

# 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**

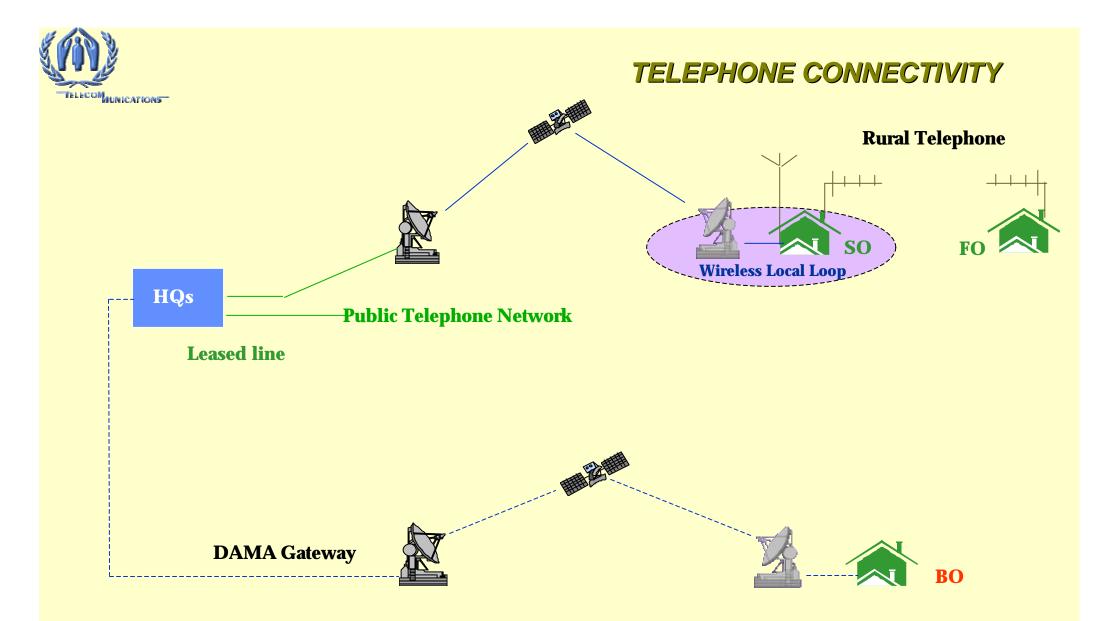
- Provides means of communications for UNHCR staff and implementing partners
  - for staff safety, operation co-ordination and administration within the Field and between Field and HQs
  - both for routine and during emergency operations where no telecommunications infrastructure is available



### **UNHCR Telecommunications**

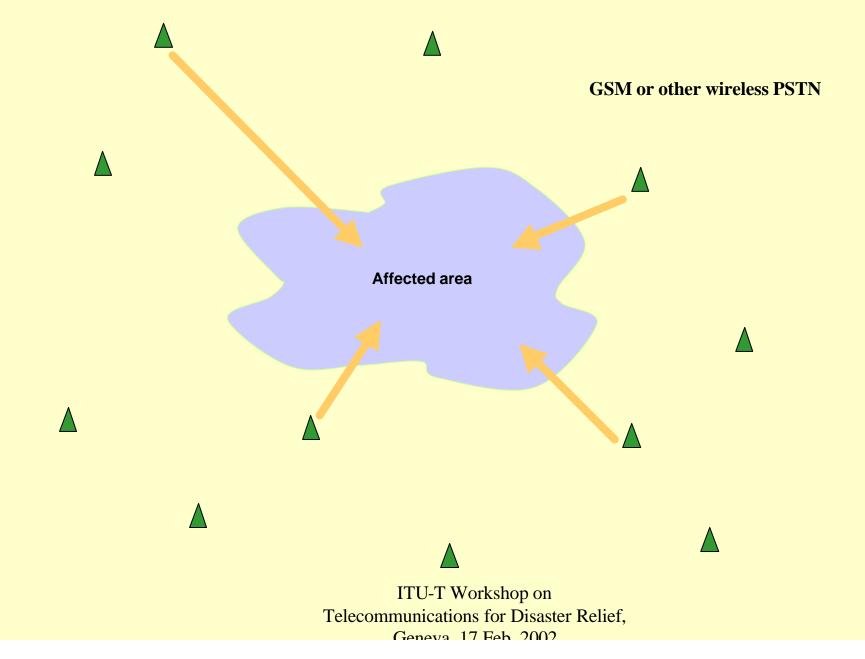
#### UNHCR has established networks using:

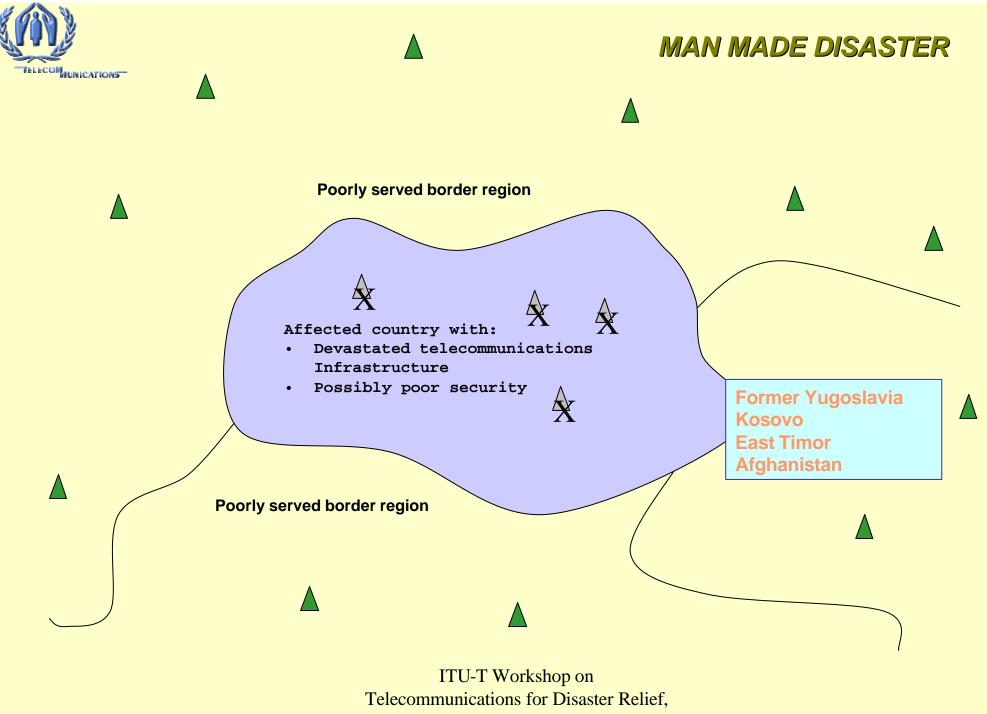
| ı HF                | Voice & Data      |
|---------------------|-------------------|
| B VHF               | Voice & Data      |
| Satellite terminals | Voice, Fax & Data |
| SAT SAT             | Voice, Fax & Data |
| 🖻 SITA              | Data              |





#### 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

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