

PCC.II/RES. 150 (XLI-23)¹

INTER-AMERICAN CONTRIBUTION FOR WP 5A RSTT

The 41 Meeting of Permanent Consultative Committee II: Radiocommunications (PCC.II),

CONSIDERING:

- a) That the procedure for submitting Inter-American Contributions (IAC) was approved by Resolution PCC.II/ RES. 129 (XXXII-18).
- b) That ITU-R WP 5A is developing the Preliminary Draft New Recommendation ITU-R entitled “Harmonization of spectrum for existing and future Railway Radiocommunication Systems between train and trackside (RSTT) within the frequency band allocated to the mobile service” (Preliminary Draft New Recommendation ITU-R M.[RSTT_FRQ]), intended to try to provide harmonized frequency ranges for RSTT.
- c) That it is convenient to provide a contribution to WP 5A to reflect the situation in Region 2.

RESOLVES:

- 1. To approve the Inter-American Contribution (IAC) contained in the Annex of this Resolution.
- 2. To request the Secretariat of CITELE to send to the next meeting of the Working Party 5A of the International Telecommunication Union (ITU) the IAC of Annex in the time established by such organization.

¹ CCPII-2023-41-5844

**ATTACHMENT 1 TO PCC.II/RES. 150 (XLI-23)
INTER-AMERICAN CONTRIBUTION FOR WP 5A RSTT**

Region 2

Table A3-1

Frequency ranges harmonized or considered for harmonization for RSTT in Region 2

Region 2		
Application	Frequency ranges within the existing mobile service allocations under consideration or proposed for harmonization	Harmonized frequency ranges within the existing mobile service allocations in Region 2²
Train Radio	USA: 160.215-161.565 MHz 452.92500/457.92500 MHz 452.95000/457.95000 MHz 2 000-18 000 MHz	At least two Adm: 148-174 MHz More number of Adm: 160.215-161.565 MHz Greater range of frequencies with at least one Adm: 136-174 MHz At least two Adm: 410-450 MHz and 450-470 MHz More number of Adm: 452.95-457.00 MHz Greater range of frequencies with at least one Adm: 410-470 MHz At least two Adm: 898.4-928 MHz More number of Adm: 902-928 MHz Greater range of frequencies with at least one Adm: 800-930 MHz At least two Adm: 1.5 GHz, 2-10.5 GHz and 17.7-18.0 GHz More number of Adm: 7 110-7 125 MHz Greater range of frequencies with at least one Adm: 1.427-19.7 GHz
	CAN: 160.170-161.580 MHz 452/457 MHz	
	B: 148-174 MHz 380-400 MHz (TETRA) Parts of 403-470 MHz 459.7875-469.7875 MHz 900-930 MHz 1.5 GHz 2.4 GHz 6.5 GHz 7.5 GHz 10.5 GHz	
	ARG: 4.5-7 MHz 150-170 MHz 410-450 MHz 450-470 MHz 490-512 MHz 800-900 MHz 1 427-1 525 MHz 7 110-7 725 MHz 17 700-19 700 MHz	
	MEX: 160-174 MHz 350-380 MHz 898.4-901/943.4-946 MHz 6 425 - 7 125 MHz	

² These frequency ranges have not been harmonized yet and they are still under study in Region

Region 2		
Application	Frequency ranges within the existing mobile service allocations under consideration or proposed for harmonization	Harmonized frequency ranges within the existing mobile service allocations in Region 2²
	<p>JMC: 162.0375-174 MHz 902-928 MHz 450-470 MHz 21 200-23 600 MHz</p> <p>BOL: 136-174 MHz</p>	
Train Positioning	<p>USA: 44 MHz 219.500-222 MHz^(*) 452.9375-457.9375 MHz^(*) 896.8875-897.9875 MHz 935.8875-936.9875 MHz 902-928 MHz</p> <p><u>BOL:</u> 450-460 MHz^(*)</p>	<p>At least two Adm: 220-222 MHz More number of Adm: 220-222 MHz Greater range of frequencies with at least one Adm: 219.5-222 MHz</p>
	<p>CAN: 452.9375-457.9375 MHz^(*) 896/935 MHz 902-922 MHz</p>	
	<p>B: 157-170 MHz (VHF Digital) 459.4375-469.7875 MHz^(*) 900-930 MHz 2.4 GHz 5 GHz</p>	<p>At least two Adm: 459-469 MHz More number of Adm: 459-469 MHz Greater range of frequencies with at least one Adm: 450-470 MHz</p>
	<p>ARG: VHF = 240 MHz – 300 MHz UHF = 410 MHz – 450 MHz UHF = 450 MHz – 470 MHz 458.075 MHz^(*) UHF = 470 MHz – 490 MHz</p>	<p><u>For EoT/HoT:</u> At least two Adm: 452.00 - 460.00 MHz More number of Adm: 452.9375 - 457.9375 MHz Greater range of frequencies with at least one Adm: 450.00 - 469.7875 MHz</p>
	<p>MEX: 220-222 MHz 400 MHz 452-458 MHz^(*)</p>	
	<p>JMC: 26.4200-27.5000 MHz 3.75-4.0 MHz 4.4880-4.6500 MHz</p>	

Region 2		
Application	Frequency ranges within the existing mobile service allocations under consideration or proposed for harmonization	Harmonized frequency ranges within the existing mobile service allocations in Region 2²
{Train Positioning sub-group} EoT/HoT	CAN: 452.9375-457.9375 MHz	At least two Adm: 452.00-460.00 MHz More number of Adm: 452.9375-457.9375 MHz Greater range of frequencies with at least one Adm: 450.00-469.7875 MHz
	USA: 219.5-222 MHz 452.9375-457.9375 MHz	
	ARG: 458.075 MHz	
	BOL: 450-460 MHz	
	B: 459.4375-469.7875 MHz	
	MEX: 452-458 MHz	
Train Remote	USA: 220.9625-221.00 MHz 221.9625-220.00 MHz 452.9000-452.96875 457.9000-457.96875 MHz	At least two Adm: 452.00-457.96875 MHz More number of Adm: 452.9000-452.96875 MHz Greater range of frequencies with at least one Adm: 452.00-458.00 MHz USA and CAN report 220 MHz
	CAN: 812/857 MHz 452/457 MHz 220 MHz	
	MEX: 452-458 MHz	
	B: 2.4 GHz	
Train Surveillance	B: 403-470 MHz (under implementation)	See Note 1
	JMC: 4 800-4 990 MHz 5 470-5 725 MHz (under implementation)	

Note 1: No possible frequency ranges to be harmonized were found at the time of preparing this document.

Note: Values in grey correspond to ranges not consistent with any other Administration for that type of system.

[\(*\)These frequency ranges are used for EoT/HoT](#)