



INFORMATION PAPER 170103

HF BAND DIGITAL MODE SEGMENTS

This paper provides a summary of the band segments recommended in the IARU and Australian band plans for digital mode operation. Some revision of the Australian band plans is desirable. Our band plans should wherever possible be harmonised with the IARU plans applying overseas, and adequate spectrum should be provided to cater for existing needs and for further expansion in the future.

The table below shows the digital segments as per the three IARU regional plans, alongside the current Australian plan. After the details for each band, there is a note that outlines what changes, if any, are recommended in order to bring the digital segments in the Australian band plans fully into line with the IARU plans.

Finally, on the following page, there is a summary of the recommended band plan changes.

Please address comments on these proposals to tac (at) wia.org.au.

Notes:

Numbers in brackets refer to the maximum occupied bandwidth in the relevant segment (Region I and II plans). The designation "DX" refers to segments recommended for use only for contacts between different IARU regions. The following frequencies are reserved for the exclusive use of propagation beacons: 1 kHz either side of the carrier frequencies 14.100 MHz, 18.110 MHz, 21.150 MHz, and 24.930 MHz, plus the whole segment 28.190 - 28.225 MHz.

The IARU Region III plan is subject to review at the present time.

Region I Band Plan 2016	Region II Band Plan 2016	Region III Band Plan 2015	Australia Current Band Plan
135.7 - 137.8	-	135.7 - 137.8	137.4 - 137.8
Note: Australian band plan is already consistent with IARU guidelines. No changes needed.			
475 - 479	472 - 479	472 - 479	474 - 479
Note: Australian band plan is already consistent with IARU guidelines. No changes needed.			
1838 - 1840 (500) 1840 - 1843 (2700)	1800 - 1810 (500)	No Region III plan for this band	1800 - 1810 1810 - 1815 (DX)
Note: This plan should be held over at least until IARU Region III has completed its review.			
3570 - 3580 (200) 3580 - 3600 (500)	3570 - 3580 (200) 3580 - 3600 (500)	3580 - 3600	3620 - 3640 (current) 3570 - 3600 (proposed)
Note: Proposed change of Australian segment to 3570 - 3600 would make our plan fully compatible with all IARU regions.			
7040 - 7050 (500) 7050 - 7053 (2700)	7040 - 7050 (500)	7030 - 7040 7040 - 7060 (DX)	7040 - 7060
Note: Australian band plan is already consistent with IARU guidelines. No changes needed.			

Region I Band Plan 2016	Region II Band Plan 2016	Region III Band Plan 2015	Australia Current Band Plan
10.130 - 10.150 (500)	10.130 - 10.140 (500) 190.140 - 10.150 (2700)	10.130 - 10.1250	10.130 - 10.140 (DX) 10.140 - 10.150

Note: Australian band plan is already consistent with IARU guidelines. No changes needed.

14.070 - 14.100 (500)	14.070 - 14.100 (500)	14.070 - 14.100 (500)	14.070 - 14.112
14.100 - 14.112 (2700)	14.100 - 14.112 (2700)	14.100 - 14.112 (2700)	

Note: Australian band plan is already consistent with IARU guidelines. No changes needed.

18.095 - 18.110 (500)	18.095 - 18.110 (500)	18.095 - 18.110 (500)	18.100 - 18.110
18.110 - 18.120 (2700)	18.110 - 18.120 (2700)	18.110 - 18.120 (2700)	

Note: To harmonise with all three IARU regions, our digital segment should be expanded to 18.095 - 18.120 MHz.

21.070 - 21.110 (500)	21.070 - 21.110 (500)	21.070 - 21.125	21.070 - 21.125
21.110 - 21.120 (2700)	21.110 - 21.120 (2700)	21.125 - 21.150 (DX)	
21.120 - 21.150 (500)			

Note: To harmonise with IARU plans, extend our digimode segment to 21.070 - 21.150 MHz.

24.915 - 24.930 (500)	24.915 - 24.930 (500)	24.915 - 24.930	24.920 - 24.930
24.930 - 24.940 (2700)	24.930 - 24.940 (2700)	24.930 - 24.940 (DX)	

Note: To harmonise with IARU plans, extend our digimode segment to 24.915 - 24.940 MHz.

28.070 - 28.190 (500)	28.070 - 28.190 (500)	28.070 - 28.150	28.050 - 28.150
		28.150 - 28.190 (DX)	

Note: To harmonise with all three IARU regions, realign our digimode segment to 28.070 - 28.190 MHz.

BAND PLAN DIGITAL MODE SEGMENTS SUMMARY OF RECOMMENDED BAND PLAN CHANGES

80 Metres:	Relocate digimode segment to 3570 - 3600 kHz.
30 metres:	Extend the digimode segment to 20 kHz (10.130 - 10.150 MHz). (Note also other current proposals re SSB segment.)
17 metres:	Extend the digimode segment (currently only 10 kHz) to 18.095 - 18.120 MHz.
15 metres:	Extend the digimode segment to 21.070 - 21.150 MHz.
12 metres:	Extend the digimode segment (currently only 10 kHz) to 24.915 - 24.940 MHz.
10 metres:	Realign the digimode segment to 28.070 - 28.190 MHz.