Report From the Meeting of
CEPT CPG PT-2
2-3, March 2004
(A. Roytblat/FCC)

The first meeting of Project Team 2 (PT-2) of the Conference Preparatory Group for WRC-03 (CPG03) of European Conference of Post and Telecommunications (CEPT) was held in Copenhagen, Denmark during 2-3, March 2004. In accordance with its Terms of Reference, PT-2 addressed the WRC-07 agenda items 1.2, 1.3, 1.7, 1.11, 1.17, 1.20, 1.21 and 7.1 (REC. 723). The highlights/decisions of the meeting, for each agenda item, are provided below.

Agenda Item 1.2 - *consideration of allocations and regulatory issues related to the Earth exploration-satellite (passive) service, space research (passive) service and the meteorological satellite service in accordance with Resolutions 742 (WRC-03) and 746 (WRC-03)*.

With regard to sharing issues between the passive services and the fixed and mobile services in the 36-37 GHz band (Res. 742), the PT-2 decided to collect data on existing and potential systems (including military applications) and to conduct studies with the objective to define suitable EIRP density levels for active services. On this issue, the NATO stated that military mobile radio stations need spectrum support for roaming without geographical constraints or "taboo areas". The NATO urged the PT-2 to consider that sharing criteria for the band 36-37 GHz must not unduly constrain its use by military fixed and mobile radio stations.

With regard to sharing issues between the passive services and the fixed and mobile services in the 10.6-10.68 GHz band (Res. 746), the PT-2 decided to determine sharing criteria between EESS (passive) and video SAP/SAB links (ref. ECC-Report 17) and to study any other sharing issues with applications in the mobile and fixed service for example potential Fixed Wireless Access (FWA) systems at 10.6-10.65 GHz.

With regard to extending the current 18.1-18.3 GHz geostationary meteorological satellites allocation in the space-to-Earth direction to 300 MHz of contiguous spectrum in the 18.0-18.4 GHz band (Res. 746), the PT-2 decided that:

- for sharing with FS/MS, it will be necessary to study the required separation distances between receiving meteorological ground stations and fixed service installations. The PT-2 will also seek to confirm that pfd limits applicable to the protection of FS from FSS and METSAT (in the band 18.1-18.3 GHz) could also be applicable to METSAT in the extended allocation. . The PT-2 noted that the sharing studies with the mobile service might not be necessary since there is no indication that this band will be used for mobile applications in the foreseeable future.
- for sharing with FSS/BSS, the PT-2 noted the need to conduct sharing analyses between GEO MetSats downliks and:
    - GSO and non-GSO FSS uplinks to establish required separation distances

between receiving MetSat ground stations and transmitting FSS earth stations.

- GSO and non-GSO FSS downlinks to consider the interference caused to the FSS earth stations.

Agenda Item 1.3 - *allocations related to the Earth Exploration-Satellite Service (active), Space Research Service (active) and the Radiolocation service in accordance with Resolutions 747 (WRC-03)*. With regard to this agenda item, the PT-2 expressed support for a worldwide allocation to the EESS (active) in the frequency band 9300-9500 MHz provided that sharing with other services is feasible. The PT-2 intends to consider the results of ITU-R WP-7C and WP-8B studies on the compatibility between EESS (active) and Radiolocation and Radionavigation systems in the band 9 300 – 9 500 MHz. The PT-2 position on upgrading of the radiolocation service to a primary allocation in the bands 9 000-9 200 MHz and 9 300-9 500 MHz remained inconclusive.

Agenda Item 1.7 - *sharing between the mobile-satellite service and the space research service (passive) in the band 1 668-1 668.4 MHz, and between the mobile-satellite service and the mobile service in the band 1 668.4-1 675 MHz*. With regard to this agenda item, the PT-2 decided to collect information on the characteristics of the planned space research (passive) systems (i.e., RADIO-ASTRON-Russia) and mobile service systems in the subject bands.

Agenda Item 1.17 - *allocation to the FSS for feeder links for non-geostationary-satellite networks in the mobile-satellite service with service links below 1 GHz in the bands 1390-1392 MHz (Earth-to-space) and 1430-1432 MHz (space-to-Earth)*. With regard to this agenda item, the PT-2 adopted the preliminary CEPT position to seek the following regulatory constraints on the possible FSS allocation:

- a pfd limit of [-164] dBW/m2 in 4 kHz in the band 1430-1432 MHz for the protection of the Fixed Service,
- an epfd limit of –243 dBW/m² in 27 MHz and –259 dBW/m² in any 20 kHz bandwidth for 98 % of 2000 seconds measurement periods at each radio astronomy station for spectral line observations in the band 1400-1427 MHz for the protection of the Radioastronomy Service,
- an emission power limit of [-98] dBW in any 4 kHz bandwidth of the band 1400-1427 MHz for the protection of the Earth Exploration satellite Service.

Agenda Item 1.20 - *regulatory measures for the protection of the Earth exploration-satellite service (passive) from unwanted emissions of active services in accordance with Resolution 738*. With regard to this agenda item, the PT-2 adopted a preliminary CEPT position that calls for appropriate regulatory measures to ensure the protection of the Earth exploration satellite service (passive) from unwanted emissions, without placing an undue burden on the relevant active services.

Agenda item 1.21 - *compatibility between the radio astronomy service and the active space services*. With regard to this agenda item, the PT-2 adopted a preliminary CEPT position that calls for protection of the radio astronomy service from the unwanted

emissions interference, while minimizing the impact on the active service. The PT-2 concluded that the Recommendation ITU-R SM.1633 should provide the basis for the application of unwanted emissions interference limits. The PT-2 urged the CEPT Administrations to provide the relevant characteristics of their radio astronomy stations as well as their planned or current use of the satellite service bands.

Agenda Item 7.1 (Rec. 723) – *results of ITU-R studies relating to operational and frequency issues of ENG on a global basis*. With regard to this agenda item, the PT-2 urged the CEPT administrations to contribute to WP6P information on ENG/OB allocations and introduction of digital technology. The PT-2 also requested the CEPT administrations participating in the ITU-R WP 6P to "ensure that WP6P will not develop anymore CPM text relating to WRC-07 agenda item 1.9."

Documents
The documents of this meeting are available at:
http://www.ero.dk

Next meeting
The next meeting of PT-2 is scheduled for 26-27 August 2004, in [TBD].