

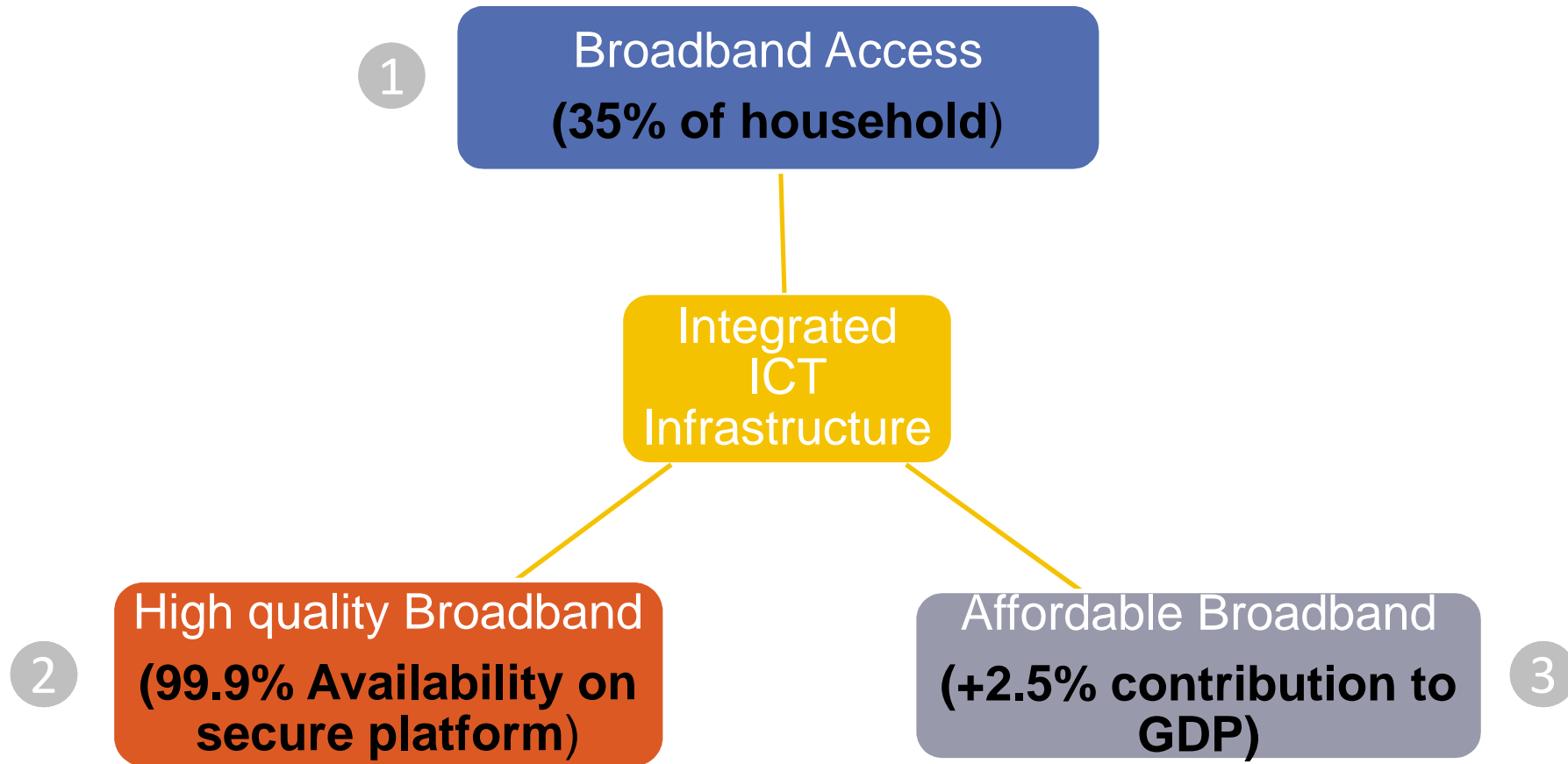
## CAUCUS 1

# INTEGRATED ICT INFRASTRUCTURE

### OBJECTIVE

Support provision of reliable, secure and affordable connectivity across the country to all citizens

# KEY OUTCOMES



# FLAGSHIP PROJECTS

## Integrated ICT Infrastructure

### 1 Secure ICT infrastructure to all National and County

- ✓ Private network roll-out by private network operators – **Mobile penetration 88.1% Broadband penetration 14.7%, Internet Access 74.2% for 100 inhabitants**
- ✓ NOFBI Extension - **Phase 2** under implementation to be completed by 2016 with **2100 KM Backbone to 47 counties**
- ✓ GCCN extension (PHASE II) – **Development of requirement done. Power backup upgrade contract awarded and to be completed within 6 months.**
- ✓ CCP II – **Development of requirement ongoing implementation planned with completion on NoFBI Phase 2**

### 2 School community network

- ✓ Schools network and its connection to the Internet – **Development of requirements ongoing (Notable private sector initiatives)**

### 3 Health community network

- ✓ Health Networks and its connection to internet – **Development of requirements ongoing**

### 4 Mombasa as a regional internet exchange point – Operational

### 5 Data centre expansion (IAAS, SAAS) – Not Started

# Challenges

## Integrated ICT Infrastructure

### 1 Sustainability and Scale:

- ✓ Need to have a new level of collaboration, both within GOK and private sector from concept development to post project implementation
- ✓ A new approach to scaling solutions to achieve real impact is needed

### 2 Improve Project Management Skills:

- ✓ Support is required to build project management capacity within GOK. Most PMO still require advance knowledge, expertise and organizational capacity needed to run large-scale, sustainable infrastructure projects

### 3 Funding and ROI:

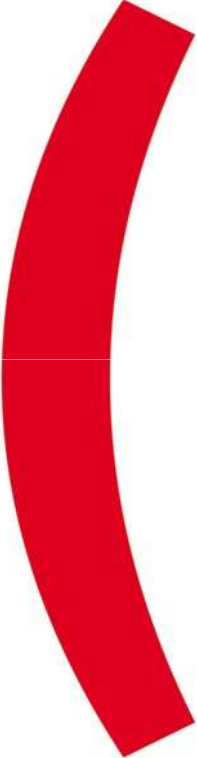
- ✓ Especially for the operational and maintenance. There is need to relook at the business models for some of these infrastructural ventures to guarantees value to the users and ROI to GoK

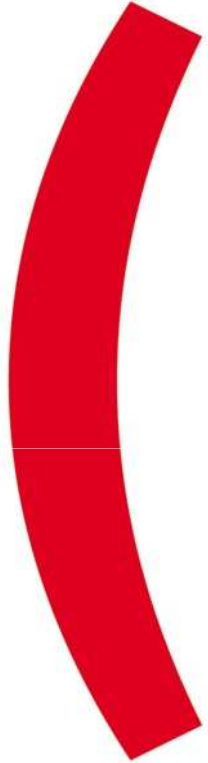
### 4 Availability, reliability and affordability:

- ✓ Need for implementation of universal access, and effective supply-demand broadband access model
- ✓ Need for infrastructure sharing through GOK regulation
- ✓ Need for effective performance monitoring
- ✓ Need for adequate power infrastructure to support ICT infrastructure
- ✓ Need to enact and enforce the critical infrastructure bill

# Recommendations

## Integrated ICT Infrastructure

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- 1 **Public-private partnerships** should play a leading role in the development of a national fibre optic network. This will require coordination between operators of fixed networks to ensure that installations are not duplicated while other areas remain underserved
  - 2 To have a **clear roadmap for implementing various projects** with clearly outlined roles and responsibilities, key performance indicators and timelines for delivery jointly monitored through CAUCUSES
  - 3 For flagship project the PMO office to be well equipped with **skilled project managers** (MUST have a evident track record of successful project implementation)
  - 4 Use of low taxation and tax breaks appropriately on imported equipment and software, for reduction of the cost to deliver projects and hence accelerate adoption



THANK YOU

Q&A