

**WORK METHOD OF THE SUB-WORKING GROUP ON HARMFUL INTERFERENCE OF
UNAUTHORIZED TRANSMISSIONS TO SATELLITE SYSTEMS**

The VII Meeting of the Permanent Consultative Committee II: Radiocommunications including Broadcasting,

CONSIDERING:

- a) The importance of seeking optimal operation of satellite services in the region;
- b) That interference harmful to satellite networks from unauthorized emissions is considered a disruption from which major economic and technical losses ensue, for Administrations and satellite operators of the region and users; and
- c) That the Administrations of CITEL see a need to develop measures to address harmful interference from unauthorized satellite system emissions harmful to in the Americas,

BEARING IN MIND:

That, at the VI Meeting of PCC.II, it was decided to establish a Sub-Working Group to develop proposals intended to identify solutions to problems of harmful interference of unauthorized transmissions to satellite communication systems,

RESOLVES:

That said sub working group take account of the Work Plan attached hereto.

INVITES:

All member Administrations of CITEL interested to participate in this Sub-Working Group.

¹ Document CCP.II-RADIO/doc. 1032/06 rev.1

ANNEX TO RESOLUTION PCC.II/RES. 31 (VII-06) ²

**WORK PLAN TO ADDRESS INTERFERENCE HARMFUL
TO SATELLITE SYSTEMS IN THE REGION**

APPROVED ACTIVITY	PROPOSED ACTIONS TO BE CARRIED OUT
<p>1 Updated registry of terrestrial stations. Each Administration requires an updated registry of all the transmitting earth stations that operate within its national territory, including all relevant information such as geographical coordinates, address, antennas, satellites to which they transmit operational frequencies, etc.</p>	<p>1.1 Encourage Administrations to have this Register. 1.2 Promote the updating of the Register. 1.3 Promote the public availability of the Register. 1.4 Propose an appropriate Register format for Administrations that do not have one. 1.5 Promote to create a earth station data base for the control of the Administrations.</p>
<p>2 Training of the technical staff and staff that regulates, supervises or operates of transmitting earth stations. It is essential that the operational staff of the earth stations receive training to operate the equipment, which must be recognized by the Administration.</p>	<p>2.1. Design curricula for seminars or courses. 2.2. Select among the available courses of satellite operator members of PCC.II. 2.3. Offer them through the CITEL's Regional Training Centers. 2.4. Promote the dissemination of such courses.</p>
<p>3. Dissemination of cases where exemplary sanctions have been applied. It is suggested that a dissemination system be established among CITEL Administrations directed at registered earth stations, in order to discourage new attempts to transmit without authorization and indicating the cases that have occurred and the sanctions that have been applied.</p> <p>4. Disseminate/Report the earth stations that are discovered transmitting without authorization. Find a mechanism for disseminating or reporting on earth stations that incur in unauthorized transmissions, alerting the different satellite operators that have landing rights in each member</p>	<p>Create a space in CITEL's website to disseminate the most representative cases of harmful interference.</p>

² Document CCP.II-RADIO/doc. 1032/06

APPROVED ACTIVITY	PROPOSED ACTIONS TO BE CARRIED OUT
country of CITEL.	
<p>5. Periodic verification of transmissions. It is considered convenient that the relevant Administrations carry out periodic verifications of transmissions without advance warning, in order to ensure that earth stations are transmitting according to the frequency assignment plan.</p>	<p>5.1 Establishment of certified monitoring groups, including methods and tools needed to carry out this action when so requested.</p> <p>5.2 Intensive participation by satellite operators is recommended.</p>
<p>6. Characterize cases of unauthorized transmissions that may occur. It is necessary to define what would be considered as an unauthorized transmission. Basically, the suggestion is apply this definition to any transmission occurring outside the authorized frequencies; however, it should also be noted that accidental transmissions may occur due to human error or equipment failure, or intentional transmissions.</p>	<p>6.1 Development of a glossary of concepts and definitions agreed among the countries of CITEL.</p>
<p>7. Unify criteria at the regional level. Apply the same criteria within the CITEL Administrations to characterize unauthorized transmissions.</p>	<p>7.1 Development of a glossary of concepts and definitions agreed among the countries of CITEL.</p>
<p>8. Establish standardized sanctions in all the member countries of CITEL. The idea is to establish standardized sanctions at regional level, in such a way that all member countries of CITEL apply similar sanctions in accordance with criteria previously established and agreed among the different Administrations.</p> <p>9. Compensation for damage, bandwidth used and travel costs of the satellite operator. Efforts would be made to find a way to ensure that any earth station discovered transmitting without authorization, pays for the damage caused by their interference to third parties, as well as the bandwidth used and any travel costs incurred by the satellite operator in searching for the source of the interference.</p>	<p>8.1 Development of a method for participation by satellite operators, Administrations, and users in efforts made in coordination with entities involved in the interference detection and elimination process.</p> <p>8.2 Method should also include quantification of costs and damages caused by interference, and sanctions therefor.</p>

APPROVED ACTIVITY	PROPOSED ACTIONS TO BE CARRIED OUT
<p>10. Establish working procedures with the satellite operators involved. It is indispensable that satellite operators work in coordination with the corresponding Administration of each country, given that they cannot take action on their own account to find the source of the interference, and that such a search may entail risks.</p>	