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| **APT Conference Preparatory Group for WRC-15** |  |
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Source: APG15-2/OUT-27

**preliminary views on WRC-15 agenda item 1.15**

**Agenda item 1.15:**

*to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution 358 (WRC-12)*

APT Preliminary Views

* APT supports ITU-R studies on the spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution **358 (WRC-12).**
* Possible Methods to address this Agenda item are:
	+ The use of analogue system with 12.5 kHz channel spacing that can double the capacity.
	+ Transition from analogue system to digital system, by using Time Division Multiple Access (TDMA) or Frequency Division Multiple Access (FDMA) that can provide up to 4 times the capacity compared with traditional 25 kHz system.
	+ Continuous Tone-Coded Squelch System (CTCSS) and/or Digital Coded Squelch (DCS) could be used in analogue FM equipment to mitigate co-channel interference.

This may require revision of footnote No**. 5.287** and Recommendation ITU-R M.1174-2.

* No constraints should be placed on the existing analogue on-board communication systems with 25 kHz channel spacing.
* Studies on sharing and compatibility between on-board UHF communication stations and IMT systems should be taken into consideration if new frequencies are required.

Other Views

No other views.

Issues for Consideration at APG15-3 Meeting

APT Members are encouraged to contribute their views, taking into account the APT Preliminary Views and submit contributions to the next APG meeting (APG15-3).

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