

ITU-T SG15 RG-AFR • CAPACITY BUILDING WEBINAR SERIES

Q5/15 & Q7/15 Work Programme

Focal Points, Roles & Possible African Contributions

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Vice-Chair, ITU-T SG15 Regional Group for Africa

Lead, Pillar 1- Standardization Onboarding

Monday, 7 September 2026

Pillar 1 — Standardization Onboarding | Workstream WS2: Stakeholder Awareness

Why this webinar matters

PILLAR 1 GOAL

Onboard a variety of stakeholders — regulators, policymakers, operators, academia — and translate their inputs into contributions that fit the SG15 work programme.

KA1

Onboard a variety of stakeholders into SG15 (regulators, operators, academia).

KA2

Translate stakeholders' field experience into fit-for-purpose contributions.

KA3

Align contributions to the SG15 work programme via Pillar 2 capacity-building mechanisms.

WORKSTREAM WS2

Stakeholder Awareness

Deliver the onboarding pack: “What is SG15”, contribution lifecycle & document conventions

Run introductory sessions for new-track delegates

Clarify ITU-T scope vs. other SDOs (IEC, IEEE)

Feed the Q5/15 & Q7/15 focal-point network across African administrations

Optical fibres, cables & installation

“Characteristics and test methods of optical fibres and cables, and installation guidance.”

17

8

2026–28

active work items

high priority

approval timing span

RG-AFR LEAD FOCAL POINT

Frankline Makokha (Kenya)

AFRICAN STAKEHOLDERS ALREADY ENGAGED

African administrations are already shaping this work item, not just following it.

WORK ITEMS BY THEME



Fibre & cable characteristics

7

G.650.1/.2, G.652, G.654, G.657, G.smmcf, G.csmcf



Aerial cables along power lines

4

L.ocwp.1/.2, L.adssi, L.151



Cable installation & elements

3

L.105, L.108, L.111



Supplements & technical reports

3

L.Sup.39, L.Sup.65, GSTR-HCF

The full Q5/15 table — 17 active work items

Work item	Title	Version	Timing	Priority
G.650.1	Definitions & test methods — linear, deterministic fibre/cable attributes	Rev.	2028	Medium
G.650.2	Definitions & test methods — statistical, non-linear fibre/cable attributes	Rev.	2028	Medium
G.652	Characteristics of a single-mode optical fibre and cable	Rev.	1st-2027	High
G.654	Characteristics of a cut-off shifted single-mode fibre and cable	Rev.	1st-2027	High
G.657	Characteristics of a bending-loss insensitive fibre and cable	Rev.	1st-2027	High
G.smmcf	Single-mode weakly-coupled multi-core fibre & cable characteristics	New	2028	Medium
G.csmcf	Cut-off shifted weakly-coupled multi-core fibre & cable characteristics	New	2028	Medium
L.ocwp.1	Aerial fibre cables along lower-voltage power lines	New	2027	Medium
L.ocwp.2	Aerial fibre cables along higher-voltage power lines	New	2027	Medium
L.adssi	Installation of ADSS cable along electrical power lines	New	2028	Medium
L.151	Installation of optical ground wire (OPGW) cable	Rev.	2028	Medium
L.105	Optical fibre cables for drop applications (Corrigendum)	Cor.1	2026	High
L.108	Optical fibre cable elements for microduct blowing-installation	Rev.	2026	High
L.111	Optical fibre cables for in-home applications	Rev.	2nd-2027	High
L.Sup.39	Optical fibre cable Recommendations & standardization guideline	Rev.	2026	High
L.Sup.65	National experiences with L.1xx-series cables & test methods	New	2026	High
GSTR-HCF	Hollow-core fibre technologies and systems (technical report)	New	2028	Medium

Fibre-attribute harmonization (coating parameters added across G.650.1/.2, G.652, G.654, G.657) and a new multi-core fibre family (G.smmcf, G.csmcf) for datacentre and submarine networks. L.Sup.65 (national experiences).

What the 17 items actually cover

● Fibre-attribute harmonization

G.650.1 · G.650.2 · G.652 · G.654 · G.657

These five Recommendations converge on a common coating-parameter standard — primary coating diameter and coating-cladding concentricity — clearing the way for Reduced-Diameter-Coating Fibre in high-density cabling and underpinning the new multi-core family opposite.

● Multi-core fibre family

G.smmcf · G.csmcf

Two new Recommendations define weakly-coupled multi-core fibre (2- and 4-core, 125 µm cladding) backward-compatible with G.652 and G.654 respectively. Target uses span inter/intra-datacentre links, terrestrial networks and submarine cable — positioning SG15 ahead of the coming space-division-multiplexing capacity wave.

● Aerial power-line cabling

L.ocwp.1 · L.ocwp.2 · L.adssi · L.151

A four-item family for fibre deployment along power infrastructure: lower-voltage (L.ocwp.1) and higher-voltage OPGW/OPPC (L.ocwp.2) cabling, ADSS practice (L.adssi), and an OPGW revision (L.151) adding insulated-cable methods against tower-grounding energy loss .

● Cable elements & guidance

L.105 · L.108 · L.111 · L.Sup.39 · L.Sup.65 · GSTR-HCF

Near-term drafting on drop, microduct and in-home cable elements runs alongside two documents that frame the whole L.100 series — L.Sup.39's installation-environment matrix and L.Sup.65's national experiences, Africa's fastest contribution route — plus the emerging GSTR-HCF report scoping hollow-core fibre for future standardization.

Who carries this Question for Africa

RG-AFR LEAD FOCAL POINT

Frankline Makokha (Kenya)



NEXT FACE-TO-FACE / SESSION

5–6 Nov 2026
Geneva, Switzerland (ITU-T)

RG-AFR FOCAL POINT NETWORK

● Adel Hlilou Tunisia

● Ousmane Mbalia Camara Guinea

● Toglo Ayao Togo

● Modibo Sidebe Mali

● Rwililiza Bigondo Alexis Rwanda

● Mohammed Aminu Haruna Nigeria

● Bryson Jimmy Mwaseba Tanzania

Three ways to engage right now



01

Share national deployment experience

Report fibre-cable deployment, aerial/power-line cabling and microduct installation experience — this feeds directly into L.Sup.65 (national experiences).



02

Join the correspondence groups

L.111, L.ocwp.1, L.ocwp.2, L.adssi, and G.652 / G.654 / G.657 all run active correspondence groups led by their respective editors — the fastest route into a draft.



03

Feed the hollow-core fibre study

Provide input to GSTR-HCF (hollow-core fibre technologies and systems) if interests on such deployments or research exist in the region.

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Thank you

STAY ENGAGED

Subscribe to the SG15 RG-AFR and Q5 mailing lists

Pillar 1 — Standardization Onboarding | Workstream WS2: Stakeholder Awareness

Connectivity, operation & maintenance

“Connectivity, operation and maintenance of optical physical infrastructures.”

8

active work items

1

high priority

2026–28

approval timing span

RG-AFR LEAD FOCAL POINT

Adel Hlilou (Tunisia)

AFRICAN STAKEHOLDERS ALREADY ENGAGED

L.nis, L.361, L.250 and L.203 already draw active support from the Rwanda Utilities Regulatory Authority, Cameroon's Ministry of Posts & Telecommunications, MTDPCE (Burkina Faso), CERT (Tunisia) and NCC (Nigeria).

WORK ITEMS BY THEME



Outside-plant power & topology

2

L.203, L.250



Maintenance & monitoring

2

L.302, L.mct



Physical components

2

L.400, L.403



ID tags & infrastructure sharing

2

L.361, L.nis

The full Q7/15 table — 8 active items

Work item	Title	Version	Timing	Priority
L.203	Electric power supply for equipment installed as outside plant	Rev.	2028	Medium
L.250	Topologies for optical access network	Rev.	2nd-2027	Medium
L.302	Optical fibre outside plant maintenance, monitoring & testing	Rev.	2nd-2027	Medium
L.361	ID tag requirements for infrastructure & network elements	Rev.	2026-07	High
L.400	Optical fibre splices	Rev.	2028	Medium
L.403	Optical branching components (non-wavelength selective)	Rev.	2nd-2027	Medium
L.mct	Maintenance of conduits for telecommunication	New	2nd-2027	Medium
L.nis	Practical considerations for network infrastructure sharing	New	2027	Medium

Four themes anchor Q7: outside-plant power/topology, DFOS-enabled maintenance, physical components, and infrastructure sharing. L.nis

What the 8 items actually cover

● Outside-plant power & topology

L.203 · L.250

L.203 modernizes outside-plant power feeding — adding photovoltaic supply, updated selection and safety/environment requirements, and removing the legacy metallic-wire clause. L.250 refines the reference access-network model and adds multi-dwelling-unit (MDU) topology, covering FTTx and C-RAN deployment and upgrade paths.

● Maintenance & monitoring

L.302 · L.mct

L.302 brings Distributed Fibre Optic Sensing (DFOS) into outside-plant maintenance and testing, alongside storage-medium and figure updates. L.mct is a new Recommendation on conduit inspection and countermeasures — underground and bridge-supported — building on the safety framework in L.330.

● Physical components

L.400 · L.403

L.400 adds fusion-splicing procedures for weakly-coupled multi-core fibre — alignment, rotation and X/Y core methods — while keeping existing splice procedures compatible. L.403 harmonizes optical branching components with G.664/G.671, adding component types, PON splitting/optical-safety guidance and reliability test methods.

● ID tags & infrastructure sharing

L.361 · L.nis

L.361 introduces optical ID tags for remote optical-path identification, improving access-network management. L.nis is a new Recommendation on practical infrastructure sharing — technical, installation and security considerations for shared poles, ducts and cables.

Who carries this Question for Africa

RG-AFR LEAD FOCAL POINT

Adel Hlilou (Tunisia)



NEXT FACE-TO-FACE / SESSION

17 Sep 2026, 13:00–15:00 Geneva time
Joint virtual: GSTR-OPIM & DFOS gap analysis

RG-AFR FOCAL POINT NETWORK

Rwililiza Bigondo Alexis Rwanda

Mohammed Aminu Haruna Nigeria

Bryson Jimmy Mwaseba Tanzania

Ngon Nlep Romy Alexandra Cameroon

Ousmane Mbalia Camara Guinea

Toglo Ayao Togo

Modibo Sidebe Mali

Three ways to engage right now



01

Report outside-plant practices

Power supply, splicing, conduit sharing and maintenance experience relevant to African infrastructure related to L.203 and L.mct.



02

Support the new L.nis Recommendation

Infrastructure sharing is highly relevant to African regulatory and deployment realities — add your country's experience to the national-experiences appendix.



03

Join GSTR-OPIM / Q14 coordination

Correspondence running Aug–Sep 2026 on physical infrastructure resource management — a direct line into terminology alignment work.

What to do next



Connect with Lead focal point

Join the African stakeholder taskforces for Q5/15 and/or Q7/15.



Submit a national experience

Feed the needs pipeline — deployment, sharing, or maintenance experience.



Join a correspondence group

Fastest route into an active draft between meetings.

MILESTONE TIMELINE

17 Sep 2026

5–6 Nov 2026

TBD

Feb 2027

Q7 joint virtual session
(GSTR-OPIM/DFOS)

Q5 face-to-face, Geneva

2nd SG15 RG-AFR meeting

Next SG15 Meeting

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Thank you

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