PROPOSED REVISION OF THE PRELIMINARY VIEW OF THE US ON WRC-2011 AGENDA ITEM 1.20 (HAPS)
On behalf of HAPS proponents in IWG-2, February 2, 2009

AGENDA ITEM 1.20: *To consider the results of ITU-R studies and spectrum identification for gateway links for high altitude platform stations (HAPS) in the range between 5 850-7 075 MHz in order to support operations in the fixed and mobile services, in accordance with Resolution* ***734 (Rev.WRC-07)***

ISSUE: Different segments of the 5 850-7 075 MHz frequency band are utilized for fixed, fixed-satellite, and mobile services. Resolution **734 (WRC-07)** invites the ITU-R to study spectrum identification for gateway links for high-altitude platform stations in the range from 5 850 to 7 075 MHz. The study effort is to identify two channels of 80 MHz each for gateway links for HAPS in the range from 5 850 to 7 075 MHz, in bands already allocated to the fixed service, while ensuring the protection of existing services.

BACKGROUND:

Previous WRC efforts (WRC-97, WRC-2000, WRC-03 and WRC-07) had undertaken initiative to examine HAPS types of applications in various frequency bands. Due to the fact that all previous studies were carried out in frequency bands significantly higher than 5 850-7 075 MHz, new electromagnetic compatibility (EMC) studies will have to be initiated and conducted. The EMC studies will have to address HAPS ability to coexist with the fixed, mobile, and fixed-satellite services in the band 5850-7075 MHz as well as with radiolocation service, which is allocated in bands adjacent to 5850 MHz and remote sensing systems which operate in the 6425-7075 MHz band under No. 5.458. Until those studies are complete, the Regulations governing the use of the two, 6GHz, 80 MHz-wide channels that may be identified for HAPS cannot be specified.

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At its November, 2008 meeting, International ITU-R Working Party 5C adopted "Working document towards a preliminary draft new recommendatob F. [HAPS MODELLING] whch included the following sentences: "The identification of any spectrum for HAPS in the 6 GHz band should ensure the protection of existing services. Resolution 734, *recognizing h)* also indicates a potential limit on future deployment of existing services which must be taken into account when examining sharing studies.

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The CEPT has also used only the specific phrase "ensure the protection of existing services."

U.S. VIEW:

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The United States supports the studies for potential HAPS identification in the 5 850 – 7 075 MHz band. The identification of any spectrum for HAPS in the 6 GHz band should ensure the protection of existing services in the range 5850-7075 MHz and in adjacent bands,

Deleted: ~~not constrain the use of the 5 850-7 075 MHz band or the adjacent bands by any application of the services to which they are allocated.~~