

Telecommunications for Refugees Relief Operations



UNHCR

is mandated by the United Nations to lead and coordinate international action for the worldwide protection of refugees and the resolution of refugee problems.



UNHCR

Created in December 1950

Now helps:

• nearly 19.8 million persons of concern, 12 millions of these are refugees

In more than 140 countries, 33 % in Africa

• 244 offices in 118 countries including HQs in Geneva

 \odot 80% of our 5 528 staff members work in the Field

Executive Committee of 53 member countries

In 2002, UNHCR worked with 694 NGOs implementing partners, 393 of these were national NGOs



UNHCR

Global financial requirements
from 1985: \$ 445 million
to 2003: \$ 1 billion
All but a small fraction of UNHCR's budget comes from voluntary contributions
UN contribution totals \$ 20 million only
UNHCR activities depend principally on donations



UNHCR Telecommunications

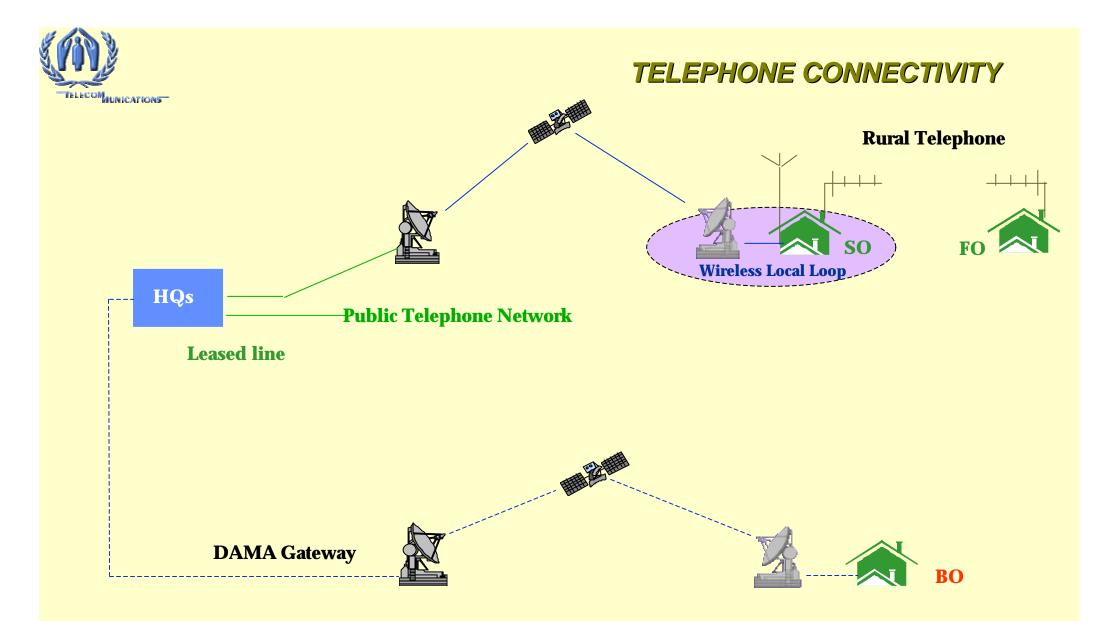
- Provides means of communications for UNHCR staff and implementing partners
 - for staff safety, operation co-ordination and administration within the Field and between Field and HQs
 - both for routine and during emergency operations where no telecommunications infrastructure is available



UNHCR Telecommunications

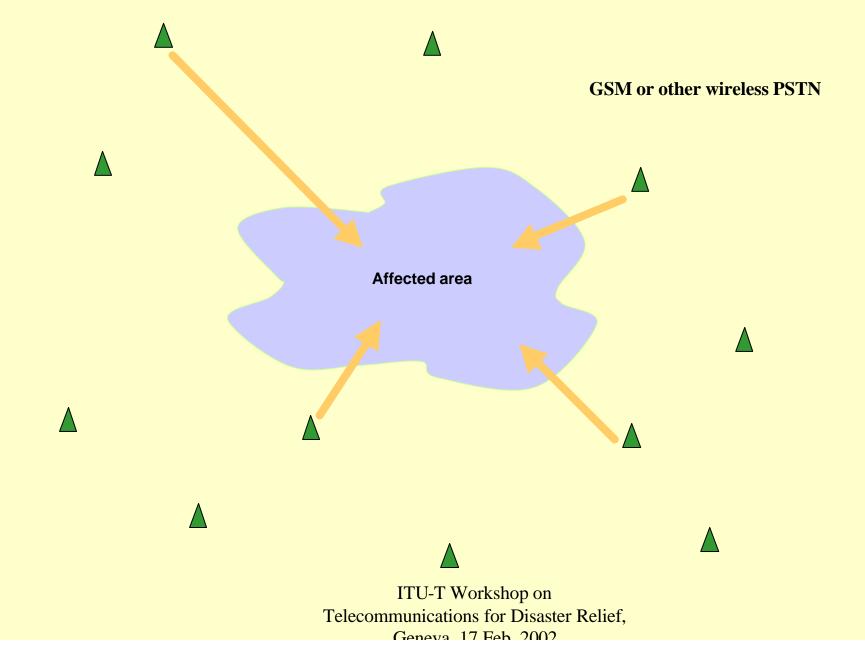
UNHCR has established networks using:

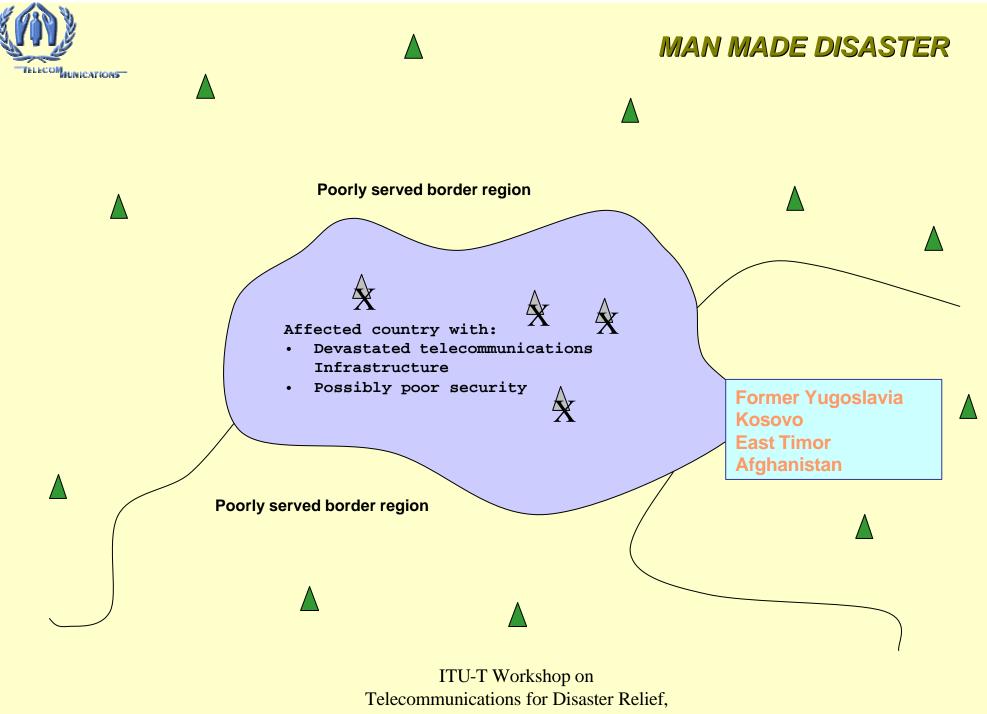
ı HF	Voice & Data
B VHF	Voice & Data
Satellite terminals	Voice, Fax & Data
SAT SAT	Voice, Fax & Data
🖻 SITA	Data





NATURAL DISASTER





Geneva 17 Feb 2002



Options

1 - HF Radio

Pros

Low cost Stand alone I ou data r

Cons

Low data rate Skill required

2 - Public satellite services

Inexpensive to buy Portable

Expensive to use Asset Management

3 - GSM drop in with satellite backhaul

Good voice service

Very expensive Wrong technology Poor data capability

4 - Wireless TCP/IP w/VSAT back haul

Low cost

VoIP?

Consumer WiFi



Thank You

Jay Rushby Head, Telecom UNHCR +41 22 739 84 84 rushby@unhcr.ch

