

Emergency Response Units (ERU), telecommunication

Code	Description	Ind. price	Ship. weight	Ship. Vol.
No code	ERU, Telecommunication	CHF 100'000.00	900kg	3m ³

Cold chain: No Dangerous: No Regulated: **Yes** Authorisation licence

General information

- ❑ The purpose of this ERU is to provide communications within a disaster area & with the Secretariat in Geneva as well as support to other information technology systems.
- ❑ The Unit implements the necessary telecommunication system for one main office plus 2 vehicles and 10 handsets. Additional equipment can be provided from existing telecom stock (regional stock or Geneva).
- ❑ Indicative staffing patterns
 - 1 Telecommunication Officer Team Leader
 - 1 Telecommunication Technician
 - 1 Operator
- ❑ Latest Federation Telecom & IT standard are available on the DMIS web site:
 - https://www-secure.ifrc.org/dmis/response/telecom/dmi_telecom.asp

Specifications

1. Telecom Co-ordination and needs Assessment

Overall co-ordination in telecom (projects, networks, etc...) for the Federation and the National Societies involved.

Co-ordination with Ministry of Telecommunications (licences, agreements, etc..) and other partners (ICRC, UN agencies, NGO's, etc...)

Assessment of telecommunication and computer systems necessary for the operation.

Establishment of operating procedures and manual.

2. Establishment of satellite link

Establishment of communications with the Secretariat via public networks or satellite (voice, E-mail, etc...)

3. Establishment of radio links

Installation of VHF base stations, mobiles, and distribution of handsets.

Installation of HF network - base, mobile and Pactor.

4. Support data communication and computer systems

Establish data communications links.

Support computers systems (hardware & software).

5. Training & Support

User support for Telecommunications and Computer systems.

Users training.

Identification and training of local operators.

Network maintenance and enhancement.

Support of other ERU teams in the telecommunication domain.

List of content

HF PACTOR Telecom ERU Module

CHFBANTEBROD	HF antenna FRA 1530 broadband 1.8 - 30 or equivalent	2
CCABCOAX8DFB	Rolls of 8D-FB coaxial cable	2
	Standard computer laptop	1
	Standard portable printer	1
	Transport bag for computer, printer and accessories	1
	UHF connectors for 8D-FB	20
CHFBMAST10M	10 meters masts 10 m	2
	7 meters masts	4
KCOMMASTHOLD	Kit guying	2
CHFBANTELOGPER	Log periodic antenna	1
	PACTOR II Modem Swiss PTC (IFRC code)	2
	Garmin 30 GPS with connection to NGT transceiver	2
CHFBDIVEASTRON	ASTRON power supply SS30M	2
	SWR meters	2
CHFMTXTRNGT	NGT transceivers	2
	Mobile antenna for NGT transceivers	2
	Switch for coaxial cable	1
	12 V to 220 V adapter	1
	Pairs of battery terminal	3
	Set of electrical extension cord, adapters, plugs and sockets	1
	Transport boxes	

VHF Telecom ERU module

CVFMTXTRGM-3---	Motorola GM 360 for car installation (with mobile antennas)	4
CVFBANTEHUS-2	Base antenna (Procomm 153-166 or Hustler 154-161 MHz)	2
KCOMTXTRGP360V	VHF kit GP 360	10
	Multi charger 12 V 6 positions with PSU 220 V AC	1
	Pair battery terminal	1
CCABCOAX8DFB	Roll of 8D-FB coaxial cable	1
	UHF connectors for 8D-FB	10
	Kit guying	1
CHFBDIVEASTRON	Astron power supply	1
	N male / UHF female adapters	2
	UHF connectors for RG 58	4
	Transport box	1

Satcom Telecom ERU module

CSATINMAN-GAN	GAN satphone with telephone and accessories	1
CSATSTELFAX	Fax unit for GAN with spare papers	1
	Pair battery terminal	1
CHFBDIVEASTRON	ASTRON Power supply	1
	Transport box	

Computer Telecom ERU module

	Standard laptop	2
	Standard portable printer	1
	Carrying case for laptop, printer and accessories	2
	Spare cadridgges for portable printer	4
	Backup device Peerless Firewire	1
	Peerless cadridges	3
	Firewire PCMCIA card	1
	Full set of Standard Federation CDROM (standard, advance, OS, laptop image, desktop image)	1
	External modem 3COM courier V.everything	1
	Serial cable for null modem (DB9 female - DB 9 female)	1
	Serial cable DB 9 female - DB 25 fmale	2
	Serial cable for Satphone DB9 female - DB 9 male	2
	Spare printer cable	3
	Electrical protection (Hivoltguard or equivalent)	2
	RJ 11 - RJ 11 telephone cable	2
	Furk end RJ 11 telephone cable	5
	Electrical extension and power adapter /plug / socket set	1
	Set of RJ 45 - UTP grade 5 LAN network cable	1
	Cross cable RJ45 - UTP grade 5	1
	10/100 Hub (3COM)	1
	Transport box	

Generator Power Supply Telecom ERU module

	Generators 2.6 kVA	2
	220 V to 12 V converter	1
	Electrical extension and power adpter / plugs / socket set	1
	Transport box	

Solar Panel Telecom ERU Module

KENGSOLA4P	Solar panel kit 4 panels	1
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Standard tools set Telecom ERU module

KCOMTOOLELE	KIT Tool box for radio telecom	1
KCOMTOOLEMS	KIT Tool box instruments for radio telecom	1
KCOMTOOLMEC	KIT Tool box, mechanic for radio telecom	1
	KIT Hammer driller with bits	1
	KIT hand drill machine	1
	Safety kit	1
	CODAN programming set	1
	NGT programming cable	1
	Programming cable for GM 360	1
	Programming cable for GP 300 (with RIB)	1
	Programming cable for GP 360	1
	Standard laptop computer	1
	Carrying case for laptop and accessories	1
	Handheld GPS Etrex	1
	Windup radio	1
	Electrical protection device (hivoltguard or equivalent)	1
	Set of power cord extension, adapters, plugs and sockets	1
	Transport box	

Personal Equipment module

The unit is self-supporting (shelter and sanitation facilities, food, cash flow, spare parts, etc...) for a maximum period of 21 days.