

**SUMMARY OF THE 1st MEETING OF THE BLACK SEA, CASPIAN SEA AND
CENTRAL ASIA GROUP ON FREQUENCY COORDINATION MATTERS IN THE
UHF BAND (470-862 MHz)
18-19 April 2013, Geneva, Switzerland**

- 1) Mr F. Leite, Deputy Director of the Radiocommunication Bureau opened the meeting and welcomed all participants on behalf of the Director. The agenda for the meeting is at Annex 1.
- 2) Participating administrations included Armenia, Republic of Azerbaijan, Georgia, Islamic Republic of Iran, Republic of Moldova, Russian Federation and Uzbekistan. A list of participants is at Annex 2.
- 3) Participants supported the initiative to establish the Black Sea, Caspian Sea and central Asia group on frequency coordination matters in the UHF band (470-862 MHz).
- 4) The current situation and expected developments in each country with respect to transition to digital television and the use of other primary services in the UHF band (470-862MHz) are summarised in Annex 3.
- 5) The Terms of Reference of the Black Sea, Caspian Sea and Central Asia group on frequency coordination matters in the UHF band (470-862 MHz) was adopted and in Annex 4.
- 6) The Group agreed that the chairmanship will be on yearly rotation basis.
- 7) The next meeting should be held preferably before the end of 2013 but not later than 30 April 2014 and chaired by the Administration of Georgia.
- 8) The Administration of Georgia, as the chair of the next meeting, will coordinate the date and place of the next meeting in consultation with other members of the Group, taking into account the availability of results of ITU-R studies.
- 9) The Russian Federation informed the participating countries that during the XXII Olympic Winter Games and the XI Paralympic Winter Games in Sochi 2014 the UHF band (470-862 MHz) will be intensively used for ensuring interference-free operation by the radio systems of participants and organizations.
- 10) Participating countries are urged to provide assistance to the Russian Federation with a view to have for interference-free operation of radio systems that contributes to the success of the XXII Olympic Winter Games and the XI Paralympic Winter Games in Sochi, Russia.

ANNEX 1



Agenda

Frequency coordination meeting on the UHF band, comprising Armenia, Azerbaijan, Georgia, the Islamic Republic of Iran, Kazakhstan, Kyrgyz Republic, Russian Federation, Tajikistan, Turkey, Turkmenistan, Ukraine and Uzbekistan

Geneva, 18-19 April 2013

1. Opening of the meeting
2. Adoption of Agenda
3. Objectives of the frequency coordination
4. Review of the current situation and expected developments in each country in respect of the transition to digital television, the use of other primary services and the allocation of the digital dividend. Presentations by administrations on:
 - a. Switchover date and simulcast requirements
 - b. Technical characteristics of digital television
 - c. Frequency plan for television broadcasting before/after digital switchover
 - d. Expected decision and timeframe for the allocation of the digital dividend
 - e. Expected technical characteristics, including channel arrangements of mobile services
5. Expression of spectrum requirements for the services involved in the UHF band in the short, medium and long term.
6. Discussion on and identification of the ways to satisfy the spectrum requirements of all primary services without harmful interference, including:
 - a. Format of files to access compatibility of assignments/allotments
 - b. Methodologies to be adopted for assessing compatibility
 - c. Technical measures to reduce excess interference cases
 - d. Possible assistance by the ITU Radiocommunication Bureau
7. Working methods
8. Date and place of the next meeting
9. Closure of the meeting

ANNEX 2

Frequency Coordination Meeting on UHF Band for countries near Black and Caspian seas – 18-19 April 2013

List of participants

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ANNEX 3

SUMMARY OF PRESENTATIONS FROM PARTICIPATING ADMINISTRATIONS

	Switchover date and simulcast requirements	Technical characteristics of digital television	TV frequency plan before/after digital switchover	Expected decision and timeframe for allocation of digital dividend	Expected technical characteristics including channel arrangement for mobile services
ARM	To be provided				
AZE	The 94% of the populated territories of the Republic is covered with digital TV broadcasting	DVB-T standard with compression method MPEG-4 is being used for now, but it is planned to use also DVB-T2 standard in near future	For digital TV broadcasting there is preliminary frequency plan after switch-off analogue TV broadcasting there will be final frequency plan	Allocation of digital dividend is planned for mobile, TV and other services	Expected technical characteristics will be applied regarding the results of the studies carried out by ITU-R
GEO	By 17 th June, 2015 will be covered 95% of the population of Georgia with Digital Terrestrial Broadcasting. Simulcast period will be implemented for short period of time.	Shall be used DVB-T2 standard, compression method MPEG-4.	Final frequency plan will be adopted after switch-off the analogue TV broadcasting.	Allocation of digital dividend is planned for mobile, TV and other services	Technical characteristics will be applied according relevant recommendations elaborated by ITU-R.
IRN	To be provided				
MDA	Switchover date is not established. National footnote RN014 of National Table of Frequency Allocations states that after 17 June 2015 the analogue television will not produce interference or claim protection from the digital terrestrial broadcasting.	Shall be used DVB-T2 standard, compression method MPEG-4. (ITU-T H.264)	Not finally established. Predefined channels in frequency band 470 – 790 MHz.	Government decision regarding implementation of the public networks and services providing wideband radio access in the frequency band 790-862 MHz is expected in the beginning of 2014.	Technical characteristics not finally established. Channel arrangement in conformity with ECC Decision (09)03 of 30 October 2009 on harmonised conditions for mobile/fixed communications networks (MFCN) operating in the band 790 - 862 MHz
RUS	Digital Switch-over concept is still in the process of development	The main technical characteristics of Digital TV networks are the extension of the	The frequency band 470-790 MHz is heavily occupied by analogue and digital TV broadcasting stations (10500	supports the studies on defining the spectrum requirements, necessary for	considers the frequency plan on the basis of the existing A5 Plan according to Recommendation

		television standard DVB-T2 with compression method according Recommendation ITU-T H.264 (MPEG-4)	analogue and 11000 digital stations)	the operation of the broadcasting and mobile services (except the aeronautical mobile service) in the 694-790 MHz frequency band	ITU-R M.1036-4 as a preferable frequency plan for IMT systems.
UZB	According to the governmental program of technical and technological transition to digital broadcasting, analogue switch-off will be started after 2017.	DVB-T standard, compression method MPEG-4. DVB -T2 is in the trial operation.	Before digital switchover - "Frequency plan of transition to digital terrestrial broadcasting for the period 2010-2015" was approved. Frequency plan for period 2016-2017 is in development process	It is planned to implement the terrestrial component of IMT in allocations of digital dividend	Channel arrangement for mobile services accords with Recommendation ITU-R M.1036-4

ANNEX 4

TERMS OF REFERENCE OF THE BLACK SEA, CASPIAN SEA AND CENTRAL ASIA GROUP ON FREQUENCY COORDINATION MATTERS IN THE UHF BAND (470-862MHz)

As adopted on 18 April 2013

The members of the Group are the Administrations of the following countries: Armenia, Azerbaijan, Georgia and Russian Federation.

The member countries are expected to take necessary actions with respect to the following points:

- a) Adopt technical criteria and methodologies to facilitate the frequency coordination activities taking into account of results of studies being carried out by relevant ITU-R study groups, in particular JTG4-5-6-7;
- b) Carry out compatibility analysis with a view to efficiently using spectrum allocated to the services in the UHF band (470-862 MHz);
- c) Facilitate application of Article 4 of the GE-06 Agreement;
- d) Develop additional technical measures to reduce excessive interference cases, if any;
- e) Continue to endeavour achieving, to the extent practicable, equitable access to spectrum resources within the spirit and principles of GE06,

The Group will work on the basis of consensus. The Group will meet at least once a year.

The Group may request the ITU to facilitate their tasks and/or provide assistance to the Group.

Other countries in areas of Black Sea, Caspian Sea and Central Asia are encouraged to join the Group.