

**Table 3 Proposed migration plan**

<b>Frequency Band (MHz)</b>	<b>Existing Allocation in NRFP 2010 (Applications)</b>	<b>Proposed Utilization/ Applications</b>	<b>Notes on migration/ usage</b>
75.2 – 87.5	MOBILE except aeronautical mobile (Private and communal repeaters)	Allocate (81 – 81.625 MHz) BTX paired with (86.375 – 87 MHz) MTX for dual frequency (DF) alarms as per SABRE  DF and SF links remain as-is	Migrate in DF alarms in line with original SABRE 1 proposed allocation (SABRE proposal, refer 4.4)  Other SF / DF links can be maintained for use in private/ communal repeaters  (refer to 4.10.1)
138 – 143.6	MOBILE  Fixed  (SF alarms, SF Mobile, MTX-BTX paired links, Remote controlled industrial apparatus)	Expand allocation for SF Alarms to (140.5 – 141.5 MHz)  Mobile 1 MTX-BTX pairing remain as-is	Migrate SF Mobile (141 – 141.5 MHz) out of this band and allocate for SF alarms (New ICASA Proposal) <sup>14</sup>  Migrate remote controlled industrial apparatus from 141 – 142 MHz to ISM Band (New ICASA Proposal)  (refer to 4.10.2)
150.05 – 153	FIXED  MOBILE except aeronautical mobile  (Alarms, telemetry, SF Mobile and paging <sup>15</sup> )	Single frequency alarms (152.05 – 152.55 MHz)  Alarms, Single Frequency Alarms & load shedding (148.950-151 MHz)	152.05 – 152.55 MHz should be exclusively allocated to SF alarms. All other users must migrate out of this band  (refer to 4.10.3)

<sup>14</sup> Proposal only if alarm systems cannot be migrated to more spectrally efficient technologies

<sup>15</sup> Alarms, SF Mobile. In-house paging and load shedding (148.95 – 151 MHz); SF Alarms (152.05 – 152.55 MHz); Government Service Wildlife Telemetry Tracking (148 – 152 MHz); SF Mobile (152.55 – 153.05 MHz)

Frequency Band (MHz)	Existing Allocation in NRFP 2010 (Applications)	Proposed Utilization/ Applications	Notes on migration/ usage
156.4875 – 156.5625	MARITIME MOBILE (distress and calling via DSC)  FIXED MOBILE (Maritime Radio-navigation and location (radar), SF mobile in inland areas)	Maritime Distress (distress and calling via DSC)  SF Mobile (in in-land areas)	Migrate any SF mobile (156.375 – 156.7625 MHz) operating inland in the vicinity of water-bodies out of this band (in accordance with ITU Appendix 18) (refer to 4.10.4)
156.8375 – 174	MOBILE except aeronautical mobile (R)  Mobile Satellite Services (Earth-to-space)	Migrate BTX-DF (165.55 – 167.4875 MHz) to (172.05 – 173.9875 MHz) swap with the MTX-DF band	(1) ensure that the appropriate nesting of the spectrum is carried out by swapping the MTX and BTX allocations as proposed  (2)- Conduct technical feasibility study into simplex frequencies (FDMA or TDMA) with different channel spacing – including coexistence of multiple technologies, bandwidth etc.  (refer to 4.10.5)
174 – 223	BROADCASTING (TV)	TV Broadcasting (174 – 214 MHz)  T-DAB (214 – 230 MHz)  As per SADC FAP proposed common sub-allocation/ utilization	TV Band III (GE-06 applies)  Migration from analogue to digital in accordance with planned SADC timelines  T-DAB would be the new service introduced in this band  (refer to 4.10.6)
223 – 230	BROADCASTING (TV)	T-DAB (214 – 230 MHz)	TV Band III (GE-06

Frequency Band (MHz)	Existing Allocation in NRFP 2010 (Applications)	Proposed Utilization/ Applications	Notes on migration/ usage
		As per SADC FAP proposed common sub-allocation/ utilization	applies) Migration from analogue to digital in accordance with planned SADC timelines T-DAB would be the new service introduced in this band (refer to 4.10.7)
230 – 267	BROADCASTING (TV) MOBILE	230 – 238 MHz TV Broadcasting (DTT) 238 – 242.95 MHz PMR 242.95 – 243.05 MHz International Distress 243.05 – 246 MHz Low power devices 246– 254 MHz TV Broadcast (DTT) (Channel 13) 254 – 267 MHz PMR as per SADC FAP proposed common sub-allocation/ utilization and modified according to submission comments.	TV Band III (GE-06 applies) Migration from analogue to digital in accordance with planned SADC FAP timelines Migration as per SADC FAP proposed common sub-allocation/ utilization (refer to 4.10.8)
335.4 - 387	FIXED MOBILE	335.4-336 MHz/ 346.0-356.0 MHz/ 366.0-380.0 MHz PMR and/or PAMR 336-346 MHz paired with 356-366 MHz Fixed Wireless Access/ PTP/PTMP rural system	Migrate existing fixed links to above 3 GHz – subject to study (refer to 4.10.9)

Frequency Band (MHz)	Existing Allocation in NRFP 2010 (Applications)	Proposed Utilization/ Applications	Notes on migration/ usage
380 – 400	FIXED (380 – 387 MHz) MOBILE (380 – 400 MHz) (Public safety, SAPS, DOD, Army etc.)	380.0-387.0 MHz paired with 390.0-397.0 MHz for digital systems to be used for PPDR  387.0-390.0 MHz paired with 397.0-399.9 MHz. To be used mainly for digital systems (PMR and/or PAMR)  (SADC FAP proposed common sub-allocation/ utilization)	Consolidate all public safety services into this band, migrating all users falling into this category into this band  (New ICASA proposal)  Other links to be migrated out as per SADC FAP proposed common sub-allocation/ utilization  (refer to 4.10.10)
405 – 430	FIXED Mobile except aeronautical mobile (Government services, Mobile Data and public trunking)	PMR and/ or PPDR  (SADC FAP proposed common sub-allocation/ utilization)  Public digital trunking only (New ICASA proposal)	Migrate government services (especially SAPS) to public safety band 380 – 400 MHz,  Mobile Data - Migrate Mobile Data users out of this band  Band reserved for Public Digital Trunking (New ICASA proposal)  (refer to 4.10.11)
440 – 450	FIXED Mobile except aeronautical mobile (Short range business radio and PMR)	Short range business radio and PMR (New ICASA proposal)  Other allocations stay as-is	Other users to be migrated out of the sub-band for Short-range business radio (440 – 440.1/ 445 – 445.1 MHz) (New ICASA proposal)  (refer to 4.10.12)
450 – 470	FIXED MOBILE (Trunked Mobile Railways, Mines etc.)	Mobile (IMT) as per WRC-07 (Res. 224)	Carry out feasibility on this band.  (refer to 4.10.13)
470 – 790	BROADCASTING	Co-primary allocation to	Digital Dividend 2; 694-

Frequency Band (MHz)	Existing Allocation in NRFP 2010 (Applications)	Proposed Utilization/ Applications	Notes on migration/ usage
	RADIO ASTRONOMY	MOBILE excluding aeronautical mobile (i.e. IMT at WRC-12)	790 Plan migration of broadcast to below 694 in 2015 aligned with on-going studies within ITU-R  Migrate studio links out to PTP bands.  Migrate self-help stations below 694 MHz (refer to 4.10.14)
790 – 862	FIXED BROADCASTING  MOBILE except aeronautical mobile (TV Broadcast including fixed links (Secondary transmitter links))	IMT (Terrestrial) (WRC-07)	Digital Dividend 1; Broadcast to be migrated out by 2015.  Align with the on-going efforts within the 800 MHz band as defined in Notice 911 of 2011 Government Gazette 34872 as amended / replaced  Migrate studio links out.  Migrate self-help stations below 692 MHz (refer to 4.10.15)
862 – 890	FIXED  MOBILE except aeronautical mobile (Wireless audio (863-865 MHz),  Fixed links (868.1–876 MHz), RFID (865 – 868 MHz), RFID (869.4- 869.65 MHz) Alarms (868.6 – 868.7 MHz, 860.25 –	Mobile (IMT) (as per SADC FAP proposed common sub-allocation/ utilization)	Migrate to IMT as per SADC FAP proposed common sub-allocation/ utilization to facilitate development of harmonized channelling arrangement.  Align with the on-going efforts within the 800 MHz band as defined in Notice 911 of 2011 Government Gazette

Frequency Band (MHz)	Existing Allocation in NRFP 2010 (Applications)	Proposed Utilization/ Applications	Notes on migration/ usage
	869.3 MHz, 869.65 – 869.7 MHz) Wireless Access Services (824-849 MHz paired with 869-894 MHz) Mobile (880-890 MHz paired with 925-935 MHz))		34872 as amended / replaced.  Align with ITU-R WP5D agreement on the appropriate channel plan for the 700 MHz/800 MHz frequency bands for Region 1.  (refer to 4.10.16)
890 – 942	MOBILE except aeronautical mobile  (Mobile (890-915 MHz paired with 925-935 MHz)  Several RFID systems (915.1 – 921 MHz), (GSM900 band)	Allocations maintained as-is	(refer to 4.10.17)  Spectrum re-farming when deemed required may be carried out based upon defined process (refer to <b>Error! Reference source not found.</b> )
942 – 960	MOBILE except aeronautical mobile  (GSM 900)		No migration planned  Spectrum re-farming when deemed required may be carried out based upon defined process (refer to <b>Error! Reference source not found.</b> )
1350 – 1375 paired with 1492 – 1517  1375 – 1400 MHz paired with 1427 – 1452	FIXED (Fixed low capacity PTP DF links)	Rural BWA both fixed and mobile (Modified ICASA proposal)	Allocate to rural BWA; maintain existing links where required.  Potential band for IMT under WRC-15 Agenda Item 1.1.  Migration planning after decision at WRC-15 (enabling

Frequency Band (MHz)	Existing Allocation in NRFP 2010 (Applications)	Proposed Utilization/ Applications	Notes on migration/ usage
			harmonization, equipment availability etc.) (refer to 4.10.19)
1452 – 1492	BROADCASTING BROADCASTING-SATELLITE (T-DAB and S-DAB (L-band))	FIXED MOBILE (except aeronautical mobile) BROADCASTING BROADCASTING-SATELLITE (T-DAB and S-DAB (L-band)) FWBA/ PTP/ PMP/ LMR (New ICASA proposal)	Currently allocated to T-DAB (1452 – 1479.5 MHz) and S-DAB (1479.5 – 1492) Propose to align allocation with ITU Region 1 (New ICASA proposal) (refer to 4.10.20) Feasibility study on the various options.
1518 – 1525	FIXED MOBILE-SATELLITE (space-to-earth)	Band is currently not occupied; potential application for LMR repeaters (New ICASA proposal)	No change in allocation and no migration at this stage (refer to 4.10.21)
1525 – 1559	(1525 – 1530 MHz) SPACE OPERATION (space-to-earth) FIXED MOBILE-SATELLITE (space-to-earth) Earth exploration satellite Mobile except aeronautical mobile (Mobile satellite services)	potential application for LMR repeaters (New ICASA proposal)	Migrate in fixed links for LMR repeaters, band could also be used for outside-broadcasting links currently operating in 2300 – 2450 MHz (New ICASA proposal) (refer to 4.10.22)
	(1530 – 1535 MHz) SPACE OPERATION (space-to-earth)		No migration planned (refer to 4.10.22)