SRv6 Enables MTN Best Network in South Africa

Speaker: Zoltan Miklos

Position: General Manager, Network Planning at MTN





Accelerating the PACE of Ambition 2025 Execution





Initiatives

Leading customer experience

Best talent, culture & future skills

Value based capital allocation

ESG at the core

Technology platforms second to none







Connectivity & Monetisation of infrastructure







Experience: Second to None



4G+





Next Gen Transport Based on CASSI Strategy

CASSI

Transport Strategic Goals CONVERGED & CONGESTION FREI

Efficiently enable traffic and Revenue growth with high capacity TX

solutions

ALWAYS ON

Enable revenue
assurance by increasing
reliability

SCALABLE

TCO Efficiency &

Accelerate growth with
easy to scale in and scale
out solutions

SIMPLIFIED

Drive TCO Efficiency with flat network architecture and O&M simplification

INTELLIGENT

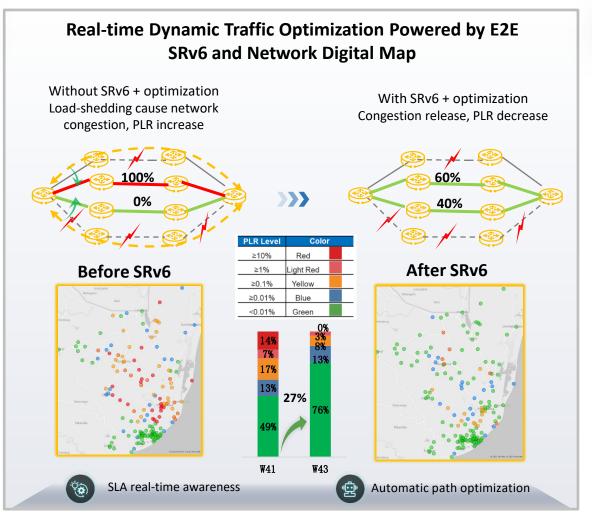
Reduce TTM for

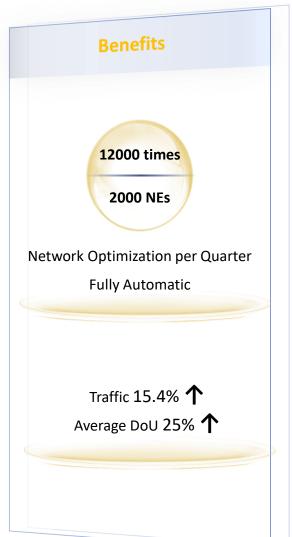
products and MTTR by enable E2E transport automation

MTN SA: Network Digital Map + SRv6 Improves Network Utilization



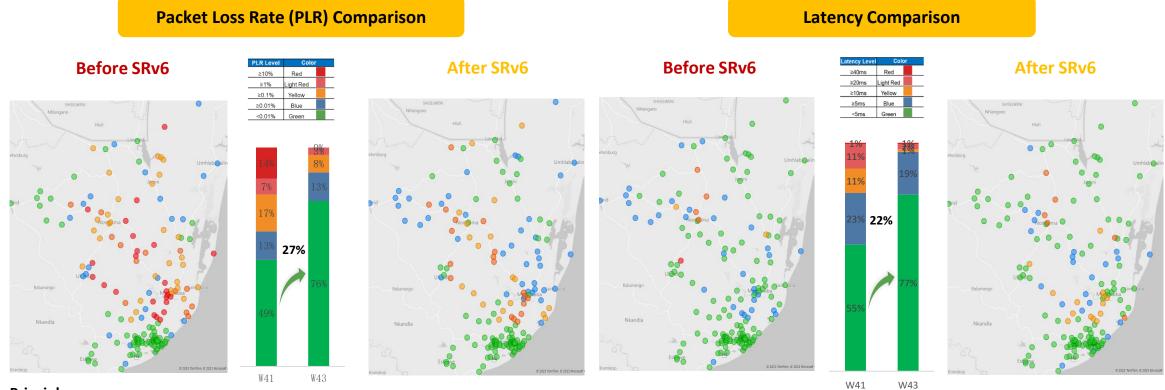






SRv6 Greatly Improve Packet Loss Rate and Latency for Radio Sites





Principle

SRv6 can automatically optimize network paths, which is very helpful to leverage the capabilities of the network

Benefit

- The green part of PLR(<0.01%) is improved by 27%, and the ret part of PLR(>=10%) was eliminated
- > The green part of latency(<5ms) is improved by 22%, and the ret part of latency(>=4%) was almost eliminated

IP Strategy: Four stages towards an intelligent cloud network



Converged & Congestion free Fiber preferred, Bandwidth upgradable

Always On Mesh Network, FRR Protect

Scalable Reliability, Multi-Cloud Connectivity

Simplified architecture Integrated Transport, IPv6+

ntelligent Automated Deployment, Proactive O&M

> Cloud-Network: Cloud GW & CPE SDN Ready: NCE new build, SRv6 test new build, Cloud Network license Step4 finish, SDN license expansion, Network Step3 protocol transform

Service provisioning Step1

Whole network design

SDN-based SRv6 **Commercial Trial**



SDN Functionality



2025

E2E L3 Tx Network

Step2

Router

Great Fiber Coverage

Fibre planning Fibre new build



RAN Category 1 Sites -> Fiber Coverage

Thank you!



