

## Opportunity for IMT Spectrum Sharing in Kenya

2024-25

**Analysis Studies on Opportunity of Spectrum Sharing for Non-Public Networks in Kenya**

Findings

NPNs present an opportunity for widening and deepening wireless broadband access.

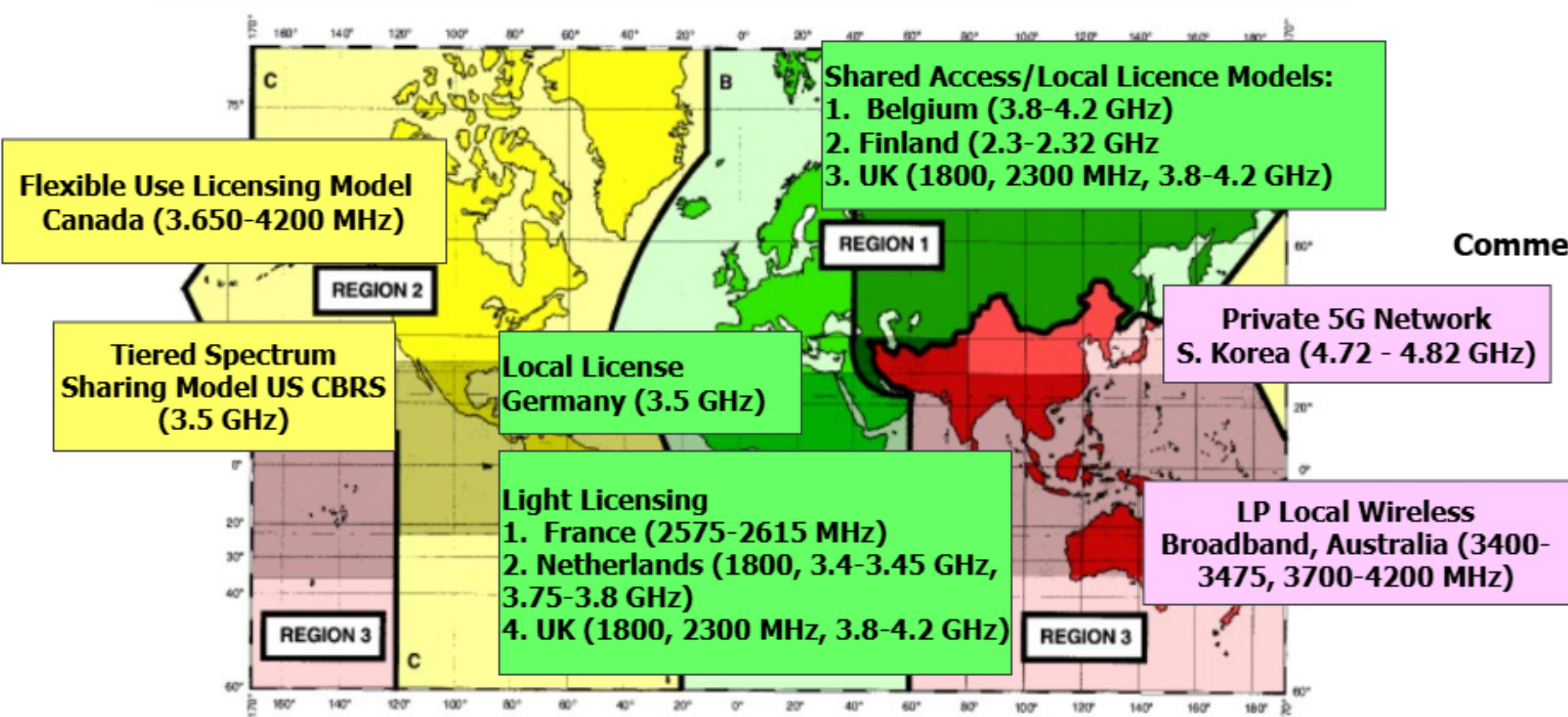
NPNs present an opportunity for Industry 4.0 deployments.

New Objectives

**From Pilot to Policy**  
1. Deployment of NPN Network  
2. Policy Recommendations for Licensed Shared Access

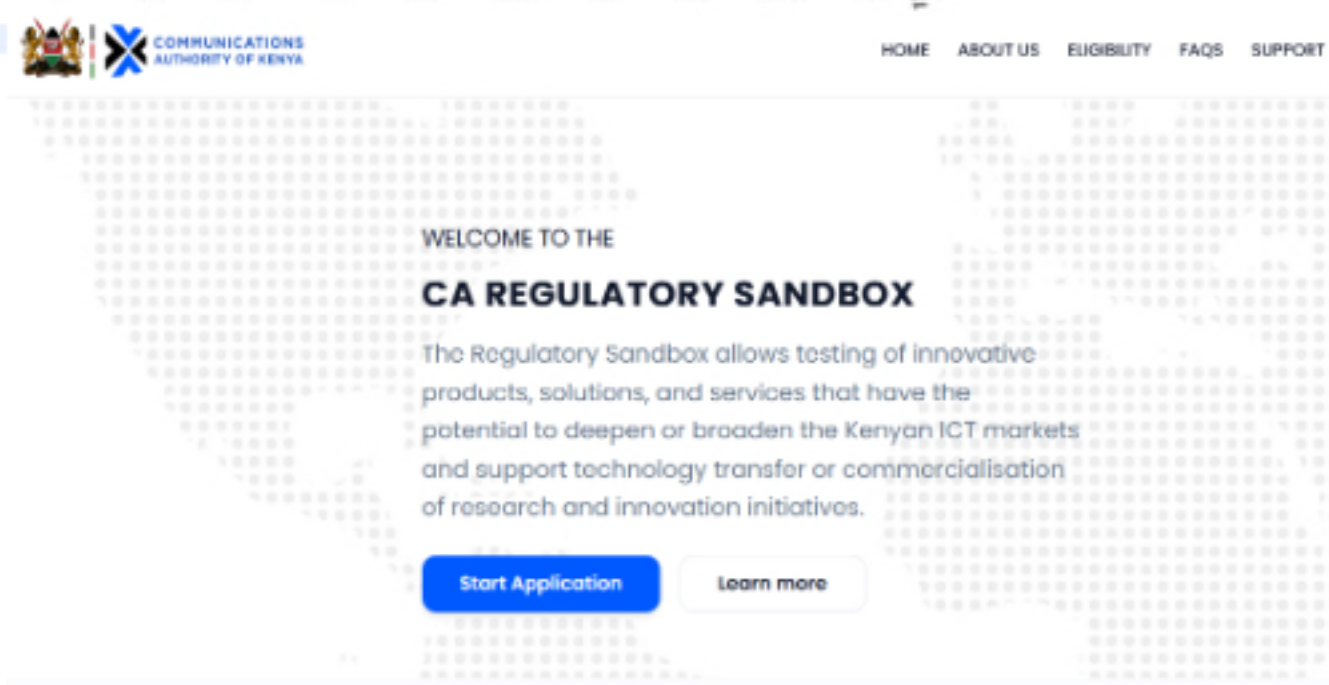
2025-2026

Stakeholder/ Industry Collaboration



**Recommendation 1: Deployment of a Pilot NPN Network in one of the Rural Counties**

**Recommendation 2: Stakeholder Engagement on Regulatory Models for NPNs**



**Priority Bands: 1800 (band 3)  
3.6-4.2 GHz (n77 & n78)**

**Conduct Technical & Spatial Analysis of Target Spectrum Bands for NPN Deployments**

**Conduct Interference Monitoring and Validation**

**Authorisation of NPN through Regulatory Sandbox**  
<https://sandbox.ca.go.ke/>

**Pilot a community network running a sustainable NPN. (Namelok CN // SERE CN)**

**Demonstrate Industry 4.0 innovations, Campus Network (Umma University) & Enterprise Network (Only Airpark)**

Outputs



**Framework for NPN Deployments in Kenya**

**Framework for Licensed Shared Access for IMT Spectrum**

Outputs



**Testbed NPN Network**

**Demonstrable use cases for innovation**

**Legacy Challenges:**

1. Balance Between Competition and Deployment – Encourage active capacity sharing.
2. Conventional public networks' limited ability to support use cases due to various factors.

