



One Country. One Voice.

# Empowering Society With ICT

Janaka R. Abeysinghe

General Manager – Enterprise Sales Division  
Sri Lanka Telecom PLC

# Moving Towards A Connected Society



One Country. One Voice.



Broadband Services | Social Media | Cloud Computing | Smart Devices

# Learning

– Making More Affordable & Accessible With ICT



## Then – Learning by listening



- A privileged few have access to quality education
- Educational services offered only at a fixed time and a place
- Teacher-centric approach
- Terminate studies with a diploma /degree

## Now – Learning by doing



- Education is a universal right
- Educational services are delivered anywhere, anytime
- Student-centric approach
- Lifelong learning

# Healthcare

- Making More Affordable & Accessible With ICT



- long-distance clinical health care
  - remotely monitor and manage patients
- patient and professional health-related education

# Use of Social Media - Crime Awareness



## Then – Warning Signs



## Now - Policing 2.0

facebook

Email or Phone  Password  **Log In**

Keep me logged in [Forgot your password?](#)

A Force for the Nation

**Singapore Police Force** Like

288,962 likes · 2,314 talking about this

Government Organization  
Welcome to the official Facebook page of the Singapore Police Force. This site should NOT be used for reporting crimes. For emergencies, please call 999. For non-

About

Photos Videos Contact Us CrimeWatch

**Singapore Police Force** shared a link. Yesterday

Police have arrested five Singaporean males aged between 17 and 23 who are believed to be involved in a case of gang robbery in the vicinity of Toh Guan Road East.

On 26 June 2012 at about 1am, a 28-year-old male victim was confronted and ...See More

**EMERGENCY NUMBERS**

Emergencies	999
Police Hotline	1800 - 255 0000
Traffic Hotline	1800 - 547 1818

**Singapore Police Force - Media Information Centre**  
www.spf.gov.sg  
Gang Robbery Suspects Arrested

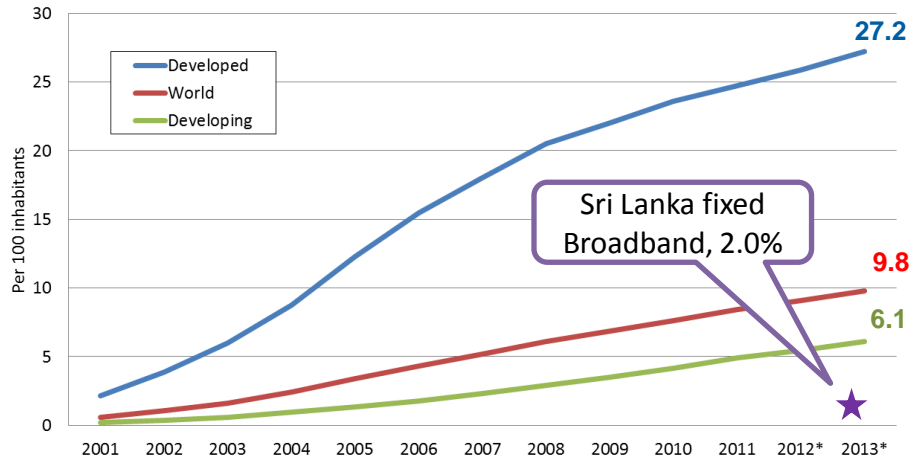
- Public education messages (road safety, road courtesy, drink driving)
- Request information from public for unsolved cases
- Counter terrorism messages
- Crime prevention tips (YouTube)
- Broadcast channel for crisis communications (Twitter)

# Growth in Broadband – Globally



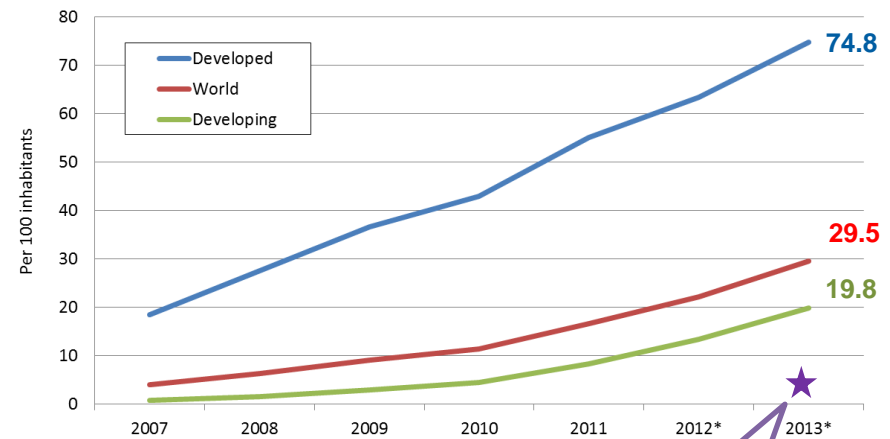
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Fixed (wired)-broadband subscriptions per 100 inhabitants, 2001-2013



The developed/developing country classifications are based on the UN M49, see: <http://www.itu.int/ITU-D/ict/definitions/regions/index.html>  
 Note: \* Estimate  
 Source: ITU World Telecommunication /ICT Indicators database

Active mobile-broadband subscriptions per 100 inhabitants, 2007-2013



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Sri Lanka Mobile Broadband, 4.5%

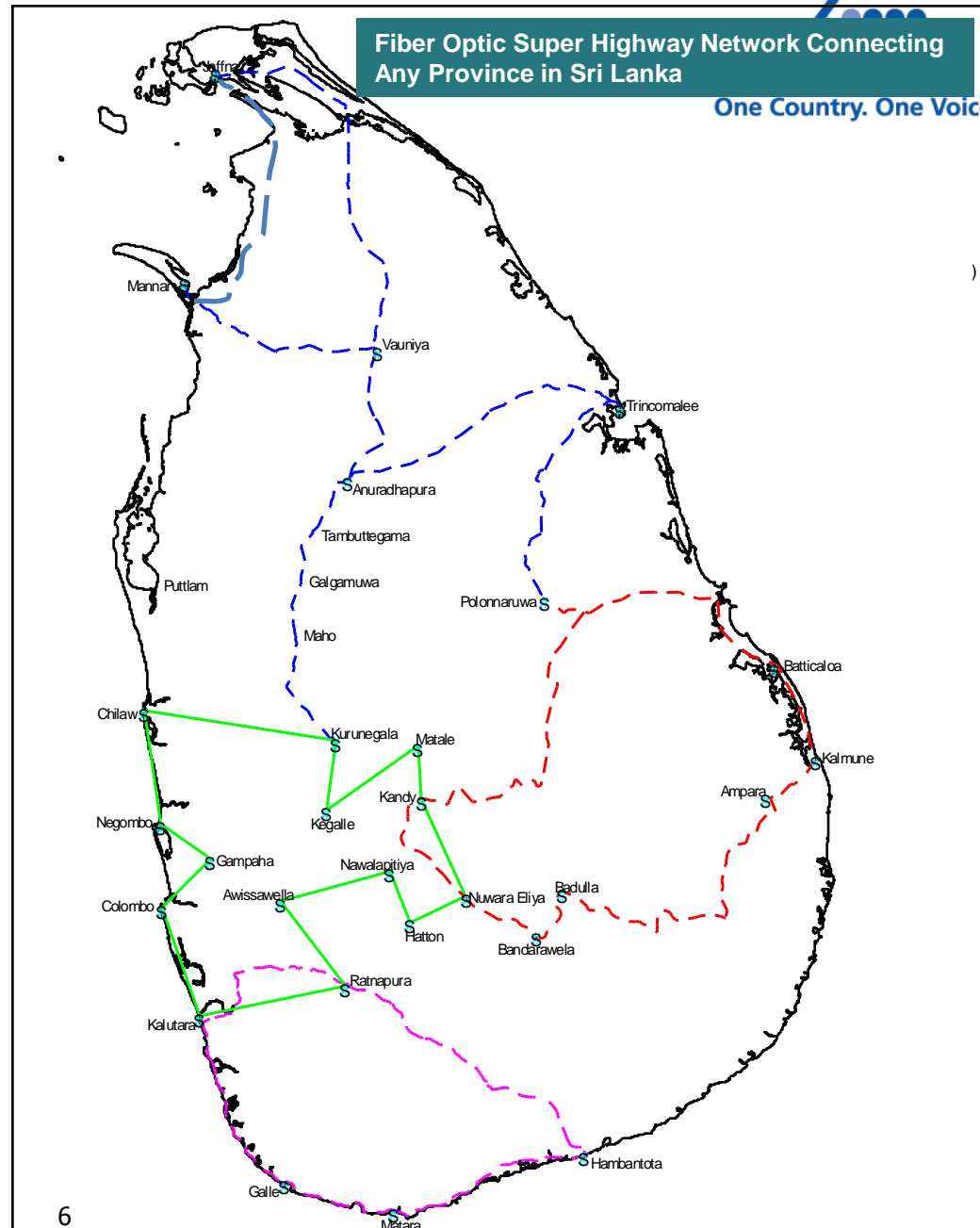
- Growing trend in Fixed and Mobile broadband service in both developed and developing countries
- Sri Lanka fixed and wireless broadband penetration is below the developing countries and only a fraction of world average.
- Substantial growth in SL broadband will occur over the coming years

## In Sri Lanka at end 2012,

- Fixed Broadband Penetration : 2.0%
- Mobile Broadband Penetration : 4.5%
- Total Broadband Penetration : 6.5%

# Building A National Backbone Network (NBN)

- Covers all 329 Divisional Secretariats within next 5 years
- Facilitate Broadband connectivity across Sri Lanka
  - High-speed connectivity
  - Uninterrupted access to services (e-learning, e-health, e-commerce)
  - Highest redundancy
- Broadband Access to Services
  - xDSL
  - Metro Ethernet/ IP VPN
  - WiFi
  - LTE
- Improved Accessibility to Services
- More Affordable Services

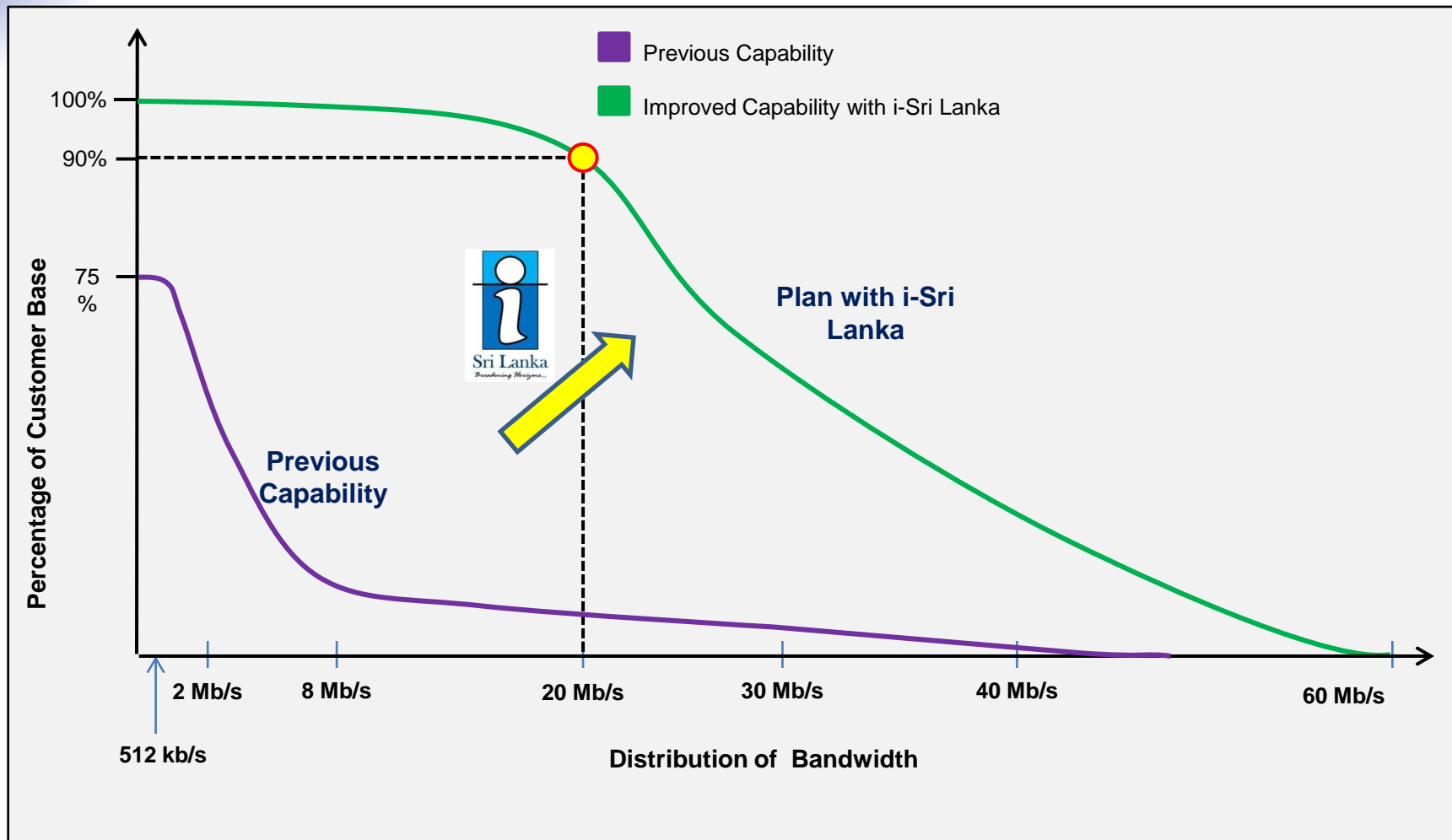


# i-Sri Lanka 90/20/14

## Improving the Broadband Capable bandwidth



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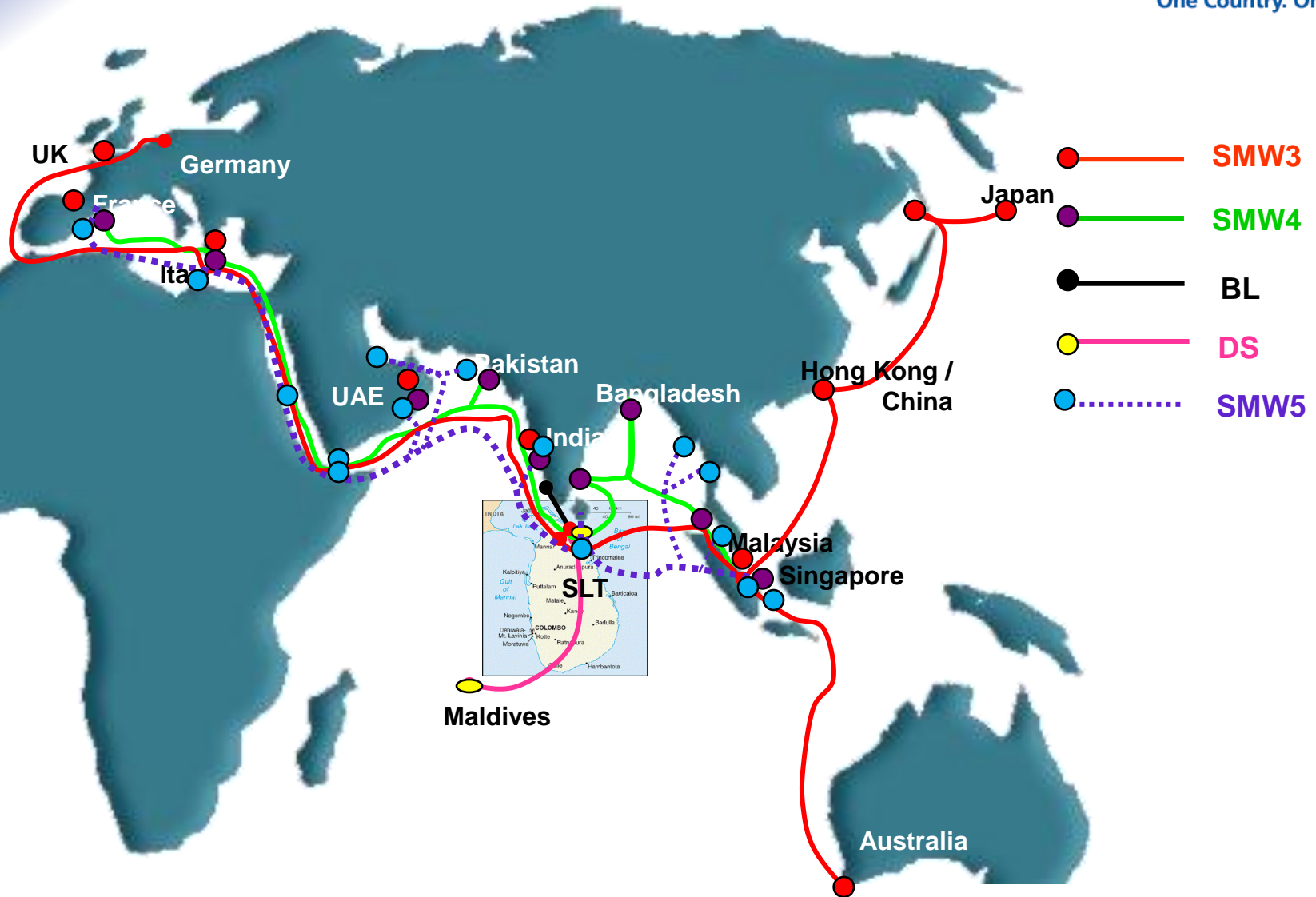
Less than 50% of SLT fixed (wire line) customers currently have access to IPTV (SD) and 2Mbps (or higher) broadband



# Expanding Global Connectivity



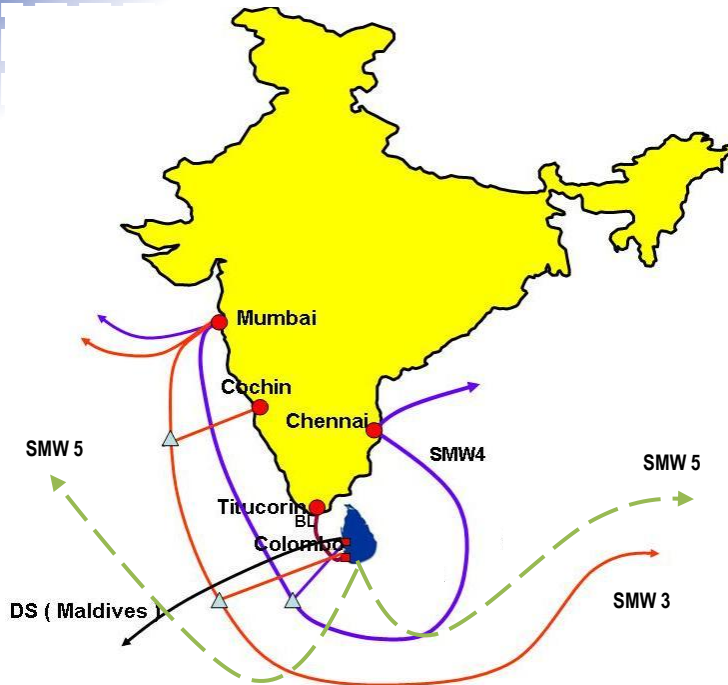
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# Sri Lanka – Global Connectivity



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- **SMW 3** - 10 Gbps
- **SMW4** - 10 Gbps
- **BL (BSNL & SLT)** - 10 Gbps
- **DS (Dhiraagu & SLT)** - 10 Gbps
- **SMW 5** - 100 Gbps

## Planned OF Cable System - SMW 5

- Very low latency
- Capacity activation in Wavelengths
- Minimum Bandwidth 100 Gbps
- Operational by 2016

- Diversified Optical Fiber Routes to Globe
  - low latency
  - high speed
  - Lower price
- Deliver more affordable services
- Improved accessibility to services

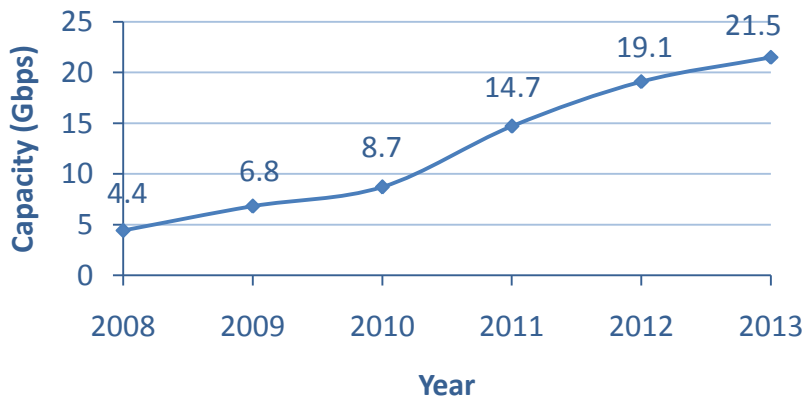
# Largest Internet Backbone – 21.5 Gbps



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SLT - Internet Backbone Growth



- High speed, low latency connectivity
- Deliver more affordable services
- Better accessibility

# Hosting and Co-location Facilities - SLT iDC



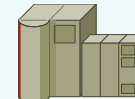
One Country. **iDC** Voice.  
**Virus Guard**

Complies with highest International Information Security standards (IEC/ISO 27001 certification)

**SLT iDC**



**ADSL**  
**Dialup Internet**  
**HSPA 3.5G**



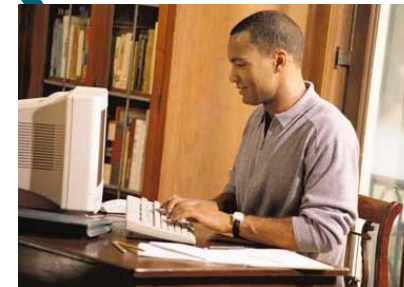
- Air Conditioning**
- UPS**
- Fire Protection**
- Database Servers**
- Web / Mail Servers**
- Maintenance Staff (24x7)**



**Home**



**Head Office**



**Regional Offices**

# Convergence and Multi-Play Services

- Personalized services & Convenience



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## Content and Services



Video and live TV   Ringtones   Games



Apps   Music   Weather Forecast

## across Medias



Wireless



Broadband



Satellite



Internet

## for any Screen



TV



PC



Mobile



Any Network

Any Where

Any Time

Any Device

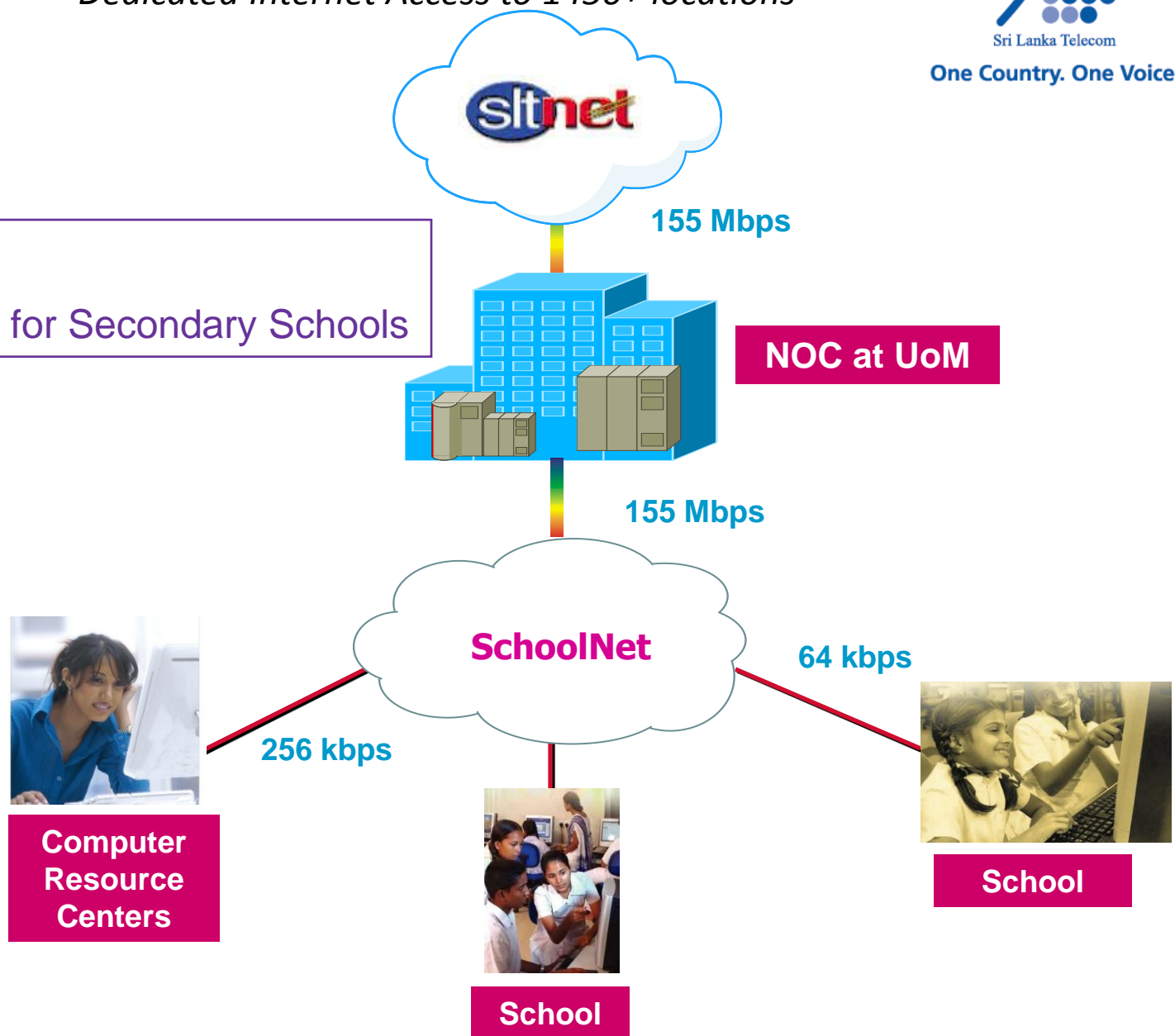
New Services  
"Government Cloud"

# SchoolNet

– Dedicated Internet Access to 1450+ locations



**Requirement:**  
Enabling E-learning for Secondary Schools



# Lanka Government Network (LGN)



**Requirement:**  
Enabling E-Government

## LGN Hub at SLT iDC



**Server Farm**  
**VoIP**  
**Email**  
**Management**

40 Mbps

Internet

Lanka  
Government  
Network

## Citizens



## Govt. Offices



**Government Office**



**Government Office**

# Government Information Center - 1919



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SLT is the infrastructure provider for  
GIC 1919 service

- Easy access to Government information
    - Telephone numbers
    - Addresses of Gov. institutes
    - Information on special events (Exam results)
  - Information on Government procedures
    - Documents, procedures (NIC, Passports)
  - Information on routine events
    - Train schedules
- 
- Remote support for Government E-Services (e-Revenue License)
  - Complain handling
    - Acknowledge complains regarding Government Organizations



# Colombo Police CCTV Surveillance System



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## CCTV cameras at main intersections



## Central Control Room



- Information can be used,
  - for crime detection/prevention
  - for traffic management
  - for confirmation of incidents
  - to record events over a time period



# ICT Has Revolutionized The Way We Work.. Live.. Learn.. & Play..



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## Work

Meetings  
Virtual Specialists



## Live

TeleMedicine  
Family Visits



Virtual Box Seat

## Play



Remote Classrooms

## Learn





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**Thank You**