

**5th SG13 Regional Workshop for Africa on
“ITU-T Standardization Work on Future Networks:
Towards a Better Future for Africa”
(Cairo, Egypt, 2-3 April 2017)**

**Towards Upstream Standardization
Zambian Case**

**Elliot N. Kabalo,
Manager - Standards and Networks, ZICTA, ekabalo@zicta.zm**



Presentation Outline

- Country Location and Statistics
- Overview of Organisation of NSO
- TC Mandate
- Downstream Standardisation
- Upstream Standardisation
- Issues
- Future Outlook

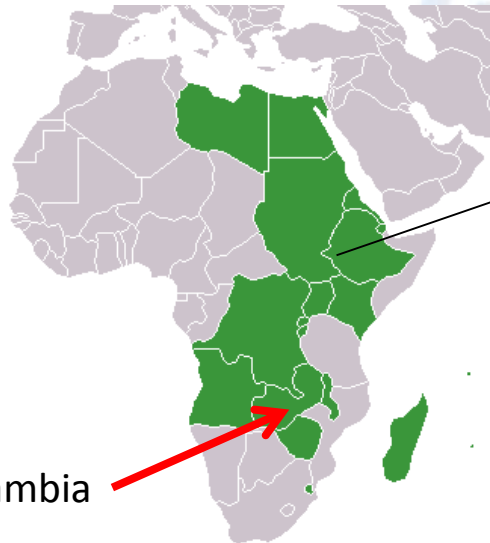
Country Location



Strategic Country Location

.. At the Crossroads of two major regional markets

COMESA



COMESA –
400 m people,
GDP US\$ 360 bn

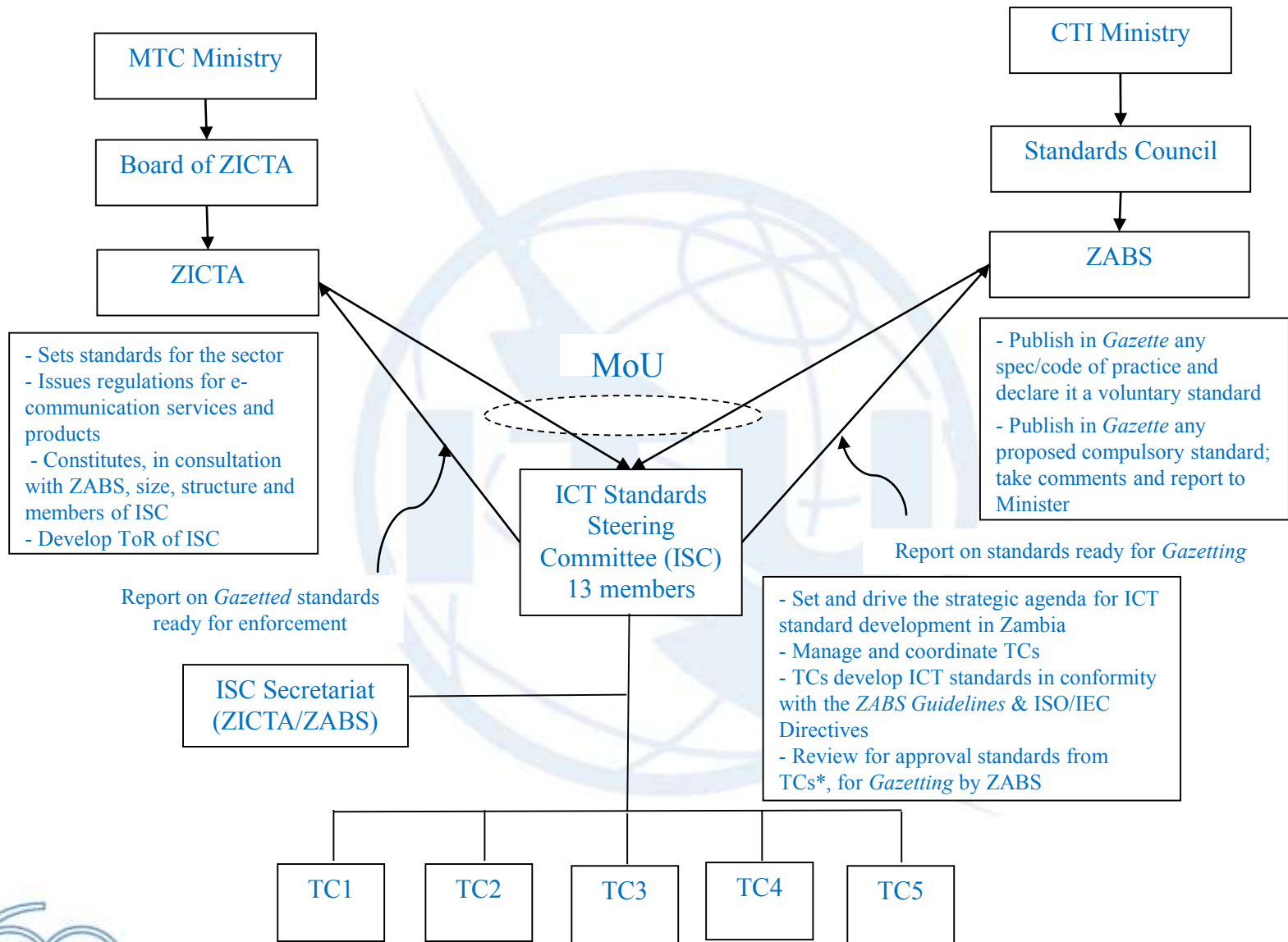
SADC



SADC – 247 m people,
GDP US\$ 431bn

Zambia

MoU – ZABS & ZICTA



* Developed, Adopted or Adapted by TCs

TC Topics (2012-2015)

ICT Standardisation
Steering Committee

ISC Secretariat
(ZICTA/ZABS)

TC1 - ICT Safety
& Protection

TC2 -
Electromagnetic
Compatibility &
Immunity

TC3 - QoS &
Interconnection

TC4 - Terminal
& Human
Factors

TC5 - Cyber
security

TC Topics (2016-2020)

ICT Standardisation
Steering Committee

ISC Secretariat
(ZICTA/ZABS)

TC1 - ICT
Environment and
Climate Change
[SG5]

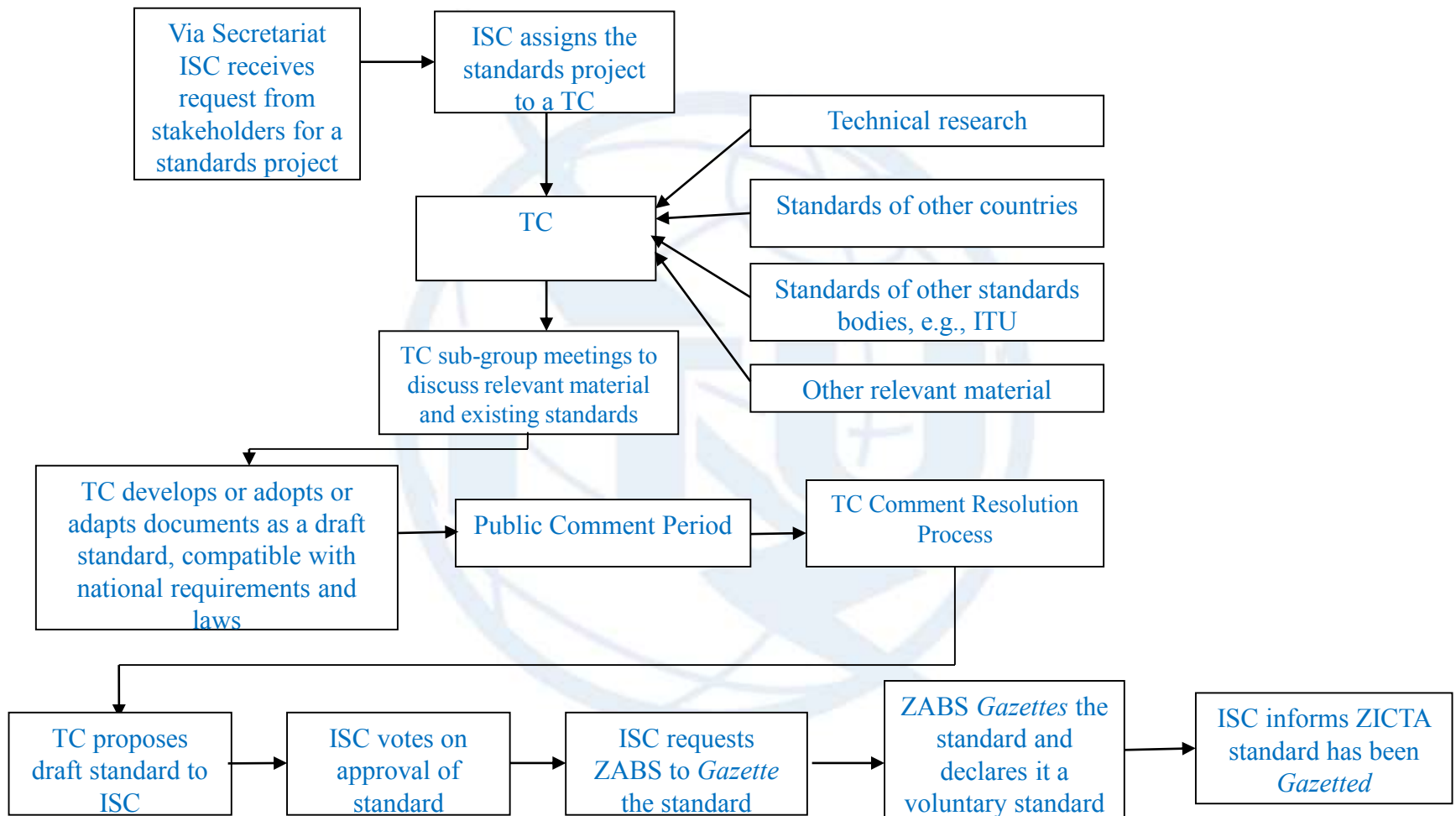
TC3 –
Performance,
QoS and QoE
[SG12]

TC4 – Networks,
Technologies
and Numbering
[SG2; SG15]

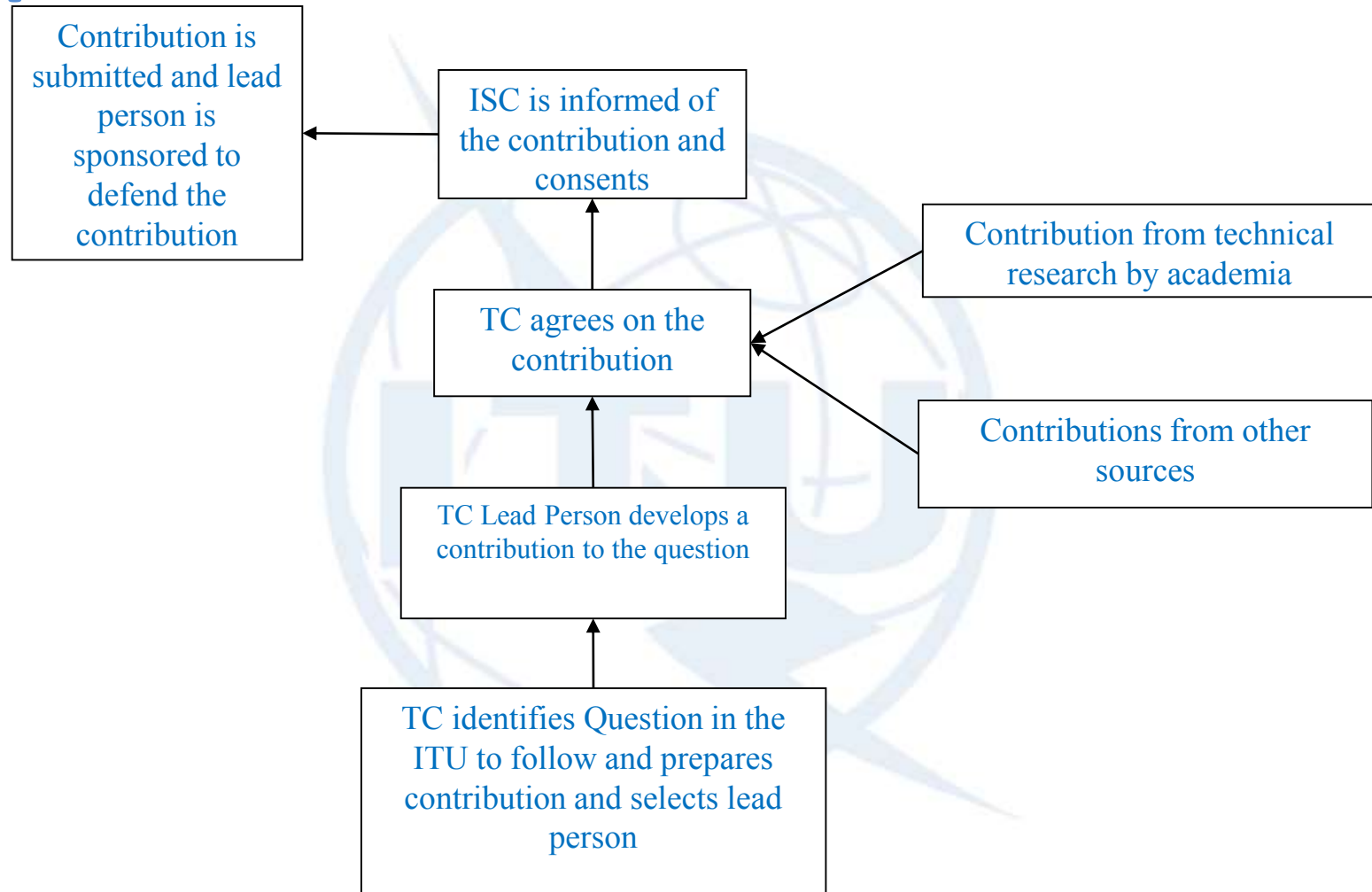
TC5 – Future
Networks and
Security [SG13;
GS17]

TC6 – IoT and
Multimedia
Services [SG16;
SG20]

Downstream Standardization Process



Upstream Standardization Process



Issues

Human Resources

- Inadequacy of experts
- Immediate, short and long term HR needs?

Infrastructure

- Resources & Investment
- Technical Infrastructure (R & D)
- Inadequate internet connectivity

Awareness

- Information availability and access
- Inadequate Standardisation know how

Collaboration

- Local / National level [No Industry Participation]
- Regional [SADC & COMESA]
- International [Participation in Intl orgs]

Budgetary Constraint

Other factors

Conclusion

- Upstream Standardisation by Africa can be achieved by
 - Skills Training (BSG)
 - Setting up National Standards Organisations (NSOs)
 - More participation at regional and international level
- Standards should have relevance to local needs
- Sensitization required to encourage utilisation of Standards to enhance competition.
- Regulatory Authorities should impose certain standards such as those for Security

