



CAHIER DES CLAUSES TECHNIQUES
PARTICULIERES

Fourniture de radios hf – vhf - handsets

De par ses activités, Handicap international nécessite ensemble de radios HF/VHF et Handsets.

A travers le présent appel d'offre, Handicap international poursuit plusieurs objectifs et notamment : standardiser sa flotte de radios, garantir les délais de livraison et de SAV, avoir une lisibilité tarifaire, sécuriser ses relations contractuelles.

Tout candidat devra donc veiller à présenter une offre à-même de répondre à ces besoins, conformément aux descriptifs ci-dessous :

1. VHF BASE / MOBILE radios

TRANSCEIVER General:

Power : 25 W
Band : 150-174 Mhz
Minimum specifications :
meets MIL810 C/D/E/
IP54 minimum
16 channels minimum
PC programing
channel name facilitie,
Robust hand mike,
Mounting bracket,
DC cord with Car Fuse std,

Are an asset :

- + More channels,
- + 40-50W RF level,
- + Tx -Tx cloning facilities,
- + Direct entry programing,
- + Large display,
- + Front Loudspeaker,
- + Rear side ground connection,
- + Chassis flat braid supplied,
- + Antenna plug : BNC or PL chassis

2. HF RADIO MOBILE :

Mobile HF station supplied with transceiver, antenna, mounting set , fuse, and wiring.

TRANSCEIVER General :

RF Power : 100-150 W
Mode : SSB - AM
Band : 1,8-30 Mhz
Minimum specifications :
meets MIL810 C/D/E/
SELCALL facilities
20 channels,

PC programing,
channel name facilitie,
Mounting bracket
DC cord with Car Fuse std,

Are an asset :

- + Direct entry programing,
- + Rear side transceiver ground connection,
- + *SELCALL facilities with desactivation of the selcall mute).*
- + Microphone metal fixation,
- + Fixation of the microphone wire on the dashboard,
- + Transceiver grounding / chassis flat braid supplied,

HF MOBILE ANTENNA :

Automatic tuner complet,
Coax : Aircell 5 cable, plugs soldered.
Mecanical fixation for bushbar,

3. HF RADIO BASE :

Base HF station supplied with transceiver, antenna, mounting set , fuse, and wiring.

TRANSCEIVER General :

RF Power : 100 -150 W PEP
Mode : SSB - AM
Band : 1,8-30 Mhz

Minimum specifications :

meets MIL810 C/D/E/

SELCALL facilities

20 channels

PC programing

channel name facilitie,

Mounting bracket

DC cord with Car Fuse std,

Would be a must :

- + Direct entry programing,
- + Rear side transceiver ground connection,
- + *SELCALL facilities with desactivation of the selcall mute).*
- + Metal fixation of the microphone,

ANTENNA : HF LOOP antenna set SMART TUNER + fitting

Antenna wire lenght : 50m

Auto tune system,

Plug & play fitting,

Supplied ready to setup : with pulley, ropes etc...

Coax : Aircell 7 - 30m – soldered,

30m DC power cable with fuse.

4. VHF radios HANDSET

General :

Power : 5W
Band : 150-174 Mhz
Minimum specifications :
meets MIL810 C/D/E/
IP54 minimum
16 channels minimum
Li Ion battery 2000mA minimum
PC programing
CTCSS facilities

Are an asset :

- + More channels,
- + Tx -Tx cloning facilities,
- + Direct entry programing,
- + Large display,
- + 220Vac & 12Vdc individual charger,

5. INSTALLATION :

To be added in HF and VHF BASE pack :

Grounding set with copper braid and stick.
Base coax : 30m - Aircell 7 - connector soldered -
Standing Waves Ratio.

Optional module for HF and VHF base pack :

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|---------------|---|
| HF & VHF BASE | A) Power for RADIO base : <ul style="list-style-type: none">- GEL 12Vdc 85Ah battery- Automatic charger for Gel type battery, 15A minimum.IP65 – 110/260Vac Car fuse on wires |
| HF & VHF BASE | B) 12Mtrs mast set for rapid installation
Supplied complet with UV resist ropes,
Convenient for SATCOM , VHF and HF antennaes.
Max. 320 cm lenght packaging. |
| HF & VHF | C) Basic tools set , for mobile installation |

Specific and to be added for VHF pack:

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|----------------------|--|
| VHF Base antenna : | Wide range 150-174 Mhz ground plane / No adjustment |
| VHF Mobile antenna : | Magnetic 5/8 wave with Aircell5 coax, soldered plug. |