Sub-Saharan Africa could benefit significantly from open and disaggregated solutions, and stakeholders such as TIP can help unlock this potential

If widely adopted, open and disaggregated technologies will have a positive impact in Sub-Saharan Africa

SSA CONNECTIVITY LANDSCAPE		CURRENT SITUATION	IMPACT OPPORTUNITY
Existing coverage and connectivity levels		Large segments of the population lack access to internet connectivity compared to other regions	Connecting the unconnected / under- served enables economic activity, and can involve greenfield deployments of open and disaggregated solutions
Limitations of traditional solutions		Vendors operate in a challenging physical and commercial environment	Traditional solutions are less flexible and would not be able to easily improve connectivity further, giving open and disaggregated solutions time to develop
Need for the introduction of innovative solutions		Low opportunity cost of experimenting with new models in certain areas	Solutions like network-as-a-service (NaaS) and OpenWiFi are emerging, and could scale with optimised cost efficiency
Potential for home-grown companies to develop		Large operator groups would prefer partners to cover entire footprints	Local / regional systems integrators can expand into new countries, as well as adjacent parts of the value chain

Operators in the region are already deploying open and disaggregated solutions within their networks



Open RAN adoption in SSA might take time to reach scale,¹ but if accelerated, could generate outsized benefits for the region in terms of GDP gains²



Stakeholders with aligned interests have different roles to play to overcome challenges, to unlock the full potential of open and disaggregated solutions for SSA



¹ Compared to the low-income country group in the global report, as well as India as discussed in the India report, SSA is expected to experience more gradual adoption of Open RAN solutions given initial barriers to take-up, but with more potential in the upside case if barriers are addressed effectively and efficiently. It should be noted that figures across the three reports are not completely comparable as more recent developments that have informed assumptions in the India and SSA reports would not have been taken into account during the global study earlier in 2021.

² Measured in USD billion (2020 prices), with estimate range developed based on a similar methodology used in the global and India reports, by adjusting efficacy and adoption parameters relative to the main SSA scenario estimate, with a wider variance shown for SSA than in the global or India reports.