

Telecommunications Equipment Specifications

Item 1 - HF Station Specifications

Each HF Station consists of the following:

<i>Qty</i>	<i>Item</i>	<i>Example</i>
1	Transceiver	ICOM IC-718
1	Antenna Tuner	ICOM AT-180
1	Microphone	ICOM SM6
2	Antennae	G5RV -2KW PEP assembled
1	Power supply	Astron RS35M/BB-110V/220V
1	8ft Ground Rod (<i>local purchase</i>)	
1	Car battery 80 amp min. (<i>local purchase</i>)	

Item 2 – Mobile HF Station Specifications

Each HF Station consists of the following:

<i>Qty</i>	<i>Item</i>	<i>Example</i>
1	Transceiver	ICOM IC-718
1	Antenna Tuner	ICOM AT-180
1	Vehicle Antennae	

Item 3 - VHF Station Specifications

Each VHF Station consists of the following:

<i>Qty</i>	<i>Item</i>	<i>Example</i>
1	Transceiver	Motorola PRO 5100 16 ch. 45 watts
1	Base antenna	Decibel db222 (150-158MHZ)
1	100ft cable RG-9913 W/connectors	PL259
1	Power supply	Astron RS35M/BB-110/220V

Item 4 - VHF Handheld Specifications

1	Transceiver	Motorola PRO5150 16ch 5 watt
1	Rapid charger 110/220 volts	
1	Spare battery	

Item 5 - Mobile VHF Station Specifications

Each VHF Station consists of the following:

<i>Qty</i>	<i>Item</i>	<i>Example</i>
1	Transceiver	Motorola PRO 5100 16 ch. 45 watts
1	Vehicle antenna	

Item 6 - VHF Marine Radio Specifications

Each Marine Radio installation should consists of the following:

<i>Qty</i>	<i>Item</i>	<i>Example</i>
1	Transceiver	ICOM IC-M402W02
1	Base antenna	Decibel DB-222 (155-1620)
1	Power supply	

Item 7 - CB Radio Specifications

Each CB Radio base station consists of the following:

<i>Qty</i>	<i>Item</i>	<i>Example</i>
1	Transceiver	Cobra 148NW-ST
1	Base antenna	Solarcon A-99
1	100ft Cable RG-9913 w/connectors PL259	
1	Power supply	

Item 8 - HF Yagi Antenna

3 Element

Range: 7 - 28 MHz

Must be capable of frequencies. 7,14,21 & 28Mhz

Item 9 - VHF Directional Antenna

3 Element

Range: 150 - 174

Specific frequency will be provided when ordering

Item 10 – Antenna Rotor

Heavy Duty Rotor

To support the weight of the above mentioned Yagi antenna

Item 11 - Antenna Structure

Antenna structure to be a 60' commercial grade self supporting heavy duty tower. Consider a local contractor to construct base for tower support.

Item 12 - VHF Base Antenna

Same as No. 3 example: Decibel db222 (150-158MHZ)

Notes:

- Voltage may differ from country to country.
- Power supply should be upgraded to 50 amps if shared. The upgrade model Would be Astron RS50M-BB-220V or 110V.
- Dipoles for specific frequencies such as 7.850 MHz. can be made using commercial grade antenna wire, center connectors and end insulators.
- A three-way way antenna switch with ground position should be installed with each base station.