

28 June 2002  
Ref: Agenda Item 1.33 (HAPS)  
E-mail works best:  
Satathome66@aol.com

IWG-7/075 Rev. 1  
M. Lewellen/  
Sky Station International  
301-518-0900

Draft Proposal for Agenda Item 7.2  
Future Agendas for WRC-2006  
HAPS at 2 GHz

Background: The identification of certain frequency bands for HAPS operating as base stations to provide terrestrial IMT-2000 was made at WRC-2000, resulting in provisions to facilitate this being added to the Radio Regulations (5.388A). Resolution 221 from WRC-2000 includes provisional co-channel and out-of-band power-flux density limits for HAPS operation, for the protection of other stations either sharing the same band or operating in adjacent bands.

Resolution 221 asked for additional technical, operational and regulatory studies to be conducted, in order to review and, if necessary, revise, these limits. Resolution 221 also asked for consideration of appropriate regulatory and technical provisions to allow bilateral co-ordination of HAPS in an IMT-2000 system with affected neighboring administrations.

Based on the results of ITU-R studies, WRC-2003 is expected to adopt technical and operational provisions, including revised PFD thresholds for the operation of high altitude platform stations (HAPS) within IMT-2000 in the bands referred to in No. **5.388A**. The technical factors that should be considered during such a consultation are the subject of a PDNR at Working Party 8F (WP8F/TEMP/277). Provisional regulatory provisions for HAPS are also expected to be adopted.

## 2. Proposal for WRC-2006 Agenda

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“to review the provisional regulatory provisions, notification and the consultation process in relation to the operation of high altitude platform stations (HAPS) within IMT-2000 in the bands referred to in No. **5.388A**, in response to Resolution **221 ([WRC-2003])** with a view toward incorporating the provisions into the Radio Regulations.”

Reason: Provisional regulatory provisions for HAPS within IMT-2000 are likely to be adopted by WRC-2003. These procedures are likely to be contained in a modification to Resolution 221 and will define a notification and consultation process. Neighboring administrations will be consulted if the power-flux density (pfd) thresholds are exceeded on their territory.

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