

## Wicen Control Room Equipment

VHF System	Antenna 3 dB vertical whip RF Cable (full screen) Bottom connector	RFI COL 17 or similar full band coverage (146 MHz) LDF-450 or similar , loss not to exceed 3 dB N type female (Wicen to supply patch cables)
Data	Antenna Horizontal RF Cable Bottom connector	No antenna to be fitted. (Wicen to fit as required) LDF-450 or similar , loss not to exceed 3 dB N type female (Wicen to supply patch cables)
UHF system	Antenna 6 dB vertical whip RF Cable Bottom connector	RFI COL 8 or similar full band coverage (435 MHz) LDF-450 or similar , loss not to exceed 3 dB N type female (Wicen to supply patch cables)
HF system	Antenna dipole RF Cable Bottom connector Dipole Antenna Support	No antenna to be fitted. (Wicen to fit as required) LDF-450 or similar , loss not to exceed 3 dB N type female (Wicen to supply patch cables) Hills Telemast FC164 with mount FC602498 or similar 12m mast. (mast would be left down where ease of access & erection allowed otherwise mast to be fitted with lanyard & pulley)
Phone		Access to 2 PSTN phone lines (one for modem)

Antennas to be mounted such that the isolation provided allows use of all radios at same time.  
Cables must be of full shield types to provide isolation.  
All cables to be earthed & lightning protection equipment fitted where required.  
Unconnected cables on roof to be labelled and made waterproofed.  
Cables to be terminated onto a labelled wall mounted panel.

Other things to consider are

- Space for equipment & Operators
- Access
- Back-up mains power system