

IWG-2/059
Author: S. Baruch
April 5, 2006

Mr. Donald Abelson
Chief of the International Bureau
Federal Communications Commission
445 12th Street SW
Washington, D.C. 20554

Dear Mr. Abelson:

The National Telecommunications and Information Administration (NTIA), on behalf of the Executive Branch Agencies, have approved the release of an additional draft Executive Branch proposal for WRC-07. This proposal considers the federal agency inputs toward the development of U.S. Proposals for WRC-07.

The enclosed document contains a draft proposal for agenda item 1.12, which addresses the coordination of the radionavigation-satellite service (space-to-space) in the bands 1 215-1 300 MHz and 1 559-1 610 MHz. This proposal is forwarded for your consideration and review by your WRC-07 Advisory Committee. Jim Vorhies of my staff is the primary contact for NTIA.

Sincerely,

(Original signed by Karl Nebbia February 17, 2006)
Fredrick R. Wentland
Associate Administrator
Office of Spectrum Management

Enclosure

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda Item 1.12: to consider possible changes in response to Resolution **86 (Rev. Marrakesh, 2002)** of the Plenipotentiary Conference: “Advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks” in accordance with Resolution **86 (WRC-03)**;

Coordination of the radionavigation-satellite service (space-to-space) in the bands 1 215-1 300 MHz and 1 559-1 610 MHz

Background Information: The scope and criteria to be used for the implementation of Resolution **86 (Rev. Marrakesh, 2002)** of the Plenipotentiary Conference by future world radiocommunication conferences (WRCs) is established in Resolution **86 (WRC-03)**. *Resolves 1* of Resolution **86 (WRC-03)** relates to the consideration of proposals dealing with deficiencies in the advance publication, coordination and notification procedures of the Radio Regulations for space services, and *Resolves 2* relates to consideration of proposals intended to transform the content of the Rules of Procedure into regulatory text.

WRC-2000 added the space-to-space direction to the existing radionavigation-satellite service (RNSS) (space-to-Earth) allocations in the bands 1 215-1 300 MHz and 1 559-1 610 MHz, along with footnote **5.329A**. WRC-03 added footnote **5.328B**, which applied coordination between two non-GSO RNSS systems and between non-GSO and GSO RNSS systems in the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz under Nos. **9.12**, **9.12A** and **9.13** after 1 January 2005, without specifying direction (i.e., space-to-Earth or space-to-space). Coordination between GSO RNSS systems in the same bands (space-to-Earth and space-to-space) is covered by No. 9.7, again without specifying direction (i.e., space-to-Earth or space-to-space).

No. **9.11A** applies the coordination provisions of Nos. **9.12** to **9.16** where the requirement to coordinate is included in a footnote to the Table of Frequency Allocations referring to No. **9.11A**. Since WRC-2000, the Rules of Procedure (RoP), issued by the Radio Regulations Board (RRB), rather than the Radio Regulations have defined the services and frequency bands for which the coordination procedure under No. **9.11A** is required. The RRB considered the application of No. **9.11A** to the bands given in No. **5.329A** (i.e., 1 215-1 300 and 1 559-1 610 MHz) and interpreted the Regulations as excluding RNSS (space-to-space) assignments in the bands given in No. **5.329A** from any obligation to coordinate with other services and with RNSS (space-to-Earth), but as obliging these RNSS (space-to-space) assignments to coordinate with each other.

In addition, many RNSS (space-to-space) network assignments are receive-only in the bands 1215-1 300 MHz and 1 559-1 610 MHz. Resolution **610 (WRC-03)**, as referenced in No. **5.328B**, requires administrations to provide evidence of binding agreements for the manufacture, procurement, and launch of RNSS systems and networks. This resolution was intended to aid bilateral coordination between transmitting RNSS systems and networks by ensuring such

systems are either in operation or in the process of being implemented. Requiring Resolution **610 (WRC-03)** data for receiving space stations is unnecessary.

Therefore, modifications to No. **5.329A** and No. **5.328B** are needed to reflect the RRB decision that requires RNSS (space-to-space) to coordinate only with other RNSS (space-to-space) but not with other services or with RNSS (space-to-Earth), and to remove Resolution **610 (WRC-03)** obligations from RNSS receiving space stations. Additionally, to ensure that the obligation on RNSS (space-to-space) networks under No. 5.329A is also adequately reflected for geostationary RNSS (space-to-space) networks with respect to GSO RNSS (space-to-Earth) networks in the 1215-1300 MHz and 1559-1610 MHz bands (a coordination scenario not encompassed by Nos. 9.12, 9.12A, and 9.13), the modification to No. 5.328B refers as well to No. 9.7.

Proposal

USA/ /1 MOD

5.329A Use of systems in the radionavigation-satellite service (space-to-space) operating in the bands 1 215-1 300 MHz and 1 559-1 610 MHz is not intended to provide safety service applications, and shall not impose any additional constraints on ~~other radionavigation-satellite service (space-to-Earth)~~ systems or on other services operating in accordance with the Table.

Reasons: To clarify that “other systems” in No. **5.329A** refers to the radionavigation-satellite service (space-to-Earth) and that “services” refers to services other than the radionavigation-satellite service.

USA/ /2 MOD

5.328B The use of the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz by systems and networks in the radionavigation-satellite service for which complete coordination or notification information, as appropriate, is received by the Radiocommunication Bureau after 1 January 2005 is subject to the application of the provisions of Nos. **9.12, 9.12A** and **9.13**. As a consequence of No. 5.329A, for systems or networks in the radionavigation-satellite service (space-to-space) in the bands 1 215-1 300 MHz and 1 559-1 610 MHz, the application of the provisions of Nos. 9.7, 9.12, 9.12A and 9.13 is only with respect to other systems or networks in the radionavigation-satellite service (space-to-space). Resolution **610 (WRC-03)** shall also apply, but only to transmitting space stations.

Reasons: To make it clear that the application of the coordination procedure in Nos. **9.7, 9.12, 9.12A** and **9.13** to RNSS (space-to-space) systems and networks is only with respect to other radionavigation-satellite service (space-to-space) systems and networks in the bands 1 215-1 300 MHz and 1 559-1 610 MHz and to limit the application of Resolution **610 (WRC-03)** to transmitting space stations.
