1 DETERMINATION AND COMPOSITION

Field Hospital - medical part is conceived as a separate autonomous medical unit with full technical support. It is designed as a modular unit, individual hospital units are autonomous and can be deployed separately.

Special medical equipment of hospital is adapted to the requirement to conduct a full unrestricted range of treatments as in currently functioning hospital.

The capacity of the hospital is designed for 50 lying patients.

Any increase in the number of lying patients can be solved in a modular way which ensures 100% connectivity to the existing functional units.

The central part of the hospital is formed by corridor built from inflatable tents, which are connected on both sides to a single container or tent workplaces via connecting modules.

Basic medical facilities of field hospital:
- reception and triage room in two inflatable tents;
- decontamination room in inflatable tent;
- outpatient dpt. consisted of:
  - examination/emergency in inflatable tent;
  - waiting room for patients in inflatable tent;
- sanitary container for patients in ISO 1C container;
- administrative container in ISO 1C container.

- Surgical dpt. composed of:
  - operation theater with one operation field in two ISO 1C containers laterally connected;
  - preparation of operation theater medical staff in ISO 1C container;
  - preparation of operation theater patients in ISO 1C container;
  - ICU in two ISO 1C containers laterally connected;
  - sterilization room in two ISO 1C containers laterally connected;
  - daily room of staff in ISO 1C container;
  - corridor of surgical dpt. in six ISO 1C FLATPACK containers;
  - service unit in two ISO 1C containers (source of medical gases, backup power supply for the surgical dpt.).

- Diagnostic dpt. + pharmacy consisted of:
  - radiology (X-ray room) in ISO 1C container;
  - CT in two ISO 1C containers laterally connected;
  - haematological laboratory in ISO 1C 2in1 container (extensible from both sides);
  - pharmacy in ISO 1C 2in1 container (extensible from both sides);

- patient ward composed of:
  - patient ward in inflatable tent (3x);
  - nursery unit in ISO 1C container;
  - daily room of medical staff in inflatable container;
  - patient dining room in inflatable tent;
  - sanitary container for patients in ISO 1C container;
  - sanitary container for staff in ISO 1C container;

- central corridor of medical part composed of six inflatable tents.

Field hospital facility is complemented by logistic part composed of:

- power supply 3 x 300 kW with distribution (1x) in four ISO 1C containers and powerlines;
- 250 men kitchen in ISO 1C 2in1 container (extensible from both sides);
- food storage - cooling/freezing double chamber ISO 1C container;
- water reservoir for kitchen in ISO 1C container;
- staff dining room in two inflatable tents;
- 250 men laundry in two ISO 1C containers;
- sanitary container for staff in ISO 1C container (2x);
- drinking water reservoir in ISO 1CX containers (4x) (2x medical part, 1x staff accommodation, 1x laundry);
- waste water collector (reservoir) in ISO 1CX containers (5x) (2x medical part, 1x staff accommodation, 1x kitchen, 1x laundry);
- shipping containers for transport of tents (8x);
### Operational climatic conditions:

<table>
<thead>
<tr>
<th>Condition</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Operational outside temperature range</td>
<td>from -32 °C to + 49 °C</td>
</tr>
<tr>
<td>Storage outside temperature range</td>
<td>from -33 °C to + 70 °C</td>
</tr>
<tr>
<td>Relative air humidity</td>
<td>up to 99 % at +30 °C ambient temperature (storage and transport)</td>
</tr>
<tr>
<td>Resistance against rain</td>
<td>up to 6 mm.min⁻¹, coming from any direction at 30°</td>
</tr>
<tr>
<td>Operational resistance against dust</td>
<td>up to 1.0 g.m⁻³ measured at height of 0.5 m above the terrain</td>
</tr>
<tr>
<td>Resistance against steady winds</td>
<td>up to 22 m.s⁻¹</td>
</tr>
<tr>
<td>Resistance against wind gusts</td>
<td>up to 34 m.s⁻¹</td>
</tr>
<tr>
<td>Resistance against mechanical damage caused by</td>
<td>flying of dust and sand particles</td>
</tr>
</tbody>
</table>

**Note:** Operational climatic conditions may be limited depending on the operational climatic conditions of used medical equipment.
LEGEND:

1. Reception and Triage Room;
2. Decontamination Unit;
3. Central Corridor;
4. Examination/Emergency;
5. Waiting Room;
6. Corridor of Surgery Section;
7. Operating Theater;
8. Preparation Unit of Medical Staff;
9. Preparation Unit of Patients;
10. Intensive Care Unit;
11. OS – ICU Service Unit;
12. Sterilization Room;
13. Daily Room of Staff;
14. Administration;
15. Radiology;
16. CT;
17. Laboratory;
18. Pharmacy;
19. Nursery Unit;
20. Patients Wards;
21. Dining Room for patients;
22. Staff Room;
23. Sanitary Container for patients;
24. Sanitary Container for personals;
25. Water reservoir + sump.

Possible Layout of Field Hospital - Medical Part
2 VISUAL DOCUMENTATION

Possible layout of field hospital
Reception and triage room in two inflatable tents
Operation block – operating theater + staff preparation + patients preparation
Possible layout of operating theater with one operation field
Staff preparation
Patients preparation
ICU
Possible layout of ICU
Sterilization room
Radiology / X-rays

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Possible layout of radiology / X-rays
Haematological laboratory

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Possible layout of haematological laboratory
Pharmacy

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Possible layout of pharmacy
Possible layout of patients ward
Possible layout of central corridor of field hospital