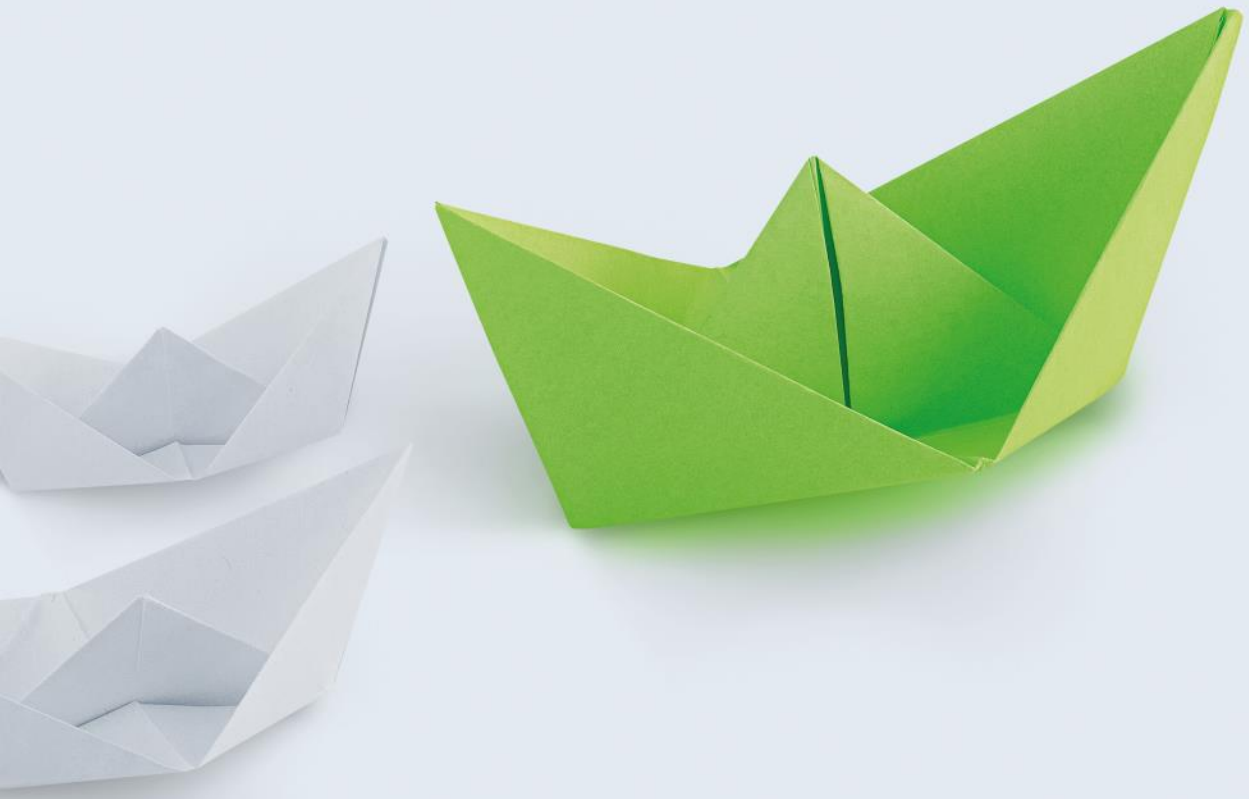

Border Coordination

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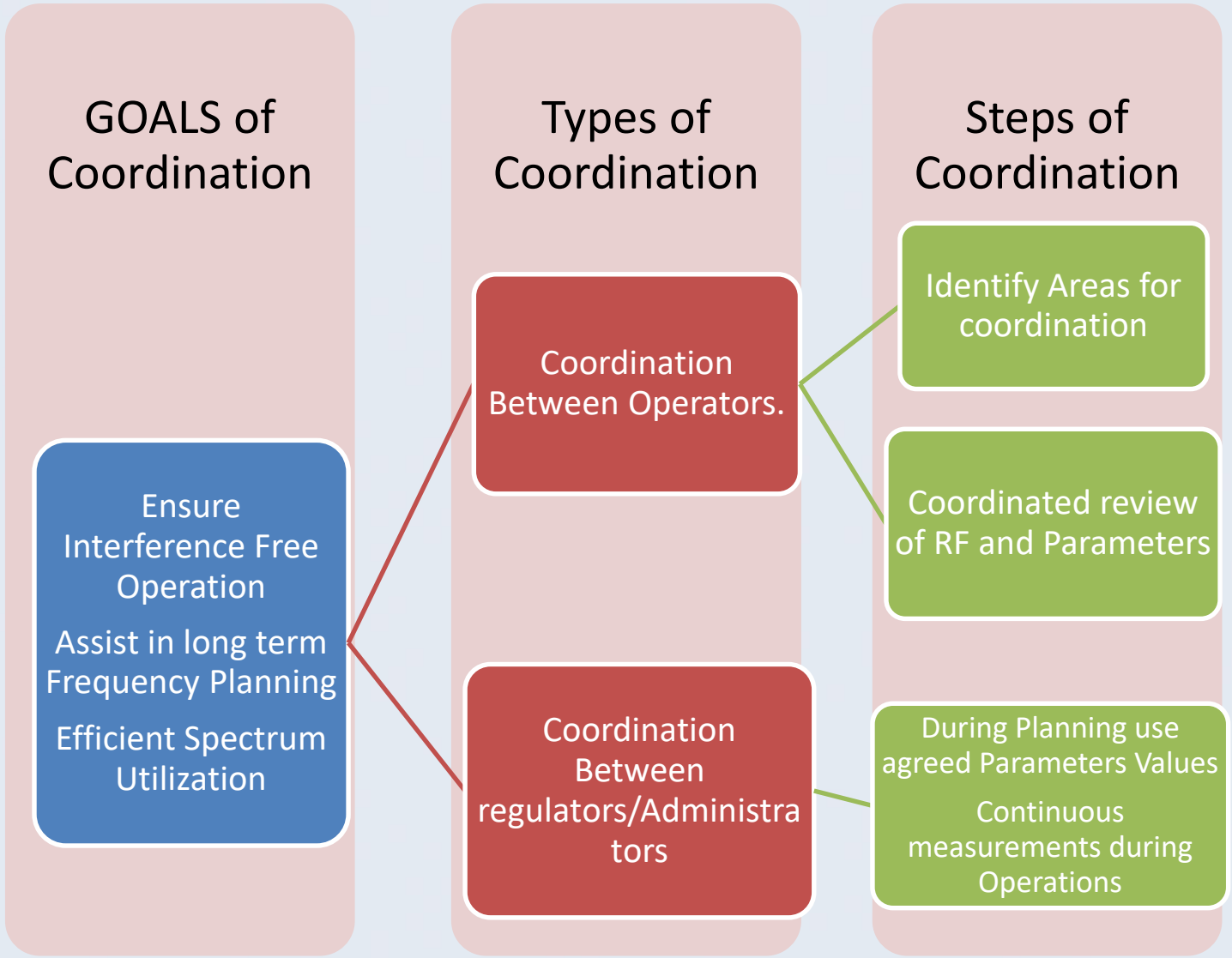
EACO East African Communications Organisation

Communications for all in East Africa



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How we are managing the Challenge

- Joint Coordination on RF Planning and Parameter Planning
- Frequency Coordination
- Sites Rollout where we have coverage holes
- Continuous Monitoring

Current Situation

- Good progress between, Tanzania, Uganda and Kenya MNOs.
- Continuous Joint Coordination mediated by our Regulators.
- Direct communication between MNO Planners
- Agreement on standardization of some Radio Parameters.
- Overshoot Control
- Coverage Holes resolution

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What are the are as areas of improvements to further address this going forward?

- Automation. Use of IoT technology for continuous monitoring of RF Parameters.
- Continuous Timing Advance analysis by MNOs.
- Joint Frequency coordination. Joint RF Planning especially where there are Terrain challenges.
- Review Inter Border Calling Rates/Tariffs ? Lower Interconnect Rates ?
- Regulator to fund shared sites in border areas without low population and ARPU. CA has invested in sites in Amboseli/Mara area
- Operators to Fix rural coverage Holes
- Technology Evolution. DSS(Dynamic Spectrum Sharing). SRAN Modules (Single RAN Modules). 4G Has a lower sensitivity than 2G and 3G (-110 dB)

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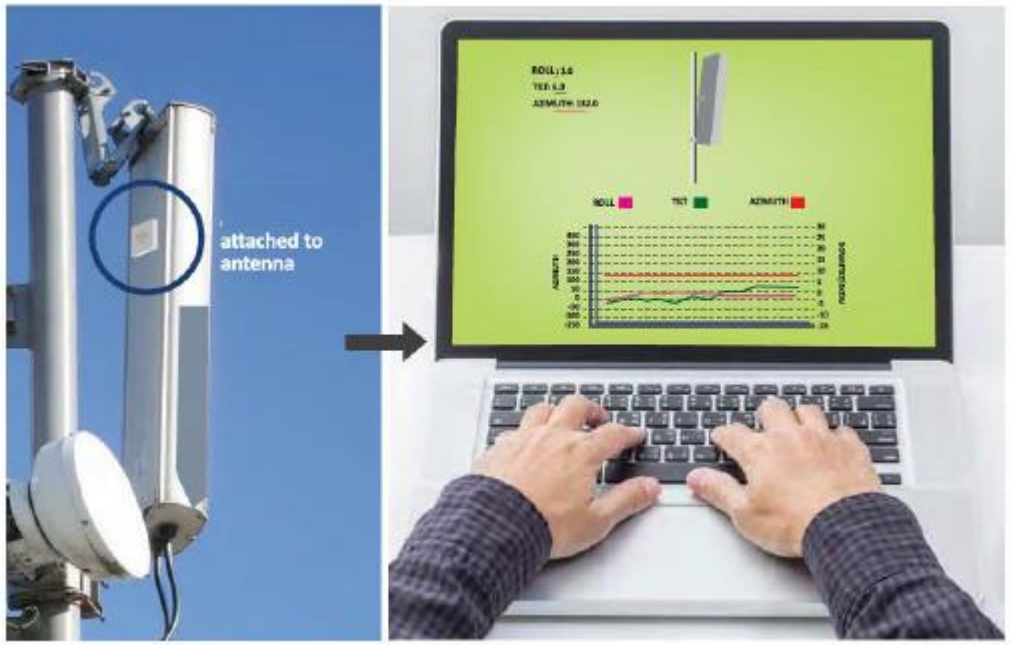
When attached to an antenna, continuously monitors the alignment in three dimensions: Azimuth, tilt and roll.

Remote Antenna View



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