

WRC-12 AI 8.2 – New Agenda items – Spectrum for IMT

Position of the Mobile Industry and the GSMA

- The technological progress in radio communication enables to offer much more capacity today with much less spectrum. This applies for both, mobile service and broadcasting service.
- The mobile industry takes this development into account by using new frequency ranges by the most spectrum efficient technologies (e. g. LTE and HSPA+). Frequency ranges already in use are being refarmed by newer technologies (e. g. 1800 MHz).
- Moreover, new mobile service technologies allow offloading part of the mobile service traffic via other technologies (e. g. WLAN). This helps to reduce the dramatic increase of data traffic in the mobile service networks.
- Nonetheless, the growing demand for broadband and data communication in the mobile service networks and did increase data traffic considerably in the last years and it is not difficult to foresee a spectrum shortfall of the mobile service if no additional spectrum will be allocated.
- However, to accommodate growing traffic in mobile networks is only part of the problem. The need for nation-wide coverage and closing of broadband gaps is also part of the problem.
- Nation-wide coverage and closing of broadband gaps is important. Cell splitting is not an alternative in less densely populated under economical terms. Therefore it is important not to exclude any bands from consideration at this time.
- other services shall be taken into account but also the possibility:
 - to use more efficient technologies;
 - to offload traffic by other technologies; and
 - to use other media which may be better suited for broadband.
- The Mobile Industry strongly recommends studying in an open manner the future need of spectrum of the mobile service/IMT, whilst taking into account other services concerned, and to take decisions at WRC-15/16. WRC-12 shall adopt a corresponding agenda item.
- Any possible conflicts with other services shall be considered in the ITU-R studies prior to WRC-15/16
- The GSMA support the text agreed in PTA Biel on IMT only, namely:

to consider spectrum requirements for the development of terrestrial mobile broadband applications and possible regulatory actions, including additional allocations to the mobile service on a primary basis and identification of bands for IMT, taking into account Resolution [MOBILE-B] and the results of ITU-R studies.

- **The GSMA does not favour mixing an IMT agenda item with broadcasting as has been proposed in PTA.**