u.sh.arykbekova@mtc.gov.kzg.s.bukeeva@mtc.gov.kz |

Annex 4

**Visa support form**

|  |  |
| --- | --- |
| 1. Surname, name |  |
| 2. Sex |  |
| 3. Date & place of birth |  |
| 4. Сitizenship |  |
| 5. Nationality |  |
| 6. Passport No |  |
|  Date of issue of passport |  |
|  Passport date of expire |  |
| 7. Place of work & position |  |
| 8. Home address |  |
| 9. Place of visa issue |  |
| 10. Period of stay |  |
| 11. Order of visa |  |
| 12. The aim of the visit |  |
| 13. Type of entry – exit transport (flight number) |  |
| 14. Route of move & places of the sits in Republic of Kazakhstan |  |

Completed visa support form should be sent not later than 15 July 2012 to the national coordinator of the Seminar, Ms. Gulnara Bukeeva (g.s.bukeeva@mtc.gov.kz ; bgul-63@mail.ru ).