Telecoms Security Standards

{TESS+}

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An update…

- Migrating from TESS to {TESS+}, core services

- New SCS chapter in the UN Security Management Operations Manual (SMOM)

- New VHF standards

- Phase-out of HF radio as a SCS tool

- Other updates

- Planning for the next 6 months

- {TESS+} online repositories (UNSMIN and Public Repository)

- Q&A

An update…

- Migrating from TESS to {TESS+}, core services

TESS (Telecommunications Security Standards)

- Purpose: Design, propose, test, implement and support the new global common Security Telecommunications Standards (SCS) for UN and NGOs

- Mandated by UNDSS (excludes intra-AFP comms/security)

- May 2018– June 2020: TESS project

- Since June 2020: Converted into {TESS+}, a permanent service

- Facilitated/coordinated by WFP – in collaboration with all stakeholders

- Small core service team (6 consultants)

- Functional reporting lines: Chair IASMN and Chair ETC

- Driver: I.A. Steering Group: 5 SCS service providers (UNHCR, WFP, UNICEF, DOS, ETC) + 3 client groups (IASMN, UNDSS, NGOs)

{TESS+}, the new TESS

- {TESS+} Service Charter = Key document (Why, What, How)

- Funding: Through JFA (UNDSS managed common security fund) + partial cost recovery

- Three key services:

  - Normative services

    – Standards design, standards documentation, assessments & monitoring
  - Field support services

    – Standards implementation support, on-demand support
  - Operational process support

    – Coordinate all global and field-level services
- Three Service Layers

{TESS+} Service Layers – our mandate
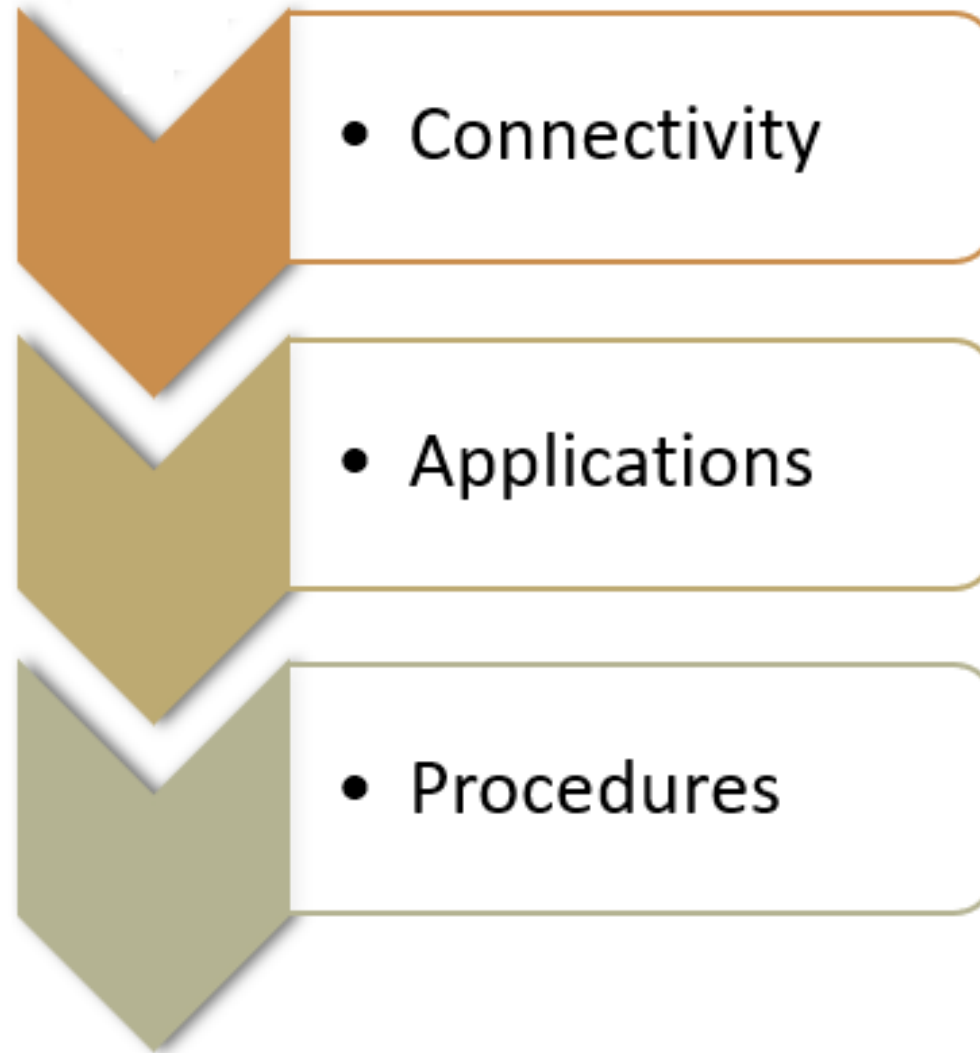
{TESS+} "Extra-Curriculum" activities

- Facilitation of IASMN WG on SCS Guidance and Procedures -> SMOM update

- Facilitation of COSCAG: Common Security Communications Applications Ad Hoc Consultative Group

- Ad Hoc initiatives: e.g. COVID-induced

  - MNO and Electricity Services Surveys

  - Snapshot overview of SCS status

TESS: Field support

- Assessments and Technical support (both remote or onsite)

- Total portfolio: +- 90 countries with active follow-up

- Onsite full assessments: 51 operations

  - RSA, Burkina Faso, Mauritania, Senegal, Guinea Bissau, Bangladesh (2x), NE Nigeria, South Yemen, Iraq, Sudan, CAR, Ghana, Cameroon, Mali, Ivory Coast, DRC, Afghanistan, Pakistan, Myanmar, Guinea-Conakry, Haiti, Chad, Sri Lanka, Turkey, Somalia, South Sudan, Liberia, Niger, PNG, Philippines, Timor Leste, Nicaragua, Venezuela, Colombia, Costa Rica, Ethiopia, Uganda, RoC, Zimbabwe, Mozambique, Armenia, Dominican Republic, Ukraine, Syria, Lebanon, Sierra Leone, Rwanda, Egypt, Guatemala, El Salvador, Honduras, Kyrgyzstan.

- Onsite technical support: 16 operations

  - Bangladesh (2x), Nepal, Malawi, CAR (2x), Sudan (3x), Comoros, Madagascar, Gambia, Lesotho, Morocco, Nigeria, Benin, Tanzania, Mauritania, Burkina Faso (2x), Syria, Afghanistan

- Remote support: post-mission operations plus +- 30 countries

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- New SCS chapter in the UN Security Management Operations Manual (SMOM)

SMOM – SCS update

- Security Management Operations Manual (SMOM) – SCS chapter

- First ever SCS guidance --- translating technical standards into security procedures

- Continuously updated

- First release: Officially approved, to be published on UNSMIN

- Overall approach: "body text" and practical annexes

SMOM SCS body text (Approved)

- Purpose and component of an SCS (move from "ECS" to "SCS")

- SCS connectivity requirements and scenarios

  - Primary SCS (supporting "operations as usual")

  - Backup SCS ("exceptional" or "emergency conditions", when primary fails)

- SCS scenarios (mainly mobile phone-based, but catering for all environments)

- Guideline on implementing a country-based SCS (roles/responsibilities)

  - "Most senior security professional", security cell, SMT, DO

  - SOC

  - ICT Working Group (ICTWG)

- Guidelines for use of mobile phones as SCS (common contract guidelines)

- Guidelines for the use of VHF-UHF/satphone as SCS

SMOM SCS Annexes (Release 1– Approved)

- Annexes approved:

  - Background on TESS and {TESS+}

  - Template TOR for Security Operations Centres (SOC)

  - Template TOR for SOC assistants

  - Guidance for operational areas without the physical presence of a SOC

  - Guidelines for technical evaluation of a mobile phone network's suitability as SCS

  - Guidelines on the role of the ICT Working Group in support of an SCS

  - Standard Operating Procedures (SOP) for Movement Monitoring

  - Standard Operating Procedures (SOP) for Communications Checks

  - Guidance for the maintenance of a radio-based SCS

SMOM SCS Annexes (Release 2 – In the making)

- Annexes (Release 2):

  - Template TOR for SOC supervisor

  - Guidance for the implementation of a Remote SOC

  - Guidance for self-assessment of SCS connectivity solutions

  - Guidelines on using Mobile Satellite Services as SCS

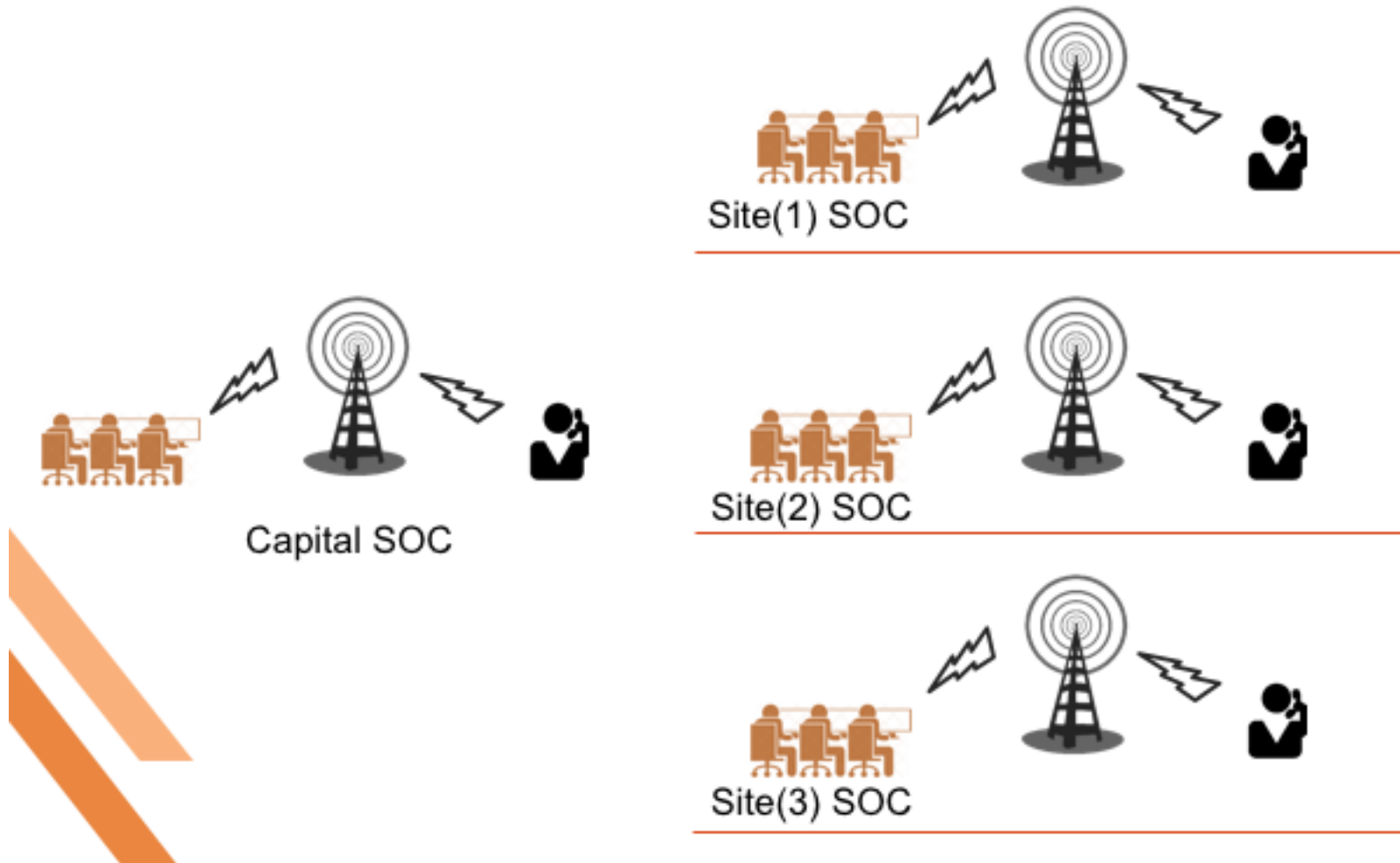 - (more in the making)

- Should be ready by June 2021

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New VHF SCS standards

- Use VHF (UHF) radio within the right context (mostly backup SCS)

- Priority: Optimize, simplify, reduce investment and support costs – AND IT HAS TO WORK..

  - Analogue access only (no digital access, using cheaper radios)

  - Existing networks: no retro-grade needed – new networks adhere to standard

  - Vendor neutral (open standard)

  - Optimized via VHF/UHF network linking (e.g. linking UHF/VHF analogue <> Digital networks <> Tetra)

  - Optimized via Remote SOC (RSOC) solutions

- Detailed technical standards (published)

- Standardized training modules, manuals, configuration kits (published)

VHF: Traditional SOCs

VHF: Remote SOCs
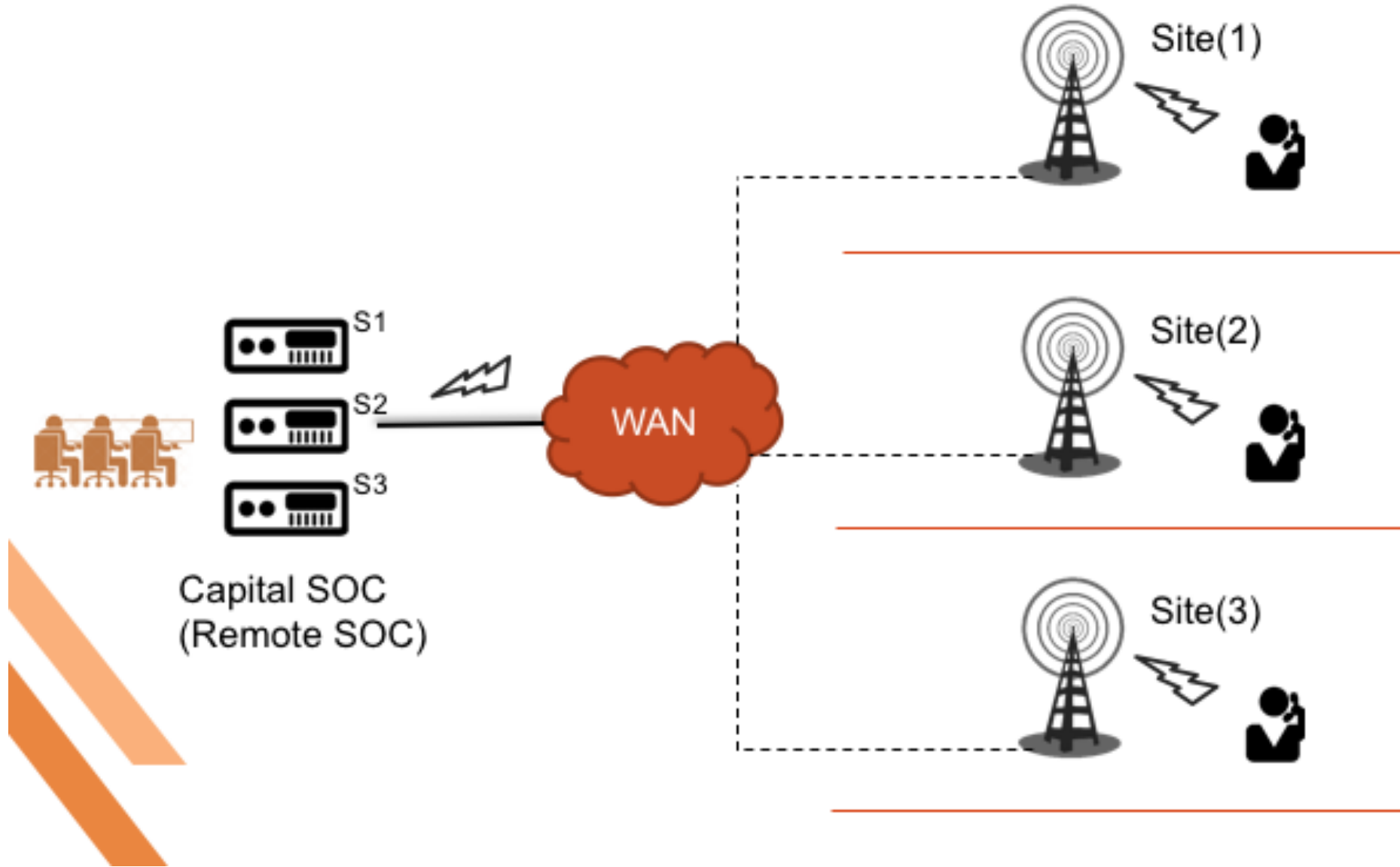
RSOC implementations

- Implemented: Burkina Faso

- Implementing: Sudan

- Planned/working on: Tanzania, NE Nigeria, Bangladesh, Madagascar, Pakistan, Guinee-Conakry, Haiti, Kyrgyzstan, CAR, Afghanistan…

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Phase-out of HF radio as standard SCS tool

- Officially endorsed (Standard is published on UNSMIN)

- Overall approach: long distance SCS comms migrates to mobile phone and satellite

- Exceptions: those operations where mobile phone or satellite can not be used (certified by the {TESS+} team)

- Phase-out starts now – {TESS+} guidance for field operations

- 2021-2025 is the transition period

- As of 2025: HF radio will no longer be considered as an official SCS tool (minus exceptions)

- Practically, as of now, new vehicles and new offices should not have HF radios anymore for SCS purposes

- Reminder: this is only for SCS purposes, excludes internal operational needs

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Other updates:

- Use of Vehicle Tracking System as standard SCS tool (IASMN endorsed)

- VHF manuals and training package (published this week)

- Longer term strategy: move towards "BYOD" – based on data connection

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Priorities for Jan-June 2021:

- HF phase-out technical guidance for the field

- Remote SOC deployment w/guidance and technical support (+- 10 countries in queue)

- Continued assessments, remote support, onsite technical support

- SCS Score Card (Country status overview on adoption and implementation of {TESS+} recommendations and SCS status)

- Publish VHF radio manuals/training modules, provide onsite training

- Wrap up mobile/portable Satellite Systems technical standards

- Assist integrating the SMOM SCS guidelines/standards into (UNDSS) training modules

- Continued facilitation for WG on SCS Guidelines and Procedures

- Continued facilitation on the standardization of SCS Applications (COSCAG)

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{TESS+} online repositories

- If you have a UN Security profile: UNSMIN

- Wider public: Public documents via {TESS+} public repository

- Restricted documents via {TESS+} restricted repository (UN only – to be released in April)

UNSMIN

UNDSS Retreat: COVID-19 Response Overview

2020 SG Report on Safety and Security

Gender Focal Points Certificate of Recognition

2021 Budget Impact of Liquidity Crisis - ASG Chandramouli Ramanathan

UNDSS Evaluation Framework

Evaluation Process and Methodology September 2020

UNDSS Newsletter #25 August 2020

Useful Links

News Archive
TRS Analytical Products
SCS Guidance and TESS
USGS EHP
FEMA
ReliefWeb

USG Michaud visited N
Resident and Humanita
challenges in the countr
to COVID-19. USG Mich
areas, and with represe

UNDSS grieves
Burkina Faso

Mr. Mamoudou Traoré,
Peacekeeping Missions
serving in Gao and Bam
the hearts and minds
competencies and will b

Go Katja! A de

**The voting period for
Hemmerich is a finali**
inspired by Katja's comn
if you could take a mon
said Gilles Michaud, USC

For each stream, TESS works on **three layers**:
• **Connectivity:** Hardware that physically connects users into an SCS.
• **Applications:** Software components that run on the connectivity layer and provides security management functions for personnel and security professionals.
• **Procedures:** The implementation of technologies through standardised security procedures.

Mission Reports

TESS Mission Reports (use your UNSMIN login)

• Guidance for the implementation and operation of a Remote Security Operations Centre (RSOC)
• Guidance on conducting a basic self-assessment for connectivity solutions in line with the Security Communications System (SCS) in an operational area

Reference Documents (IASMN-endorsed)

Communique - Further Guidance on SCS - 29 April 2019

Communique - Guidance on Future Security Telecomms Systems - 30 July 2018

Phase-Out of HF Radio as SCS Tool - January 2021

Standards on the Use of Vehicle Tracking Systems as SCS - June 2020

TESS Plus - Service Charter - January 2021

TESS-TESS Plus Business Case - June 2020

Technical Bulletins

SCS VHF-UHF Technical Standards - 8 Oct 2020

TESS Survey on MNO and Electricity - July 2020

{TESS+} online repositories: public docs

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http://bit.ly/tess-public

{TESS+} online repositories: public docs

	Name ▲
📁	IASMN-UNDSS official documents
📁	Other public files
📁	TESS official technical bulletins

{TESS+} online repositories: public docs (cont)

📁 {TESS+} Service Charter

📁 Expired documents (archive)

📄 20180730 - UNDSS USG Communique re Guidance_Future Security Telecommunicati... .pdf

📄 20190430 - UNDSS USG Communique re Further Guidance on Security Comms System.pdf

📄 TESS standard for use of Vehicle Tracking Systems as SCS.pdf

📄 TESS-TESS Plus Business Case -Final version.pdf

📄 TESS+ recommendations on phase-out of HF Radio as a SCS tool.pdf

Q&A

Contact:

TESS@wfp.org

Online public repository:

http://bit.ly/tess-public