

# **MILITARY TELEMEDICINE DEFENCE STAFF PERSPECTIVE**

## **Objectives**

- ❑ Know and analyze in real time the medical situation in the area of operations by using the Defence Telemedicine Information System (SITA)**
- ❑ Optimize the process of sick and wounded personnel recovery by changing efficiently medical information**
- ❑ Implement standards referring to telemedicine in order to accomplish missions during peacetime, crises situations and war**

# **MILITARY TELEMEDICINE DEFENCE STAFF PERSPECTIVE**

## **Tactical level:**

**-From Role 1 to Role 2 fix video cam in HD resolution inside the medical treatment facilities**

**Objective: transmit video data concerning medical maneuvers, damage surgery control and life signs' status**

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## **Operational level:**

**-From point of injury to casualty collection point – video camera in HD resolution on medic’s helmet**

**Objective: transmission video data regarding the mechanism of first aid**

**-From casualty collection point to Role 1 facility – video camera in medevac transportation vehicle**

**Objective : transmit video data about medical maneuver, and vital signs**

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## **Strategical level**

**-from Role 3 to Role 4 - fix video cam in HD resolution; video conferences**

**Objective : transmit video data concerning medical maneuver, coordinate surgical innervations, interdisciplinary consult among Role 3 and Role 4 specialists, establish the right moment for evacuation the patient from Role 3 to Role 4**

# **MILITARY TELEMEDICINE DEFENCE STAFF PERSPECTIVE**

- **Standardize and improve the operational procedures for the main components:**
  - Medical component**
  - IT component**
  - Medical data base component**

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## **Medical operational support**

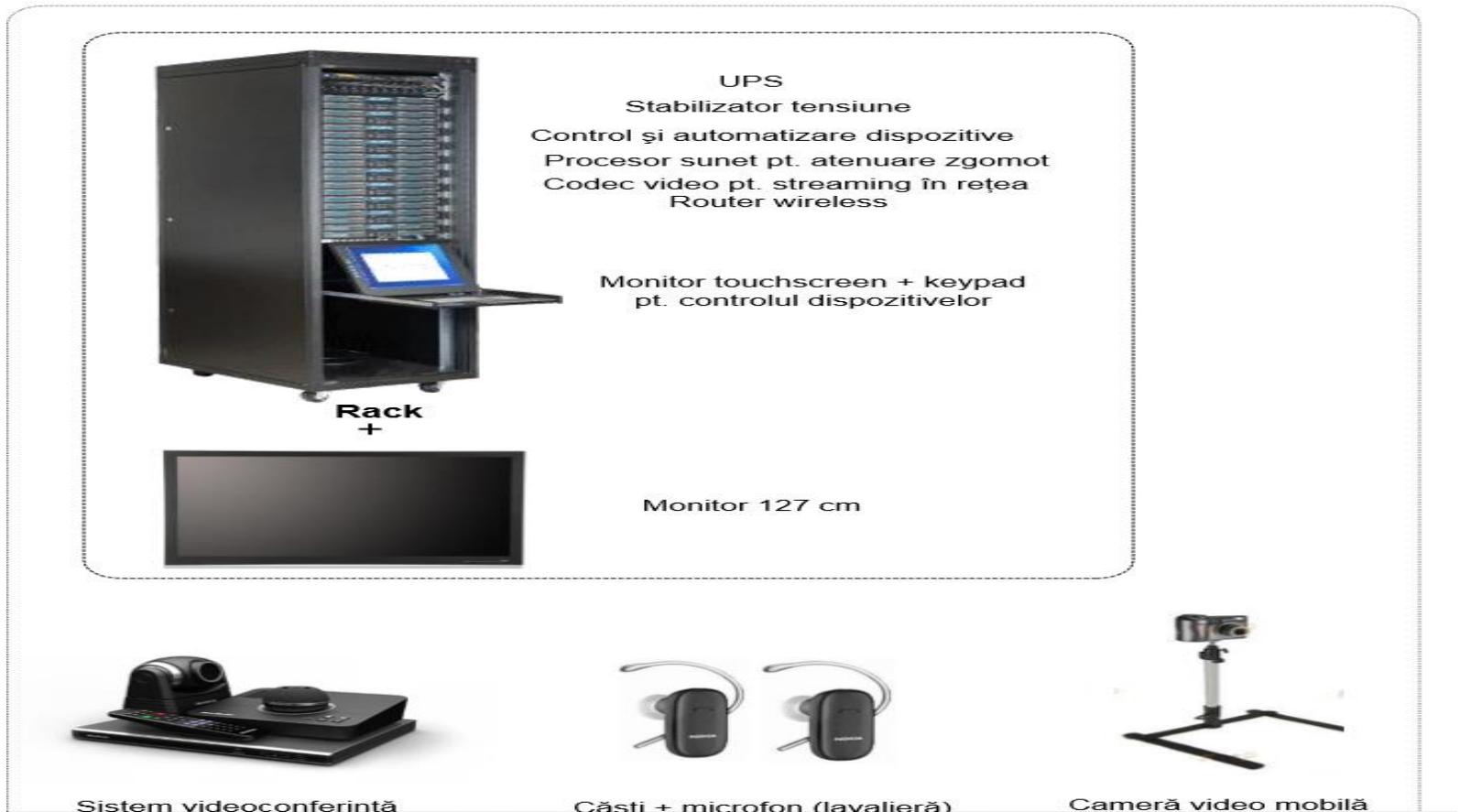
- Medical specialised support for medical  
personale in missions:**
  - Theatres of operations**
  - Military training bases**
  - Ambulances – in interventions**
- Medical support for wouded personnel**

# **MILITARY TELEMEDICINE DEFENCE STAFF PERSPECTIVE**

- **Implement the concept of telemedicine on operational level regarding three major component**
  - **Medical component**
    - **Training medical personnel**
    - **Medical devices for patient monitoring**
  - **IT component**
    - **Video devices on medical personnel located at the point of injury, or on different medical treatment facilities (ROLE 1, ROLE 2 )**
    - **IT Platforms designated to collect data transmitted from medical devices**
  - **Data bases component**
    - **To provide codified, as well as proper video and audio medical information**

# Military telemedicine defence staff perspective

- **Emergency transmission of data (audio/ images delivered in real time by video cam in HD resolution inside the Golden Hour)**







Sistem audio



Display LCD



Cameră video mobilă



Set cască + microfon (lavalieră)



Sistem videoconferință



rack

- UPS
- Amplificator audio
- Stabilizator tensiune
- Procesor sunet pt. atenuare zgomot
- Sist. Control și automatizare dispozitive
- Codec video streaming rețea
- Router wireless

Monitor touchscreen + keypad

SALĂ OPERAȚII