



Information Security – United Nations Peacekeeping Missions

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ICT Security – PeaceKeeping Operations

*Peacekeeping
Operations*

*Field Technology
Operations Centre*

*ICT Security &
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Challenges

*Field Missions
Support*

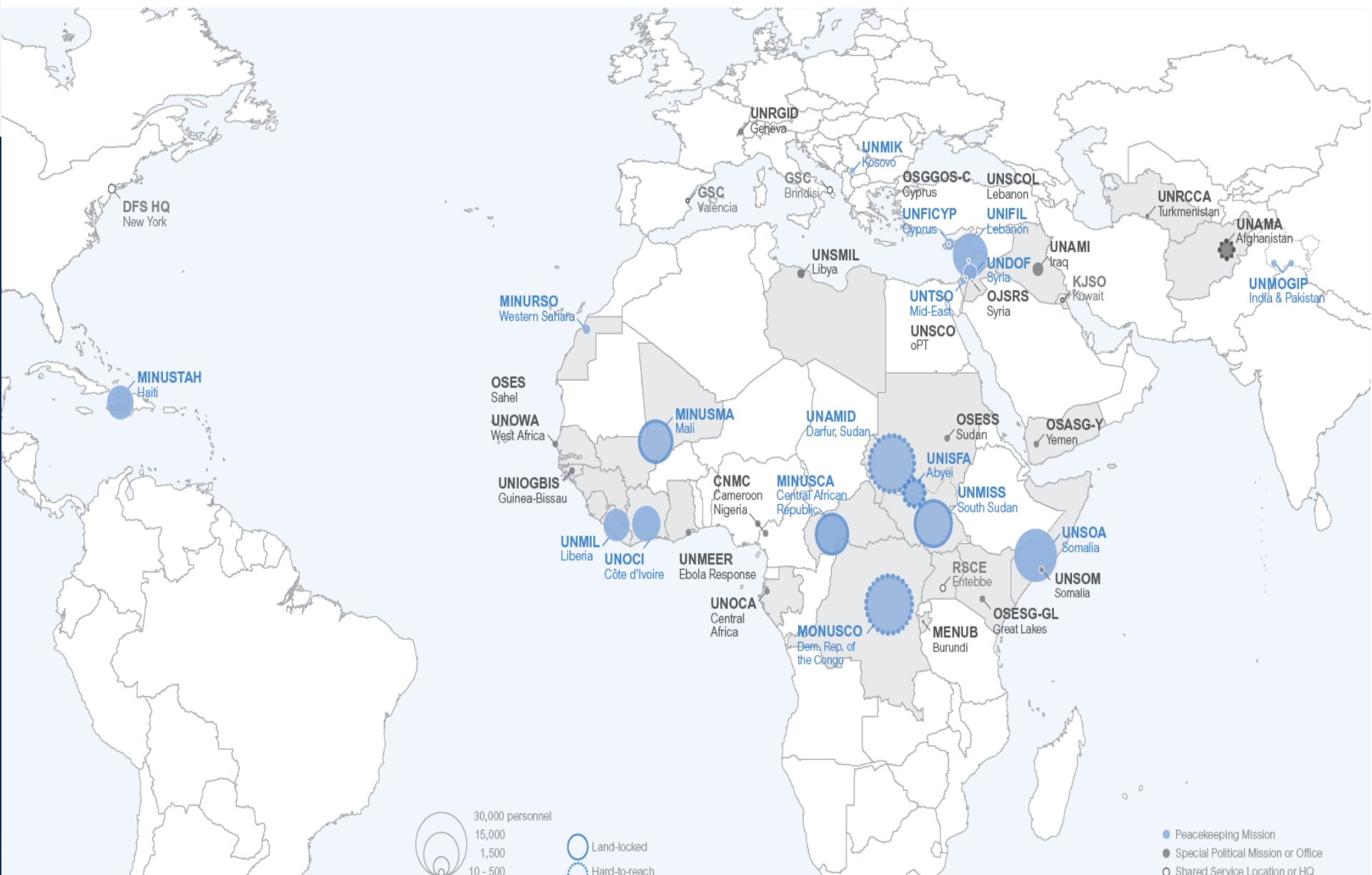
- ❑ 16 **Peacekeeping missions** (PKM) + UNSOA
- ❑ 20 **Special Political Missions** (SPM) and others offices supported by DFS
- ❑ Largest Mission : **DR Congo (MONUSCO)**: 19.815 troops, 946 international civilians, 760 military observers, 2792 local civilians, 1441 Police, 457 UN Volunteers

Field Mission Environment

- ❑ Number of missions are in **large, remote and land-locked areas**
- ❑ Most missions are likely to face continued security risks including increased targeting of UN personnel and asymmetric security threats and **infrastructure**.



ICT Security – PeaceKeeping Operations





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Information and Communications Technology Division

- ❑ **DGITT** – Department of Geospatial, Information and Telecommunications Technologies (DGITT)
- ❑ Provides secure and innovative ICT services and solutions to **Department of Field Support (DFS)**, **Department of Peacekeeping Operations (DPKO)**, and **Department of Political Affairs (DPA)** field missions globally.

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ICT Security – FTOC

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- ❖ **FTOC – Field Technology Operations Centre** : encompasses both ICT Facilities in Brindisi and Valencia
- ❖ Is part of Service for Geospatial, Telecommunications and Information Technologies (SGITT)
- ❖ Host for all voice, video and data systems centralized in Brindisi and Valencia

FTOC core missions

The **core functions** of the **Field Technology Operations Centre** are as follows:

- ❑ Provides, implements and **supports field mission-specific information systems and applications**;
- ❑ Collaborates with users to **provide automated solutions** in support of field operations;
- ❑ Supports the **transition of information systems** utilised in field operations to large-scale systems and technologies;
- ❑ **Manages systems integration** to leverage information systems and data to improve information exchange and ensure seamless interoperability;



ICT Security – FTOC

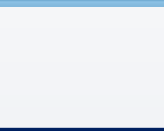
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☐ [UNSBV Promo Final Full MQ.mov](#)



ICT Security – Team

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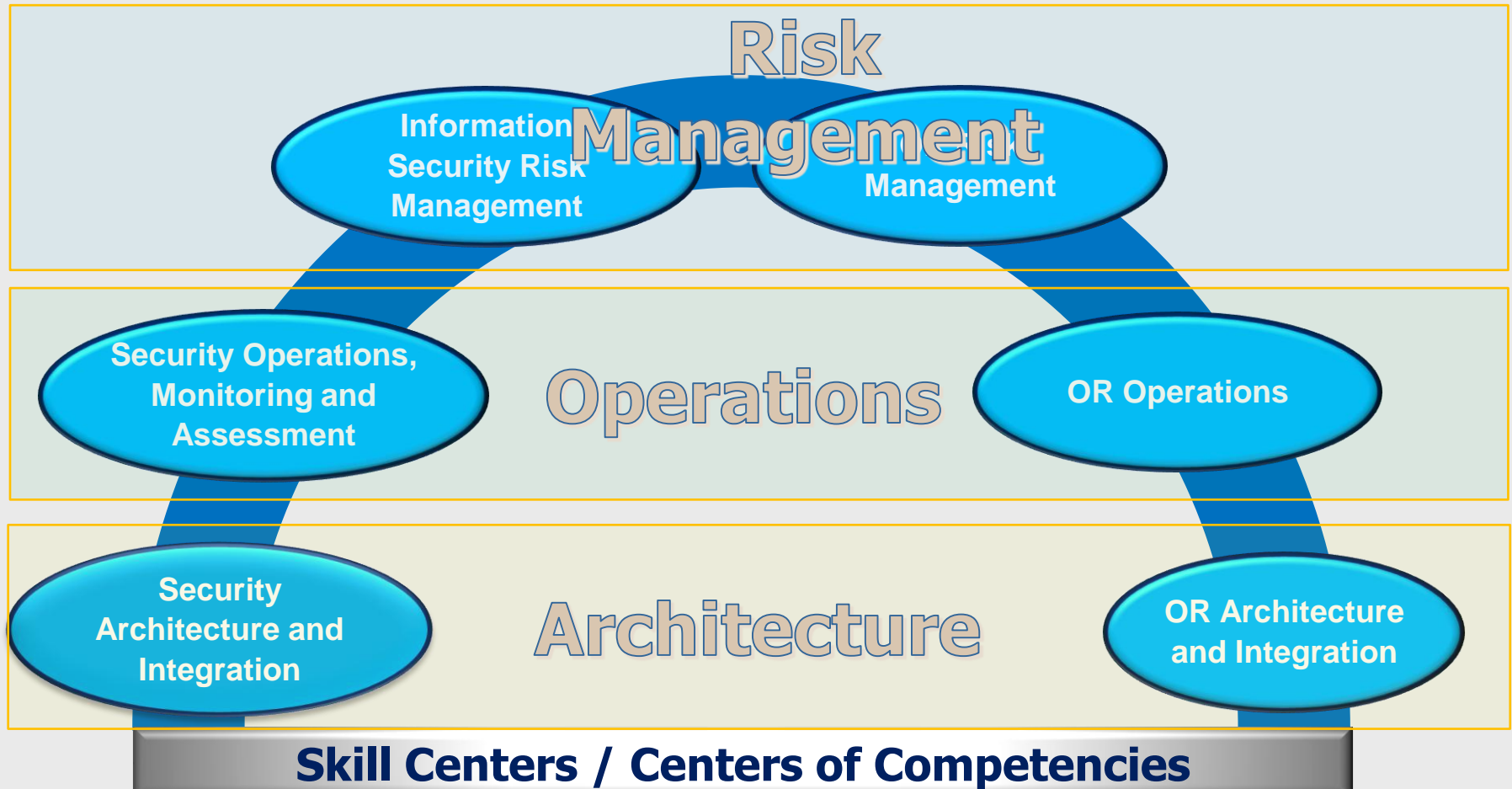
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Challenges

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- ❑ Team of around 20 people located in **Valencia, Brindisi (Italy), Entebbe (Uganda)** and **New-York**
- ❑ Two main areas: **Information Security** and **Operational Resilience** (IT Service Continuity Management)



<i>Peacekeeping Operations</i>	<i>Field Technology Operations Centre</i>	<i>ICT Security & Operational Resilience</i>	<i>Challenges</i>	<i>Field Missions Support</i>
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- ❑ **Advanced Persistent Threat (APT)** : scale of some attacks have been increasing
- ❑ **Information Security for Mobile Access:** Mobile Device Management, global mobility programme has been launched
- ❑ **Public ICT Systems:** encourages missions to leverage the FTOC's solid, scalable and secure IT infrastructure to host their public systems, to limit the exposure of mission ICT systems to the Internet.
- ❑ **Enhancing ICT Security Incident Visibility and Centralized Control:** initiated a **Security Infrastructure Implementation Strategy** to enhance the security posture of field missions, with Checkpoint firewall implementation as the first project.
- ❑ **Standardization Configuration of Critical ICT Security Systems:** Development of Minimum Security Baseline Standards and performing regular gap assessments.
- ❑ **Information Security Risk Management:** continuous cycle of assessing risk, identifying mitigating controls, implementing remedial actions and monitoring their effectiveness. Adoption of ISO 270011 for ISMS, ISO 27001 certification of FTOC.



ICT Security – Field Missions Support

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Challenges

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- ☐ One **ICT Security focal point** per mission
- ☐ Application **Vulnerability Assessment** and Infra. Penetration Testing
- ☐ **Travel to field missions** to perform **on-site** ICT Security assessment
- ☐ **Host for all** voice, video and data systems centralized in Brindisi and Valencia
- ☐ **Annual on-site workshop** in Valencia with all security focal points
- ☐ **Disseminate best practices** across the different missions
- ☐ **Adoption of ISO 27001** as global ISMS standard
- ☐ **Adoption of 20 critical security controls** for Effective Cyberberdefense

