

This specification has been devised to enable the equipment to meet the demands of the operational requirements and possible future expansion whilst,ensuring that it conforms to all relevant licence and technical specifications as laid down by the Radio Communications Agency. It should be read in conjunction with the MSA SAFETY & MEDICAL FREQUENCY GUIDANCE & ADVICE NOTES document.

- 1) All equipment must comply with MPT1326, or ETS 300086 at the time of first purchase. Equipment specified to MPT 1301 and later updated to MPT1326 will not be acceptable.
- 2) Hand held equipment will not be acceptable as the primary radio.
- 3) Minimum recommended channel capacity of equipment is –4
- 4) Frequency 81.57500 Mhz. FM.
- 5) Power level will be a maximum of 10 Watts ERP. +
- 6) Channel spacing 12.5 KHz.
- 7) CTCSS, both encode and decode, is mandatory, open channel working is not permitted \*
- 8) Selcall #
  - A) Tone set to be used will be EEA.
  - B) Tone length 40ms.
  - C) The equipment must be capable of encoding and decoding any number of tones between 3 and 6.
  - D) Revertive Selcall operation will be mandatory. (Answer back)
  - E) ANI will be mandatory at the end of each transmission.
  - F) The facility to display or input variable digits will not be permitted.
  - G) Upon decoding its own ID the equipment must emit an audible warning and provide visual indication of being called. The cancellation of the visual indication is to be a manual operation.
- 9) Transmission time out timer must be used and set at 30 seconds. This must give an audible warning to the user but not necessarily the listener that transmission is about to be or has ceased

#### **Notes)**

- +      Ensure equipment is approved for use at this power level**
- \*      CTCSS tones will be notified by the MSA**
- ~      Selcall and ANI details will be issued by the MSA**