

**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) resolves to invite ITU-R to extend the sharing studies, with a view to identifying 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. [Rick & Roy support this change. Don, Dave W, Suzanne, Jack, & Majid object to this or any change.]

BACKGROUND:

Previous WRC efforts (WRC-97, WRC-2000, WRC-03 and WRC-07) [Rick & Roy support this change. Don, Dave W, Suzanne, Jack & Majid object to this or any change.] 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 mobile, fixed satellite services as well as with radiolocation service, which exists in adjacent frequency bands. [Bill Rummier, Vish, & others support recognizing the fixed service in the previous sentence. If so, then the text needs to indicate "other applications in the fixed service", per Steve Baurch. Don, Dave W, Suzanne, Jack & Majid object to this or any change.] 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. [Rick & Roy support this change. Don, Dave W, Suzanne, Jack & Majid object to this or any change.]

Land-based and maritime radiolocation systems operate in the lower adjacent frequency band. Fixed, mobile, and fixed-satellite systems also operate in the 5 850-7 075 MHz band. Remote sensing systems operate in the 6 475-7 075 MHz band.

U.S. VIEW:

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. [Rick & Roy support this change. Don, Dave W, Suzanne, Jack & Majid object to this or any change. Potential alternatives here that were suggested but not agreed include the existing text + inserting "unduly" before constrain or something along the lines of "should not place greater constraints on FSS deployment than that placed by conventional FS implementations", recognizing that it would be necessary to also include other primary services in the text.]

Formatted: Font: 11 pt

Deleted: proposes

Deleted:

Deleted: 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.

Formatted: Font: 11 pt

Formatted: Font: 11 pt, Highlight

Formatted: Font: 11 pt, Highlight

Formatted: Font: 11 pt

Formatted: Font: 11 pt, Highlight

Formatted: Font: 11 pt, Highlight

Formatted: Font: 11 pt, Highlight

Formatted: Font: 11 pt

Formatted: Highlight

Formatted: Highlight

Formatted: Highlight

Formatted: Highlight

Formatted: Highlight

Formatted: Highlight

Deleted: ¶

Formatted: No underline

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.

Formatted: Font: 11 pt

Formatted: Font: 11 pt

Formatted: Highlight

Formatted: Highlight

Formatted: Highlight

Formatted: Font: 11 pt, Highlight

Deleted: ¶

Formatted: Font: 11 pt