



Wireless Access Providers' Association of South Africa
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Annexure A

Category 1 – IMT Frequency Bands								
No	Band	Q1: Rate¹ the importance of this band to your business	Q2: Does your firm use this band? (Y/N)	Q3: If yes to Q2, what does your firm use this band for?	Q4: Does your firm have plans to use this band in the future?	Q5: If your firm uses this band or plans to use it, what is the value (in annual revenues) of the use of this band for your application?	Q6: If yes to Q2, what would be the impact if you had to vacate this band?	Q7: Additional comments and if yes to Q2, how many sites in total have you deployed for this band and how many sites per province
1	450 – 455 & 455 – 456 & 456 – 459 & 459 – 460 & 460 – 470MHz	1	N	N/A	N	N/A	N/A	N/A
2	617 – 652MHz paired with 663 – 698MHz	1	N	N/A	N	N/A	N/A	N/A
3	694 – 790MHz	1	N	N/A	N	N/A	N/A	N/A

¹ **1** = Not relevant to my organisation; **2** = minor relevance but not commercially relevant to my organisation; **3** = Some relevance commercially to my organisation; **4** = Reasonably commercially relevant to my organisation; **5** = Critical commercial relevance to my organisation.



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4	733 – 758MHz (700MHz guard frequency bands)	1	N	N/A	N	N/A	N/A	N/A
5	790 – 862MHz	1	N	N/A	N	N/A	N/A	N/A
6	862 – 890MHz (including 862 – 876MHz)	1	N	N/A	N	N/A	N/A	N/A
7	890 – 942MHz	1	N	N/A	N	N/A	N/A	N/A
8	924 – 960MHz	1	N	N/A	N	N/A	N/A	N/A
9	1350 – 1375MHz paired with 1492 – 1518MHz	1	N	N/A	N	N/A	N/A	N/A
10	1375 – 1400MHz paired with 1427 – 1452MHz	1	N	N/A	N	N/A	N/A	N/A



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11	1452 – 1492MHz	1	N	N/A	N	N/A	N/A	N/A
12	1492 – 1518MHz	1	N	N/A	N	N/A	N/A	N/A
13	1880 – 1900MHz (1880 – 1920MHz + 1885 – 1980MHz)	1	N	N/A	N	N/A	N/A	N/A
14	1980 – 2010MHz / 2170 – 2200MHz + 2010 – 2025MHz	1	N	N/A	N	N/A	N/A	N/A
15	2010 – 2025MHz planned for IMT	1	N	N/A	N	N/A	N/A	N/A
16	2025 – 2110MHz paired with 2200 – 2285MHz	1	N	N/A	N	N/A	N/A	N/A
17	2300 – 2400MHz	1	N	N/A	N	N/A	N/A	N/A



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18	2500 – 26900MHz	1	N	N/A	N	N/A	N/A	N/A
19	3300 – 3400MHz	1	N	N/A	N	N/A	N/A	N/A
20	3400 – 3600MHz	1	N	N/A	N	N/A	N/A	N/A
21	3600 – 3800MHz	1	N	N/A	N	N/A	N/A	N/A
22	3800 – 4200MHz	1	N	N/A	N	N/A	N/A	N/A
23	4800 – 4990MHz	1	N	N/A	N	N/A	N/A	N/A
24	24.25 – 27.5GHz	4	N	Currently unavailable to us .	Y	N/A	N/A	Fixed Links and BFWA
25	37 – 43.5GHz (including 38 - 39.5GHz for HAPS)	1	N	N/A	N	N/A	N/A	N/A
26	45.5 – 47GHz	1	N	N/A	N	N/A	N/A	N/A
27	47.2 - 48.2GHz	1	N	N/A	N	N/A	N/A	N/A
28	66 - 71GHz	1	N	N/A	N	N/A	N/A	N/A

Category 1 – Frequency bands for other Radiocommunications Services

No	Band	Q1: Rate ² the importance of this band to your business	Q2: Does your firm use this band? (Y/N)	Q3: If yes to Q2, what does your firm use this band for?	Q4: Does your firm have plans to use this band in the future?	Q5: If your firm uses this band or plans to use it, what is the value (in annual revenues) of the use of this band for your application?	Q6: If yes to Q2, what would be the impact if you had to vacate this band?	Q7: Additional comments and if yes to Q2, how many sites in total have you deployed for this band and how many sites per province
29	75.2 – 87.5MHz	1	N	N/A	N	N/A	N/A	N/A
30	138 – 144MHz	1	N	N/A	N	N/A	N/A	N/A
31	150.05 – 153MHz	1	N	N/A	N	N/A	N/A	N/A
32	156.4875 – 156.5625MHz	1	N	N/A	N	N/A	N/A	N/A
33	156.875 – 174MHz	1	N	N/A	N	N/A	N/A	N/A
34	174 – 223MHz	1	N	N/A	N	N/A	N/A	N/A
35	214 – 230MHz T-DAB	1	N	N/A	N	N/A	N/A	N/A
36	223 – 230 & 230 – 238MHz	1	N	N/A	N	N/A	N/A	N/A
37	238 – 267MHz	1	N	N/A	N	N/A	N/A	N/A
38	335.4 – 380MHz	1	N	N/A	N	N/A	N/A	N/A

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39	380 – 387 & 387 – 390 & 390 – 399.9MHz	1	N	N/A	N	N/A	N/A	N/A
40	410 – 420 & 420 – 430MHz	1	N	N/A	N	N/A	N/A	N/A
41	440 – 450MHz	1	N	N/A	N	N/A	N/A	N/A
42	470 – 493MHz	4	Y	TVWS (PtP & PtMP)	Y	\$25 USD if US backed TVWS scale project proceeds. 1 600 base stations servicing 50 000 hotspots	Loss of non-LOS solutions for deployments in rural and semi-rural underprivileged areas.	4 base stations and 30 hotspot endpoints across 3 provinces. Gauteng, Limpopo and KZN.
43	825 – 830 & 870 – 875MHz	1	N	N/A	N	N/A	N/A	N/A
44	1518 – 1525MHz	1	N	N/A	N	N/A	N/A	N/A
45	1525 – 1530 & 1530 -1535 & 1535 – 1559MHz	1	N	N/A	N	N/A	N/A	N/A
46	1668 – 1675MHz	1	N	N/A	N	N/A	N/A	N/A
47	2290 – 2300MHz	1	N	N/A	N	N/A	N/A	N/A



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48	5470 – 5725MHz	5	Y	WAS & RLAN	Y	This band is used in support of the services detailed in Figure 2 – Revenue by Connection Type	Significant loss of connectivity/backhaul capacity resulting in material disruption to current member business operations and their ability to service subscribers	All provinces & members, approximately 5 700 high sites with 350 000 endpoints
49	5725 – 5850MHz	5	Y	WAS & RLAN, BFWA	Y			
50	5850 – 5925MHz	5	N	N/A	Yes, where allocation is made for use on a licence exempt basis	Speculative contribution of reallocation in this band difficult to quantify but highly likely to drive down cost of retail services offered by WAPA members and consequently the cost to communicate	N/A	Required for spectrum congestion relief in 5.8GHz
51	5925 – 6425MHz	5	N	N/A				
52	6425 – 7025MHz (or 7125MHz)	5	N	N/A				
53	10700 – 11700MHz	5	Y	PtP links	Y	This band is used for backhaul and in support of the services detailed in Figure 2 – Revenue by Connection Type	Significant loss of connectivity/backhaul capacity resulting in material disruption to current member business operations and their ability to service subscribers	All provinces, precise number of deployments varies between members.
54	15 400 – 15700MHz	1	N	N/A	N	N/A	N/A	N/A



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55	57 – 66GHz	5	Y	PtP links	Y	This band is used for backhaul and in support of the services detailed in Figure 2 – Revenue by Connection Type	Loss of critical high-throughput backhaul	All provinces, precise number of deployments varies between members. Would like band to be opened for PtM application.
56	71 – 76GHz & 81 – 86GHz	5	Y	PtP links	Y			All provinces, precise number of deployments varies between members.