

UK LAND SAR BAND PLAN

Channel	Frequency	Allocation / Use:	Remarks
62a	156.125MHz (FM, 25kHz)	Simplex R/T Emergency Calling Channel (ECC)	<b>Emergency Calling Channel (ECC).</b> It is mandatory that this channel be constantly monitored by all land SAR parties, mobiles, base stations and airborne units engaged on land SAR incidents. Maximum authorised operating ceiling is 6,500 feet
53a	158.650MHz (FM, 25kHz)	Simplex R/T Current (Interim) Primary G2A Channel.	(Current) Ground-Air-Ground channel. Until all SAR-dedicated helicopters have Marine Band VHF radio fit with the new band plan installed, this is to be used as the sole Ground to Air (G2A) land SAR Channel. The channel will revert to 12½kHz band-spacing in 2009. Maximum authorised ceiling is 6,500 feet
24a	157.200MHz (FM, 25kHz)	Simplex R/T Post 'Interim' G2A Channel	(Eventual) Ground-Air-Ground channel - when all SAR-dedicated helicopters have VHF radio installations with the land SAR band plan. Will take over from Ch 53a in Scotland, England and Wales at an agreed date. No repeaters or rebroadcast units to be used on this channel. Maximum authorised operating ceiling is 6,500 feet
63a	156.175MHz (FM, 25kHz)	Simplex R/T Team Default Channel Now called Team Working Channel (TWC)	Land SAR Team Working Channel (TWC). Allocated as a default, on a no-ownership basis and distributed so as to avoid interference with other land SAR users. Major incidents supersede this - see below - 'Statements'.
64a	156.225MHz (FM, 25kHz)	Simplex R/T / TWC Team Default Channel	Conditions as 63a, above
24b	161.800MHz (FM, 25kHz)	Simplex R/T / TWC Team Default Channel	Conditions as 63a, above
62b	160.725MHz (FM, 25kHz)	Simplex R/T / TWC Team Working Channel	Conditions as 63a, above
63b	160.775MHz (FM, 25kHz)	Simplex R/T / TWC Team Working Channel	Conditions as 63a, above
64b	160.825MHz (FM, 25kHz)	Simplex R/T / TWC Team Working Channel	Conditions as 63a, above
85a	157.275MHz (FM, 25kHz)	Simplex R/T Team Working Channel	Conditions as 63a, above
85b	161.875MHz (FM, 25kHz)	Simplex R/T Team Working Channel	Conditions as 63a, above
91 (94)	155.350MHz (FM, 12½kHz)	Duplex R/T Regional restrictions apply	May be used as Simplex R/T or paired with another suitable channel if Channel 92 is regionally restricted.
92 (94)	147.475MHz (FM, 12½kHz)	Duplex R/T Regional restrictions apply	May be used as Simplex R/T or paired with another suitable channel if Channel 91 is regionally restricted.
93	152.850MHz (FM, 25kHz)	Simplex R/T Scotland - Regional restrictions apply	Allocate as required. If not used as repeater pair, could be used for line searches and stretcher-lowering
94 made up of 91 & 92	155.350MHz 147.475MHz	Duplex R/T unless regional restrictions apply	This channel number has been assigned for the channel 91 & 92 combination - repeater pair - England & Wales.
95 made up of 92 & 93	147.475MHz 152.850MHz	Simplex R/T Scotland - Regional restrictions apply	This channel number has been assigned for the 92 & 93 channel combination - repeater pair - Scotland. See Annex C for bandwidth conditions on Ch 93 in Scotland.
96	147.350 MHz (FM, 12½kHz) (FM, 25kHz in Scotland)	Simplex R/T. Rebroadcast up/down link	This channel has been assigned for use as a rebroadcast feeder link channel (up-down channel). See Annex C for bandwidth conditions in Scotland.
97			Reserved - Not yet allocated
98 (100)	168.350MHz (FM, 12½kHz)	Scotland. GPS Tracking Data	Data transfer medium is FFSK
99 (100)	174.0375MHz (FM, 12½kHz)	Scotland GPS Tracking Data	Data transfer medium is FFSK
100	168.350MHz 174.0375MHz	GPS Tracking Data	This channel pairing (98 & 99) is for the provision of GPS tracking information from portable/mobiles to Base/Control
105	86.3125MHz (FM, 12½kHz)	Low Band SAR Channel	This has been allocated in Scotland as a feeder link for cross-band rebroadcasting.
106	86.325MHz (FM, 12½kHz)	Low Band Channel	
Ø (Zero)	156.000MHz (FM, 25kHz)	Simplex R/T Emergency Use	(1) Remote land SAR parties with medical emergency - for initial contact with transiting SAR helicopters. (2) For making operational contact with HMCG. (3) Under HMCG control, for HMCG->land SAR communications
73	156.675MHz (FM, 25kHz)	Simplex R/T Ground / Air Overflow Channel Coastal G2A - at HMCG behest Routine land SAR use to cease	Can exceptionally be used as an overflow Ground/Air channel if Channel 53a is too busy. When Ch 24a eventually takes over as the Ground to Air Channel, Ch73 will continue as the G2A overflow and Ch53a, soon to be 12½kHz bandwidth, will assume another role. Ch73 may be used by land SAR under direct control of CG MRCC/MRSC. This channel can be used by SAR airborne units for coastal G2A, under HMCG direction

Statements

- Major Incidents** – During major incidents, the Incident Communication Controller(s) will allocate channels as necessary, paying due regard to the advantages of maintaining the local area Team Working Channel arrangement and adjusting the working channels of incoming teams from other regions as necessary. All the RAF MRTs have agreed to use Ch85a as their shared default channel; this should be borne in mind if the channel is re-assigned. It is strongly recommended that incident controllers keep all airborne units on the ECC land-SAR channel, except when using the G2A during winching operations.
- Land SAR marine band channels, with the exception of 24a, may be used in conjunction with VHF to UHF / mmO2 Airwave Gateways.
- Channels 53a, 93 and 96-(in Scotland) will revert to 12.5 kHz bandwidth on 31st December, 2009.