Broadband Quality War: Are you a winner or a loser?

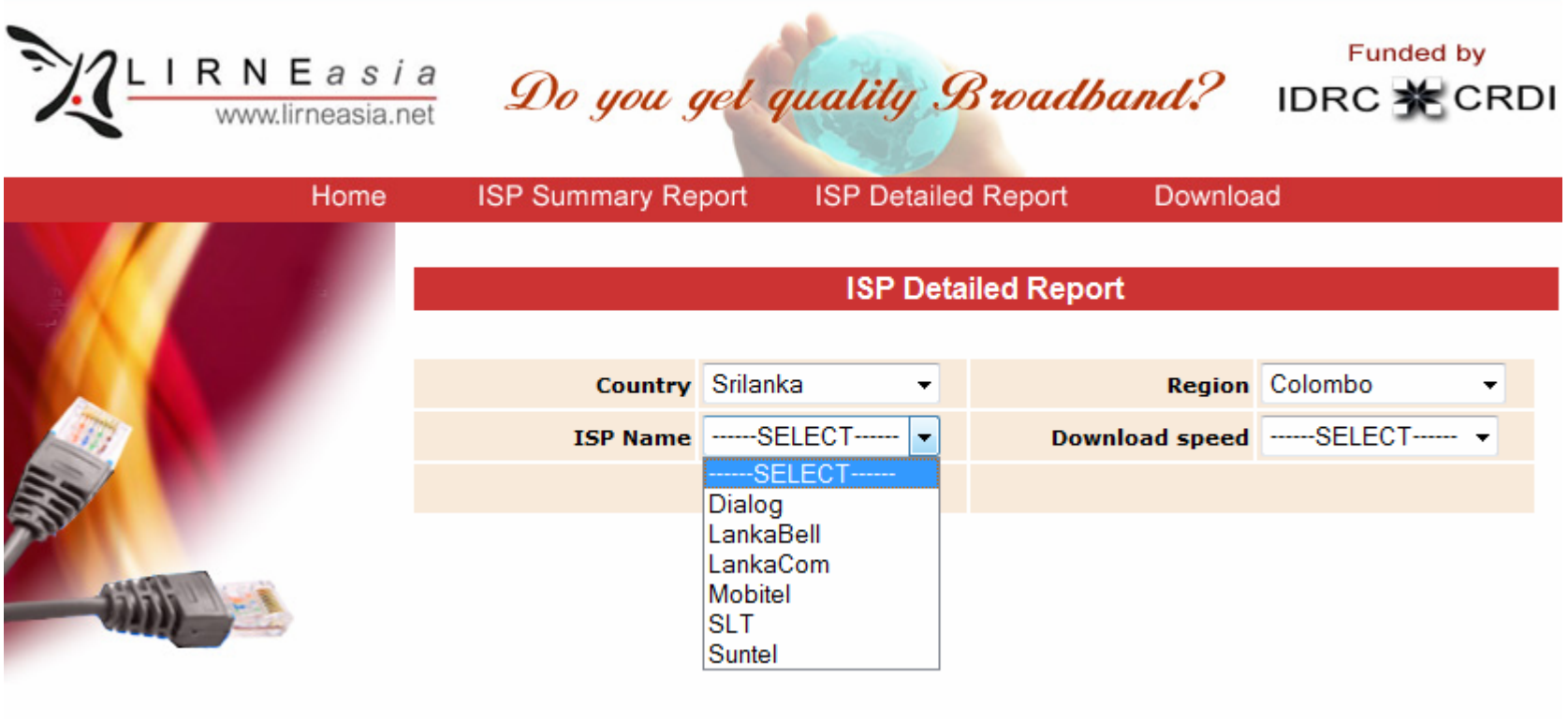
IESL Auditorium, Colombo, Sri Lanka

April 29, 2009

LIRNEasia

www.lirneasia.net

1. Trends identified from QoSE testing
2. Policy interventions based on research

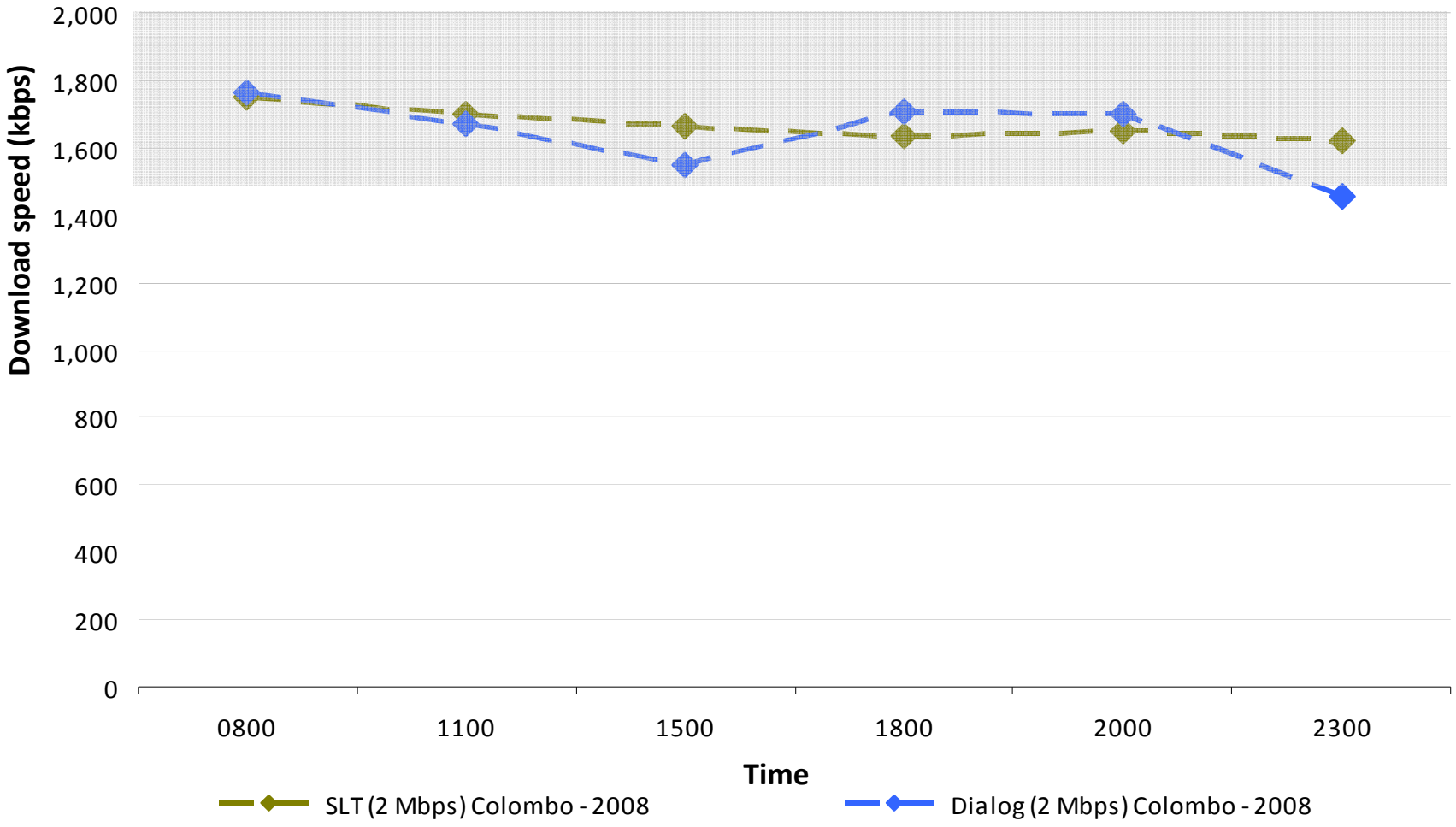


Trends identified from QoSE testing

Fixed Broadband in Colombo

Download speed: Feb 2008

Relatively healthy in ISP domain…



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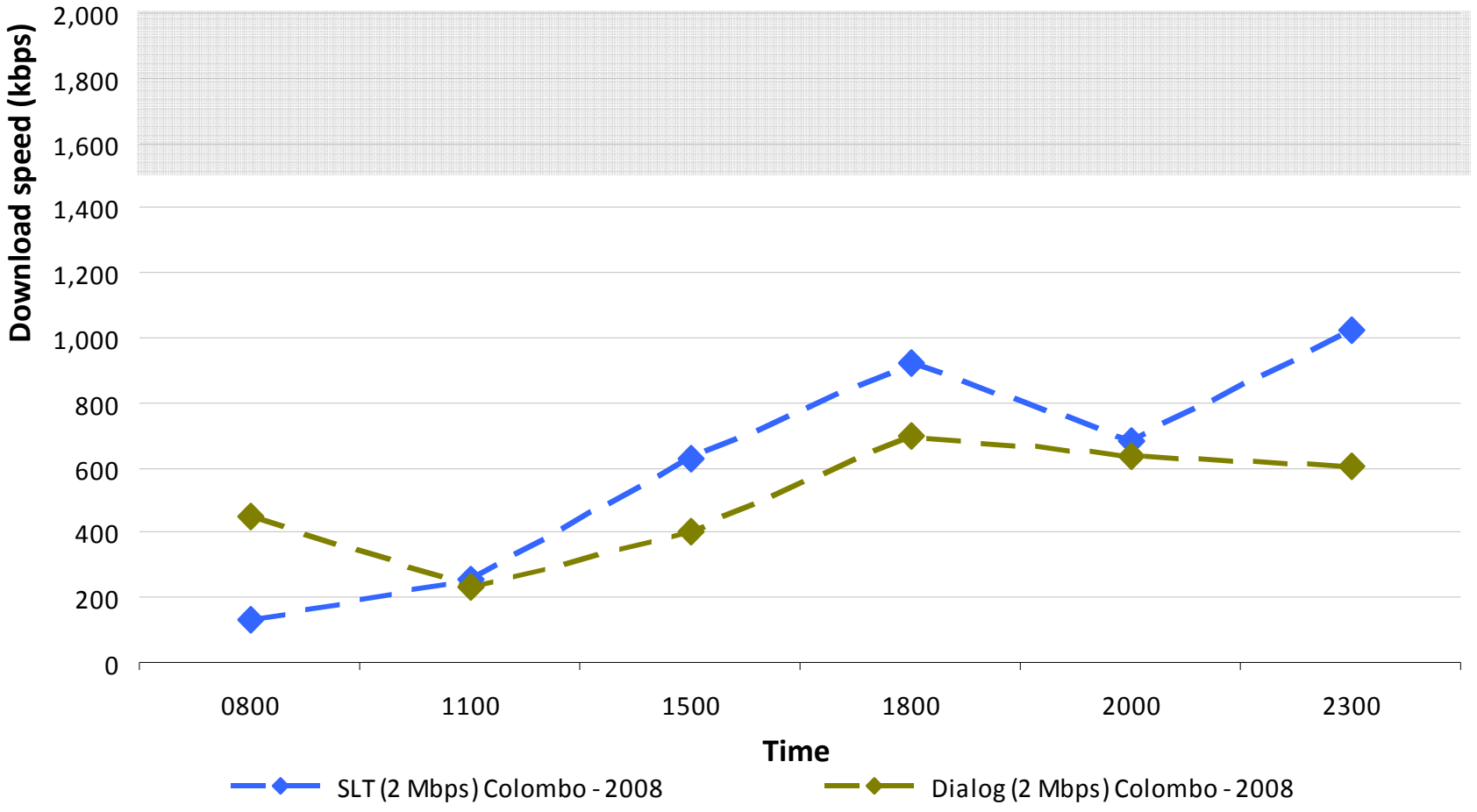
… poor in local domain …



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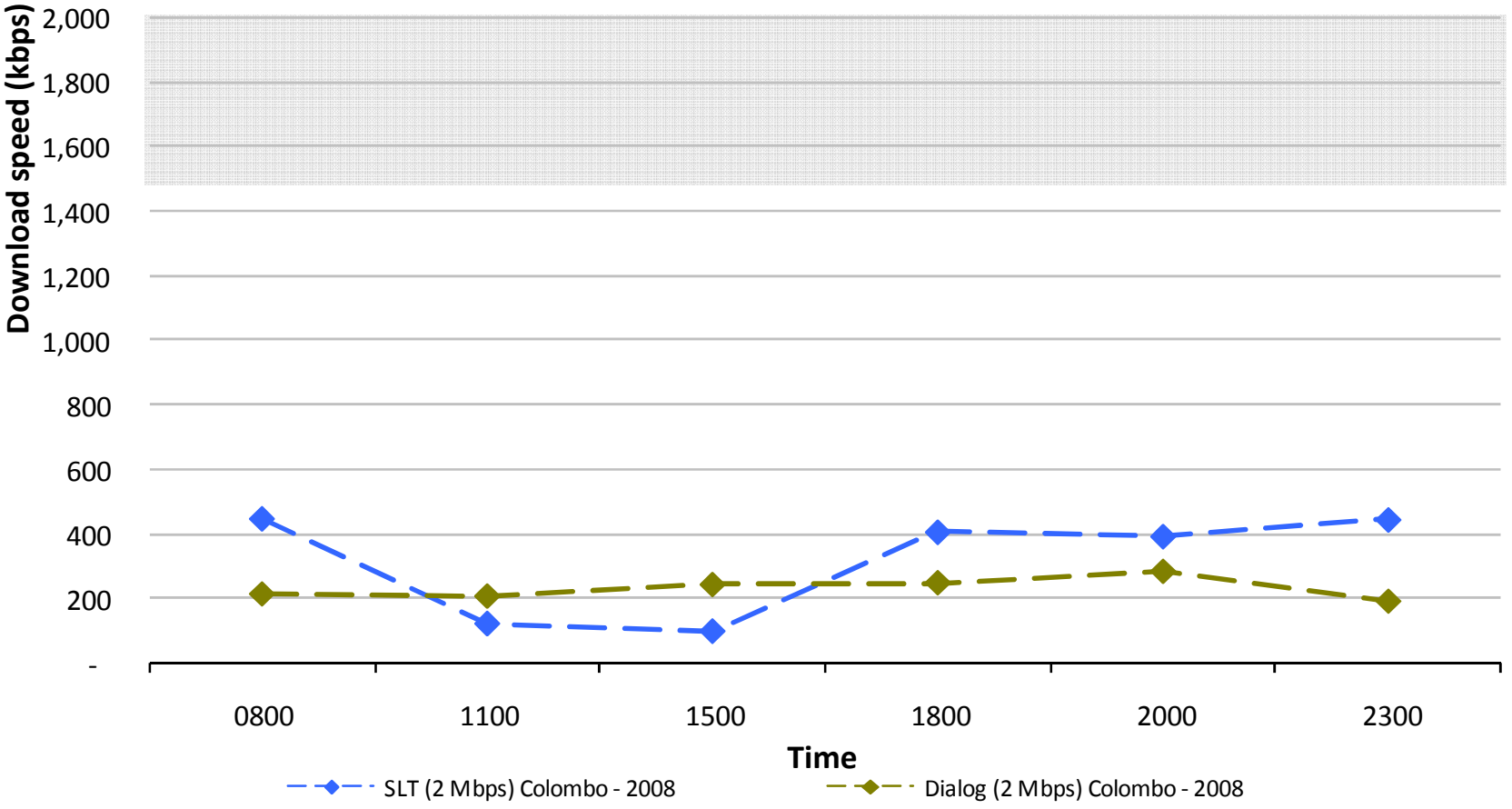
… poorer when accessing INT sites



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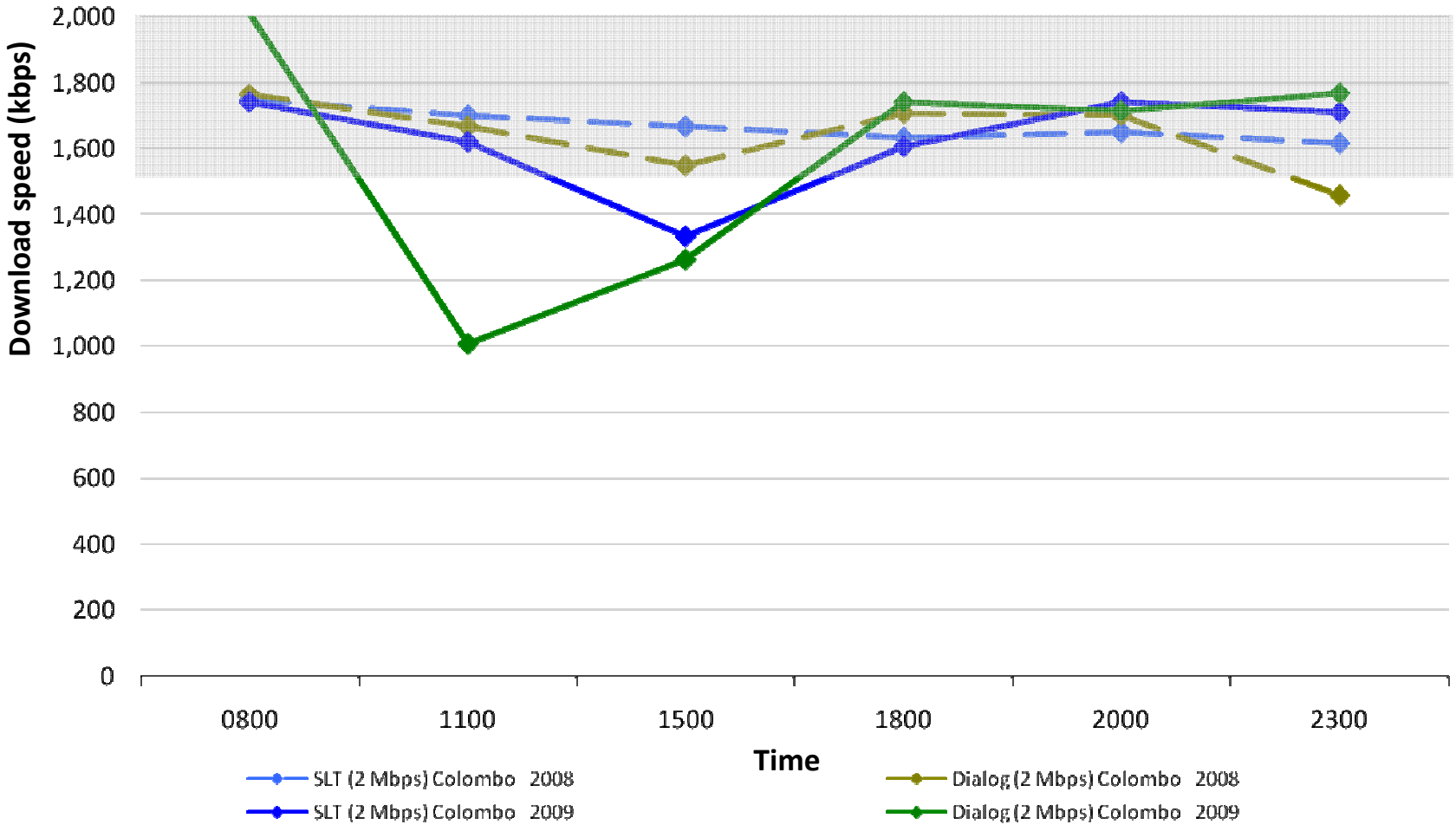
Not too different in ISP…



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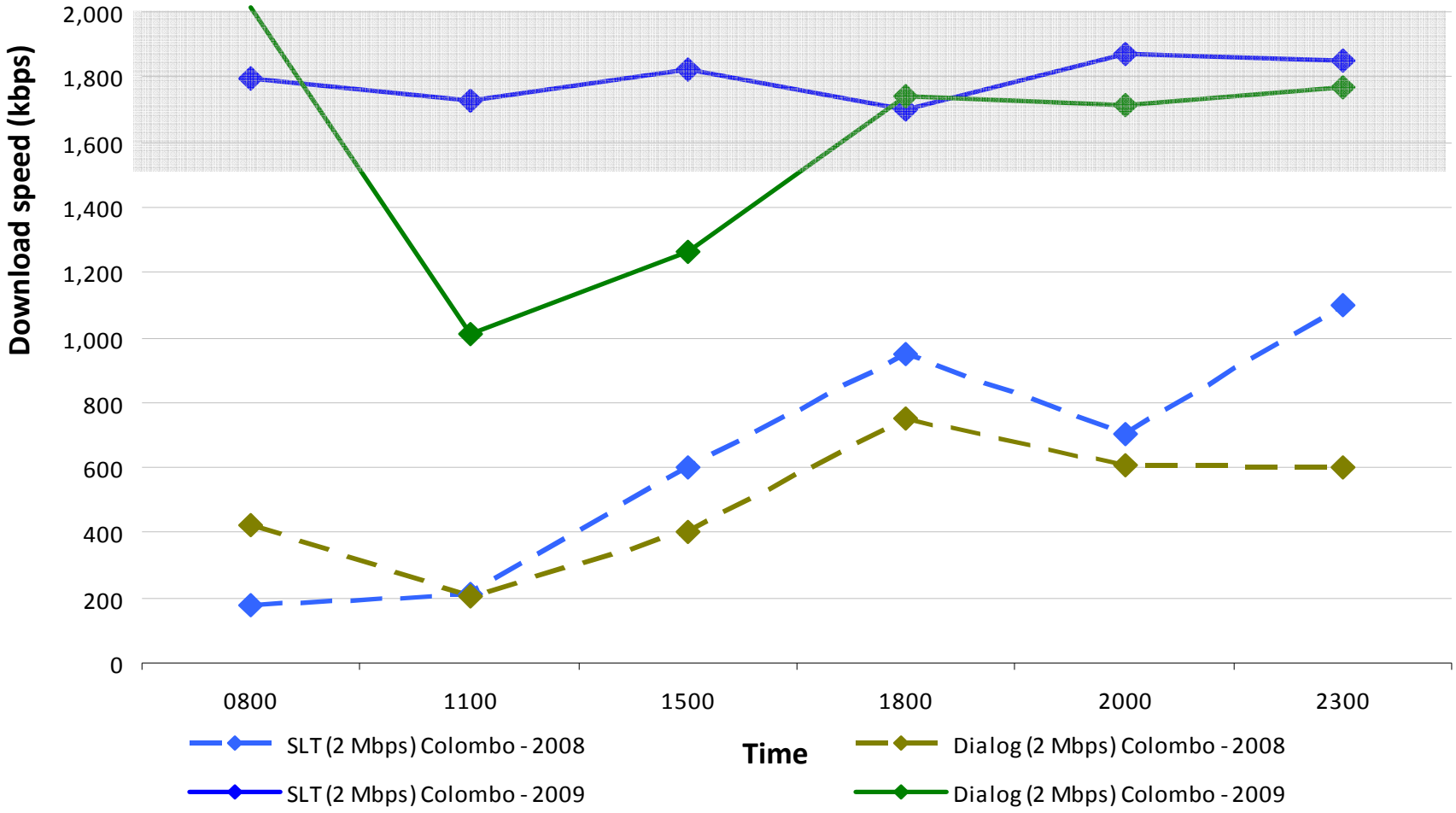
Improved in local… Why?



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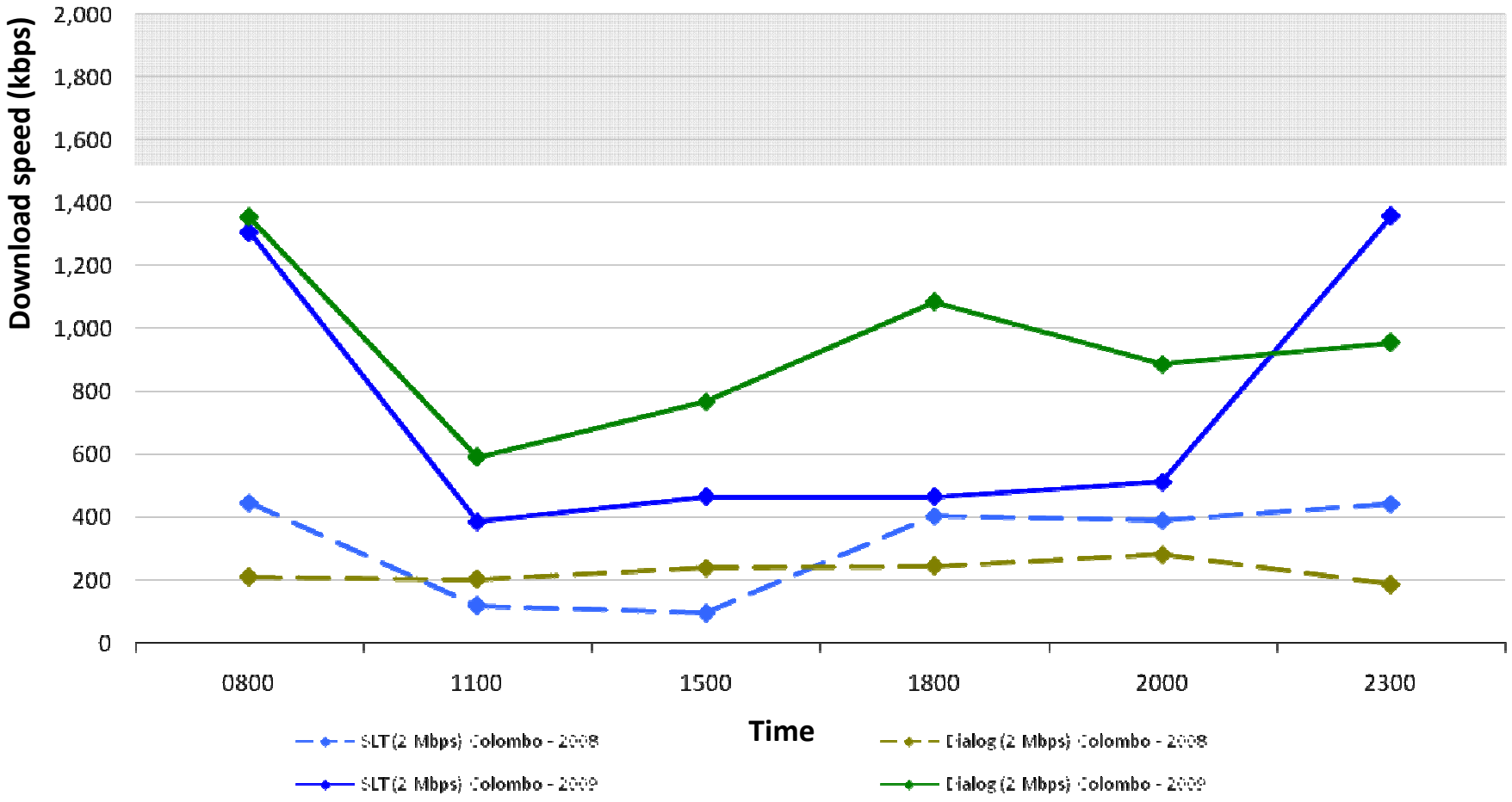
Improved in INT Why?



Trends identified from QoSE testing

Fixed Broadband in Dhaka

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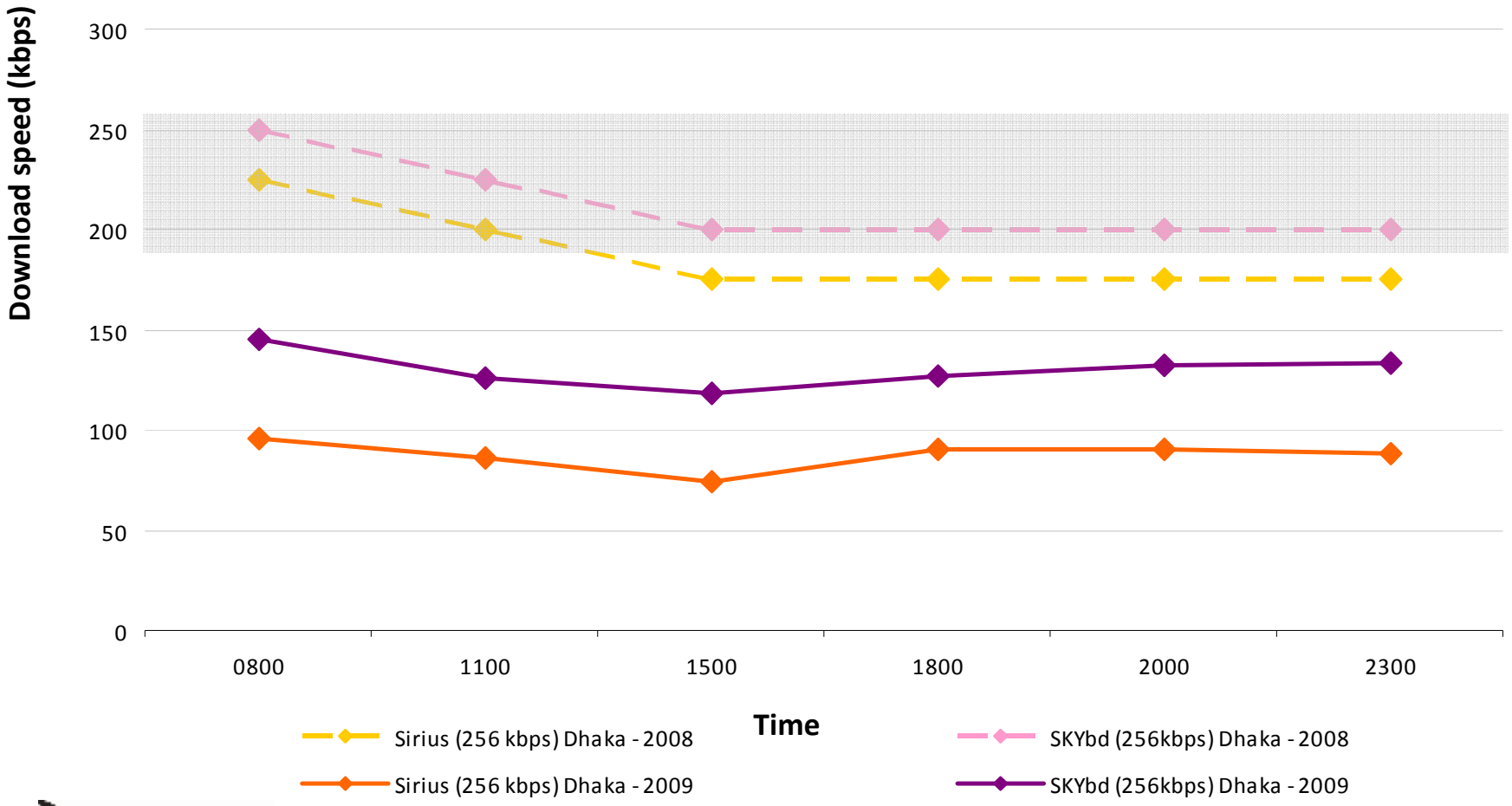
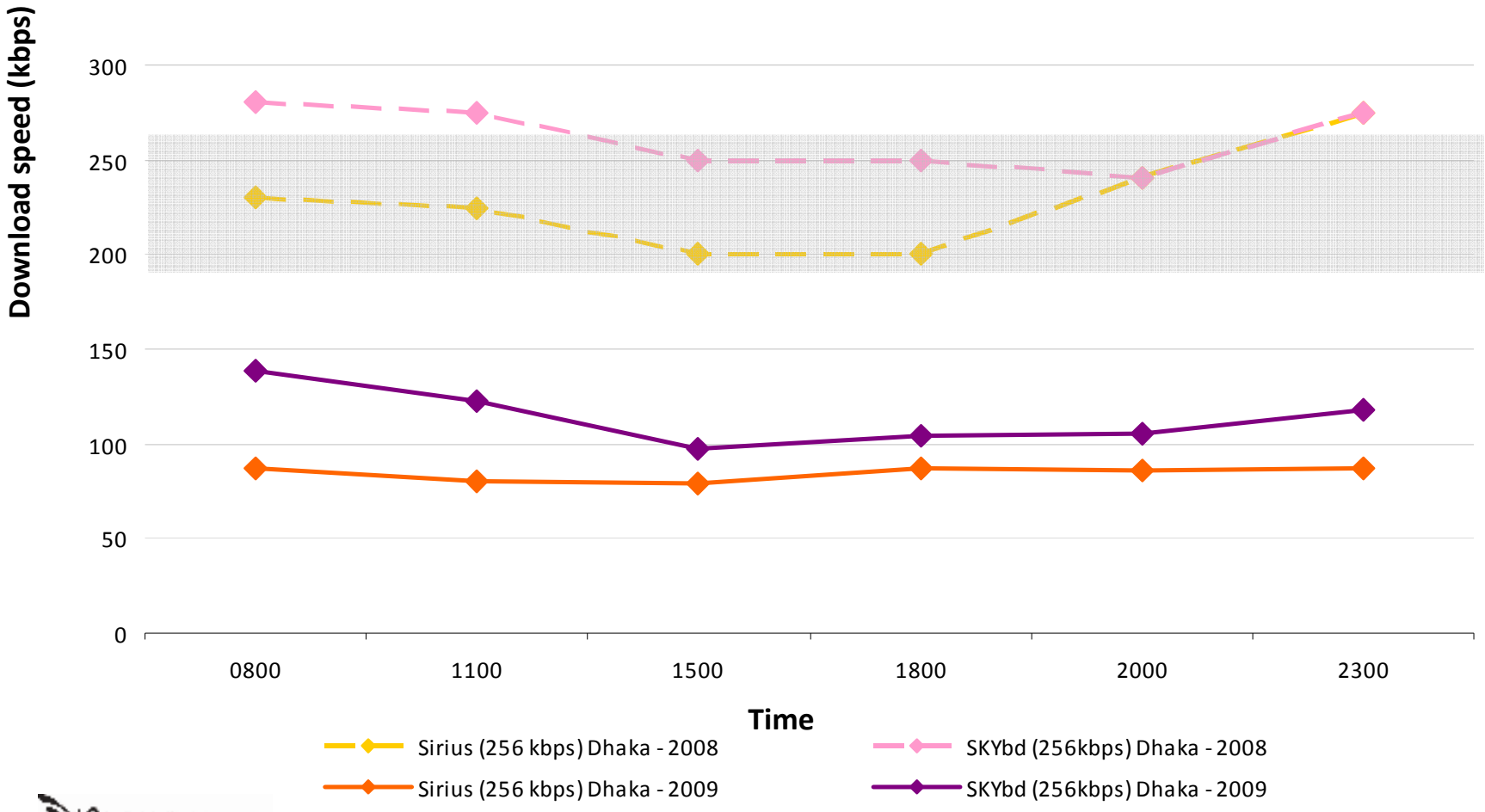
Dropped in ISP



Download speed: From Oct 2008- Feb 2009

Dropped in INT



Trends identified from QoSE testing

Fixed Broadband in Chennai and New Delhi

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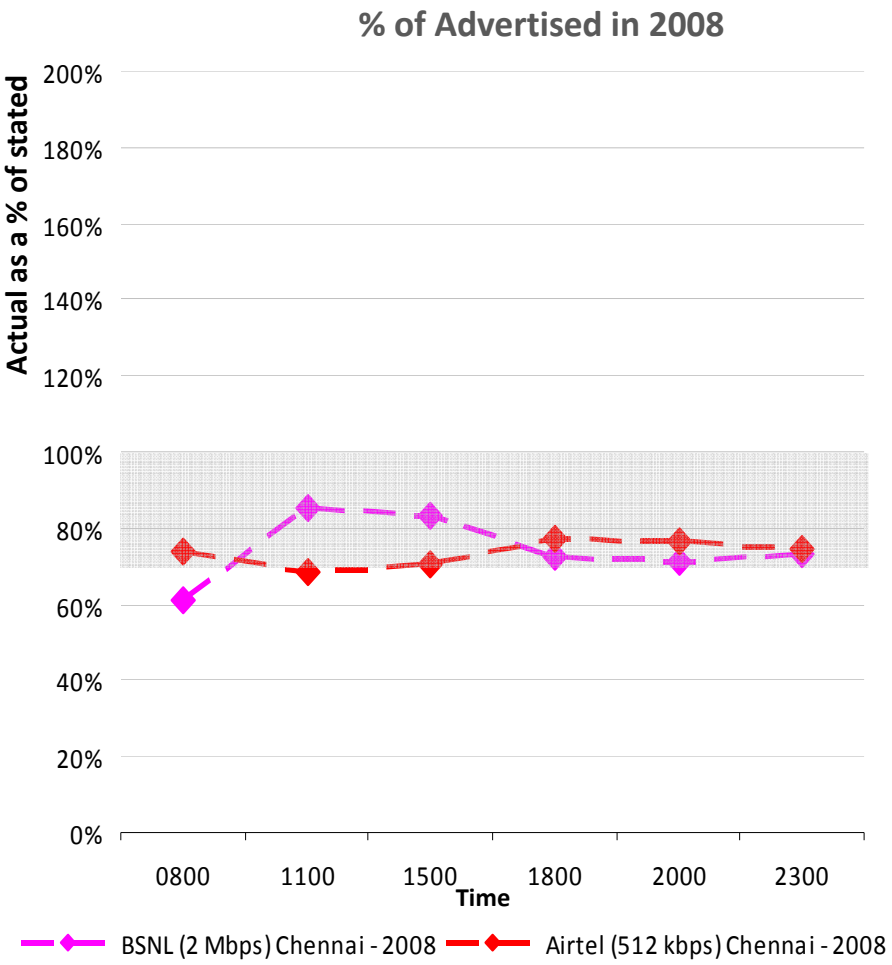
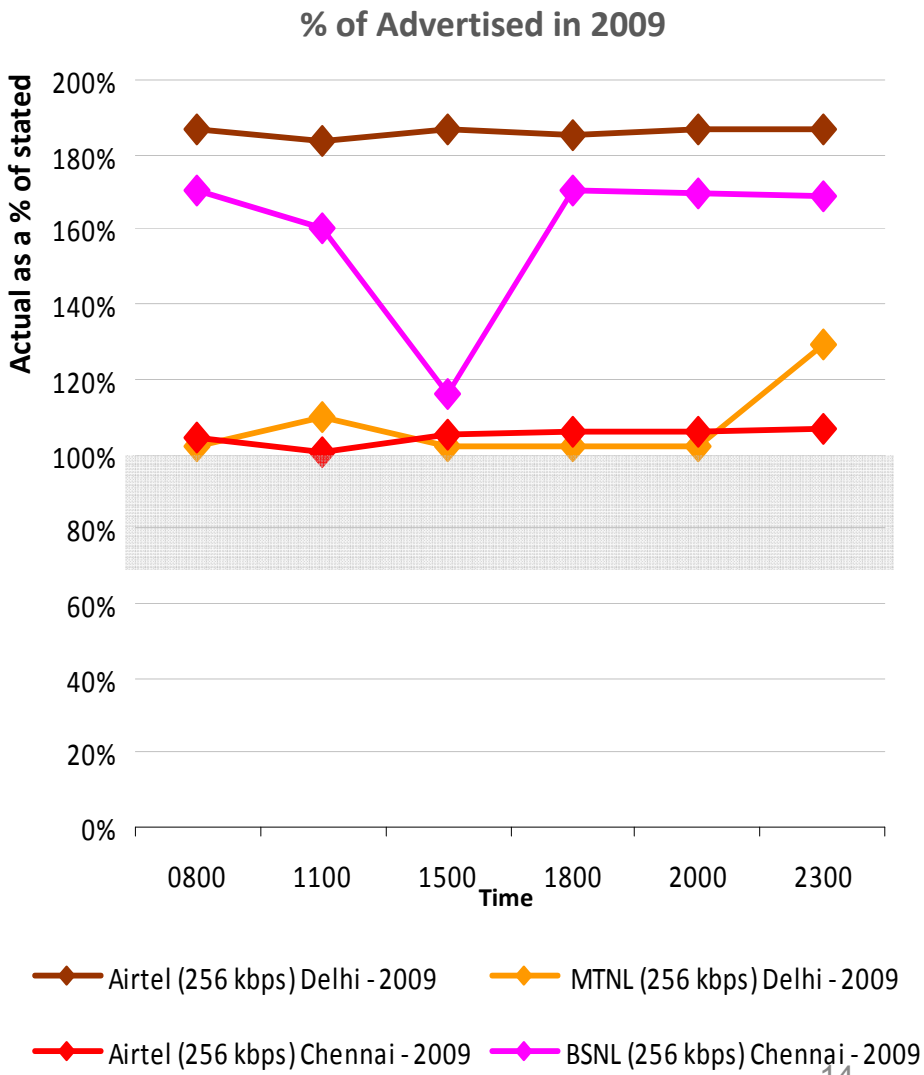
Over-delivery in ISP





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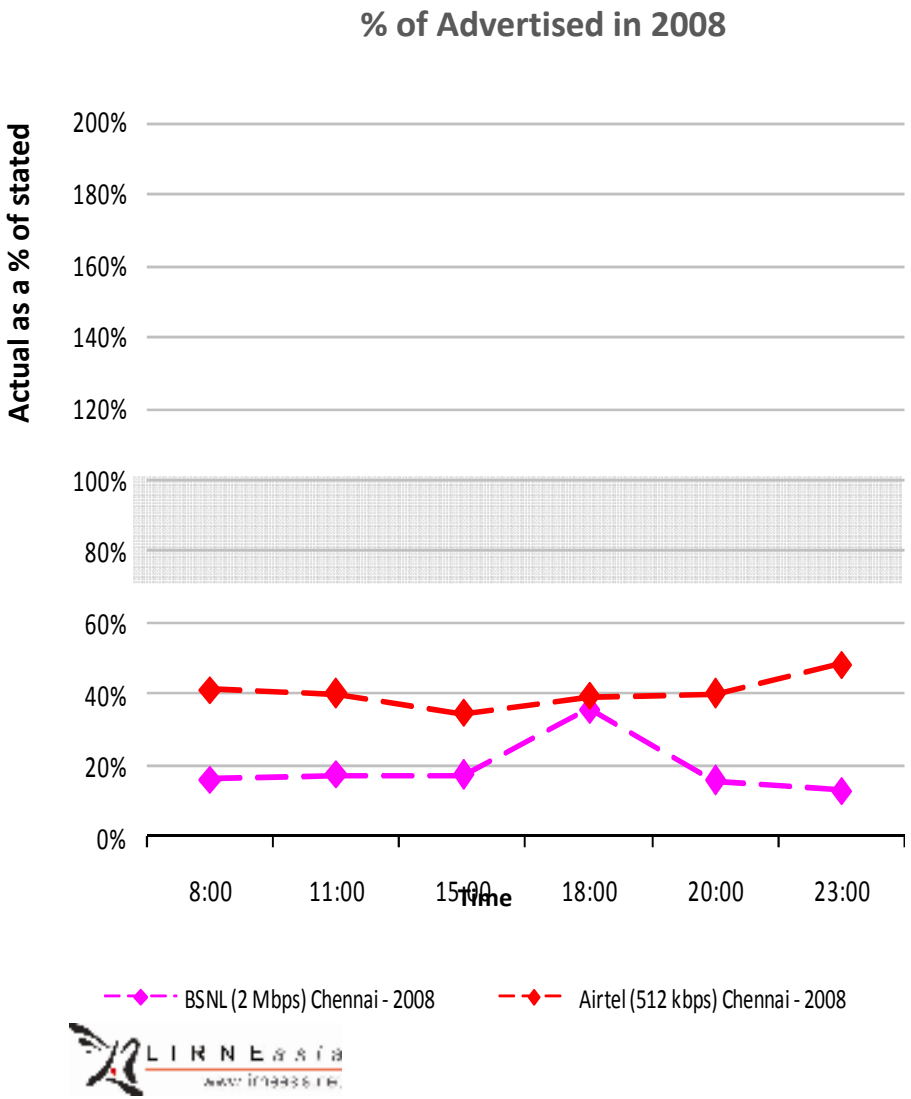
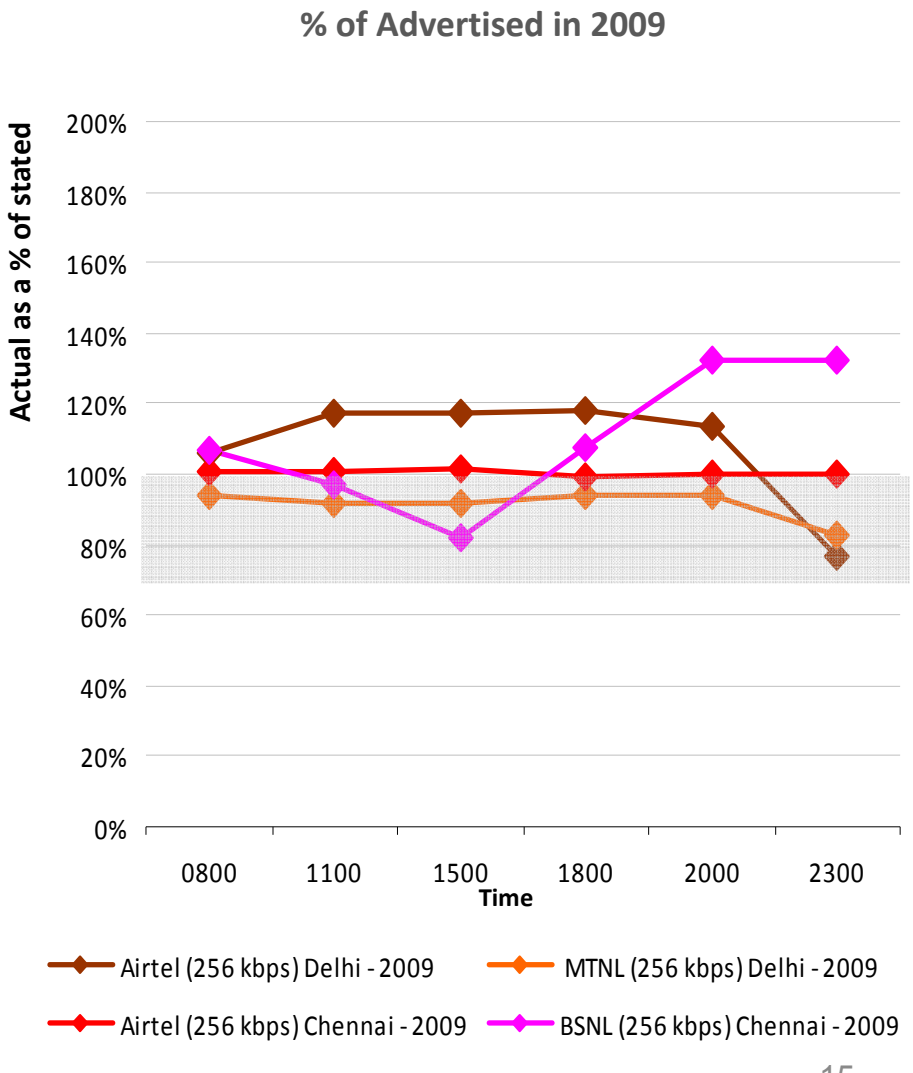
Over delivery in INT

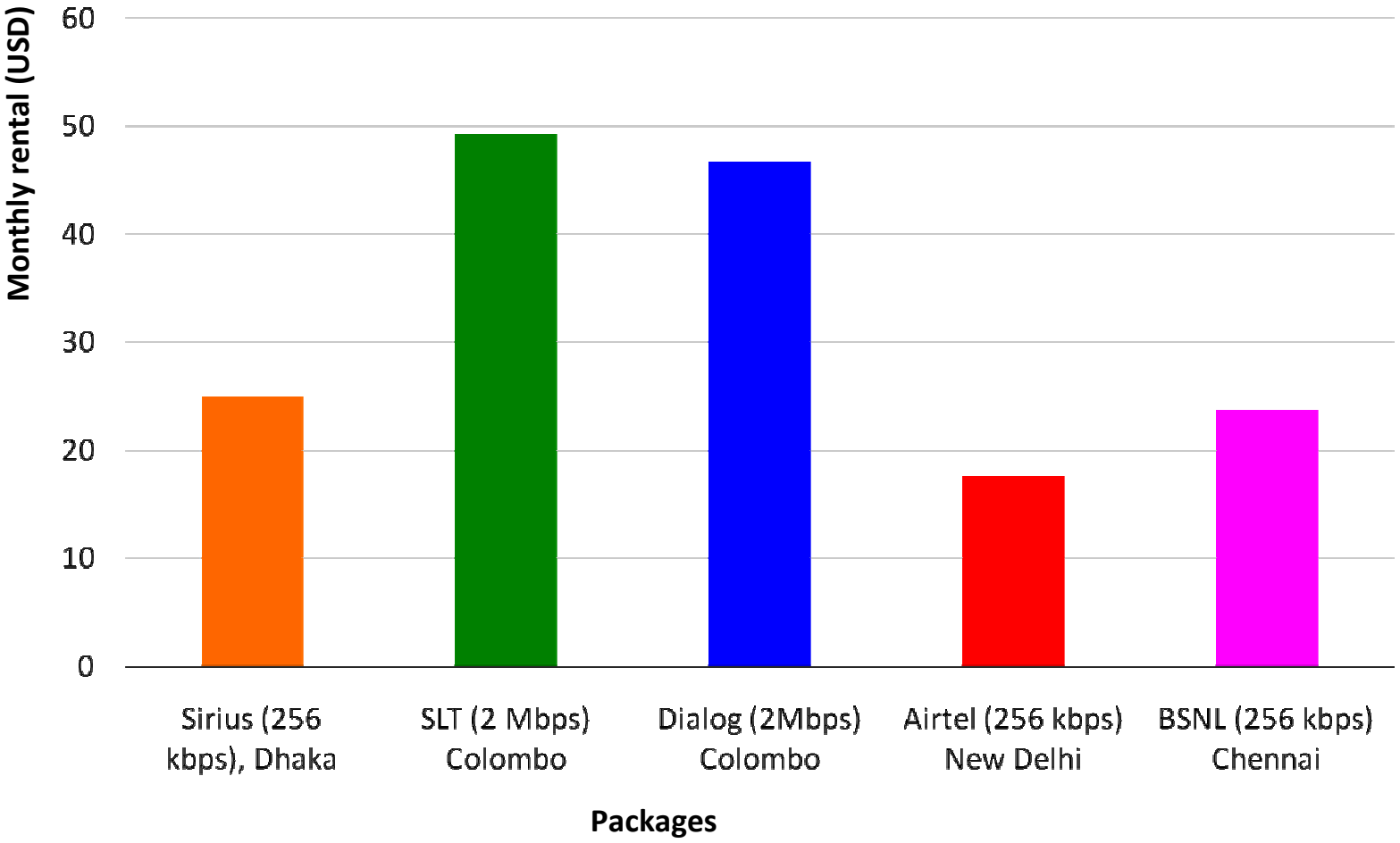




Trends identified from QoSE testing

‘The BIG picture’
Fixed Broadband in Chennai,
Colombo, Dhaka and New Delhi

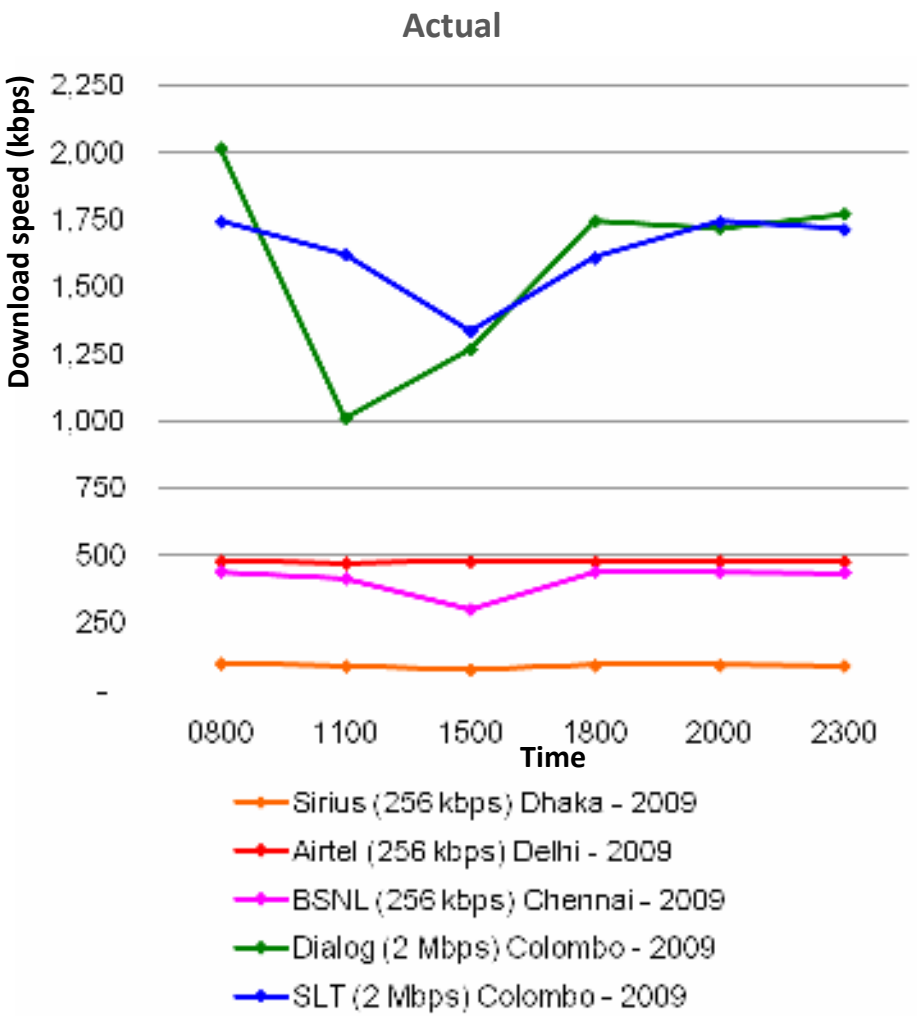
Prices*

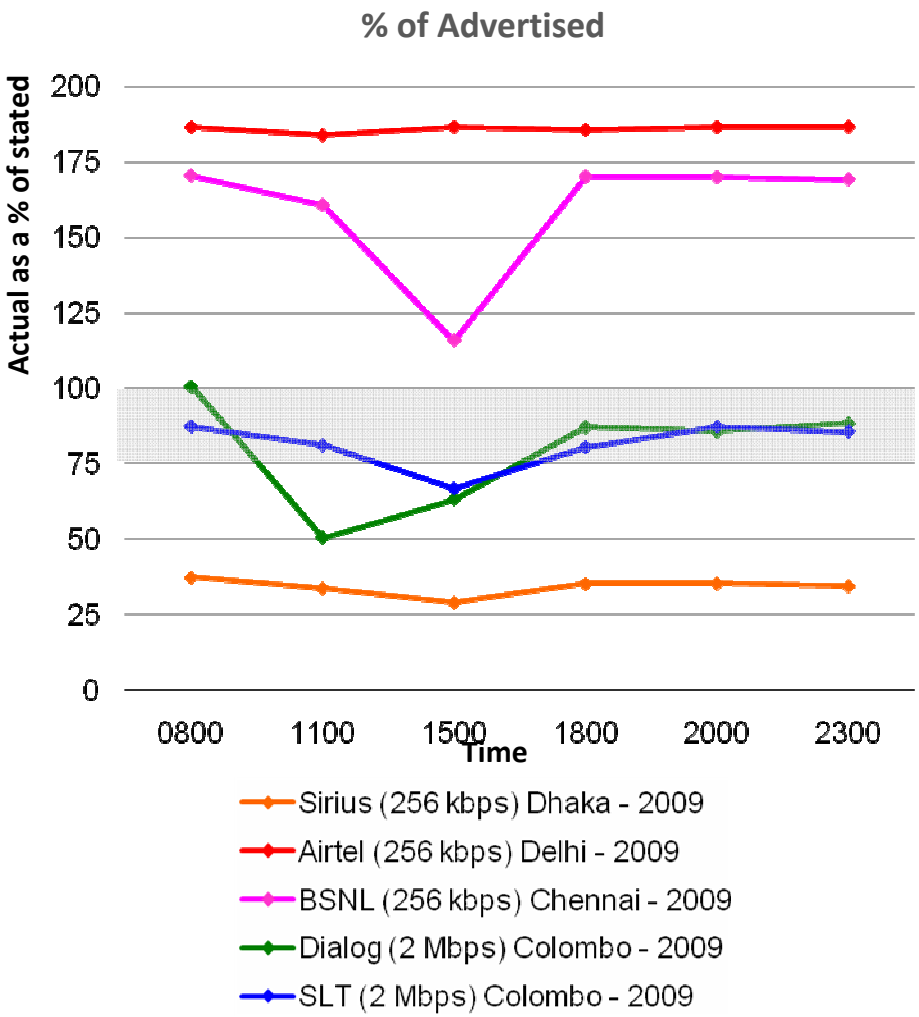


* Monthly rental (without tax) of selected packages ; not a direct comparison as other conditions apply.

Download speed: Feb 2009 - ISP

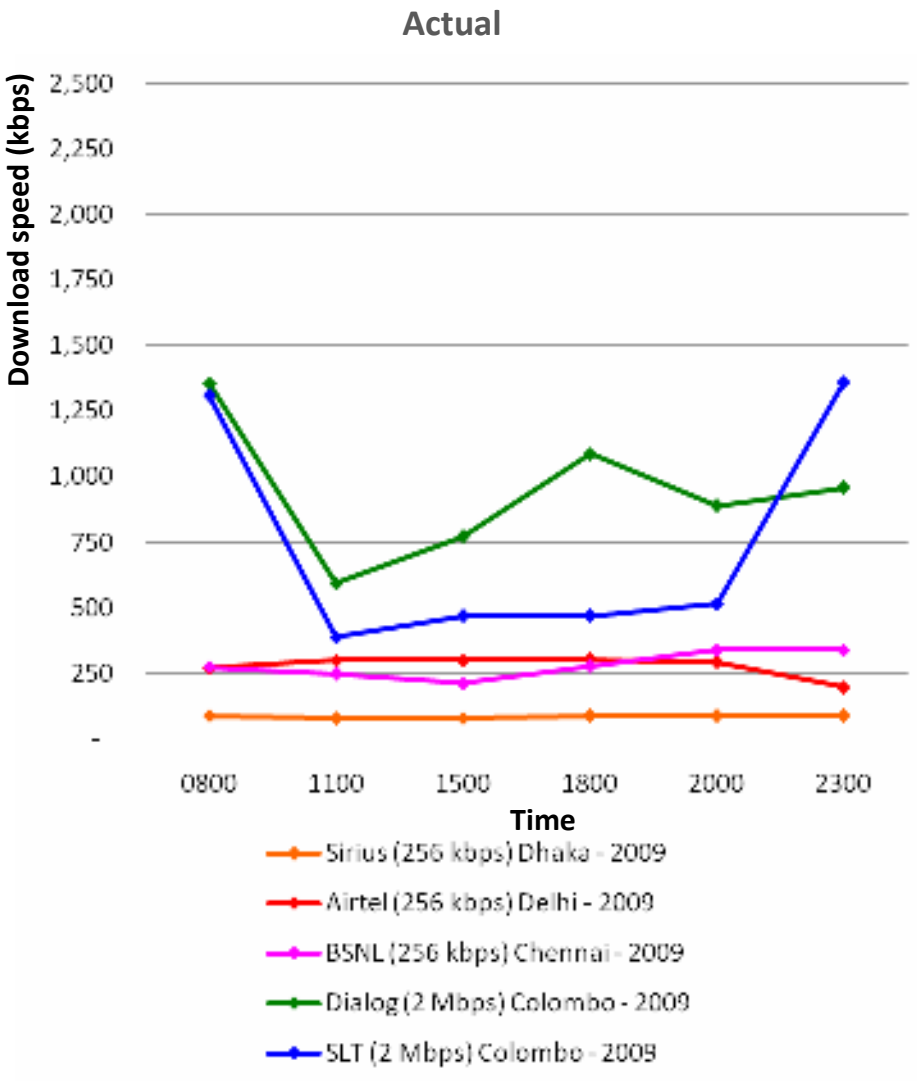
Sri Lanka: Good speeds but false advertising

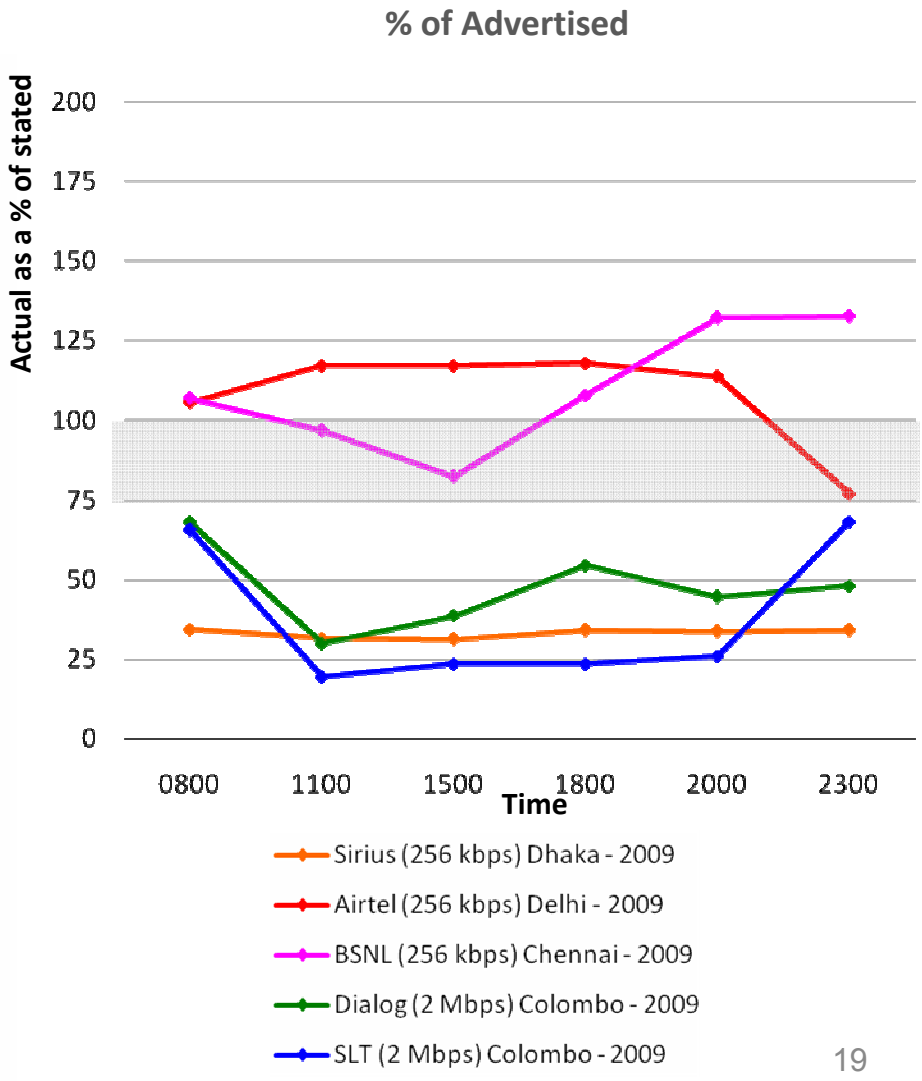




Download speed: Feb 2009 - INT

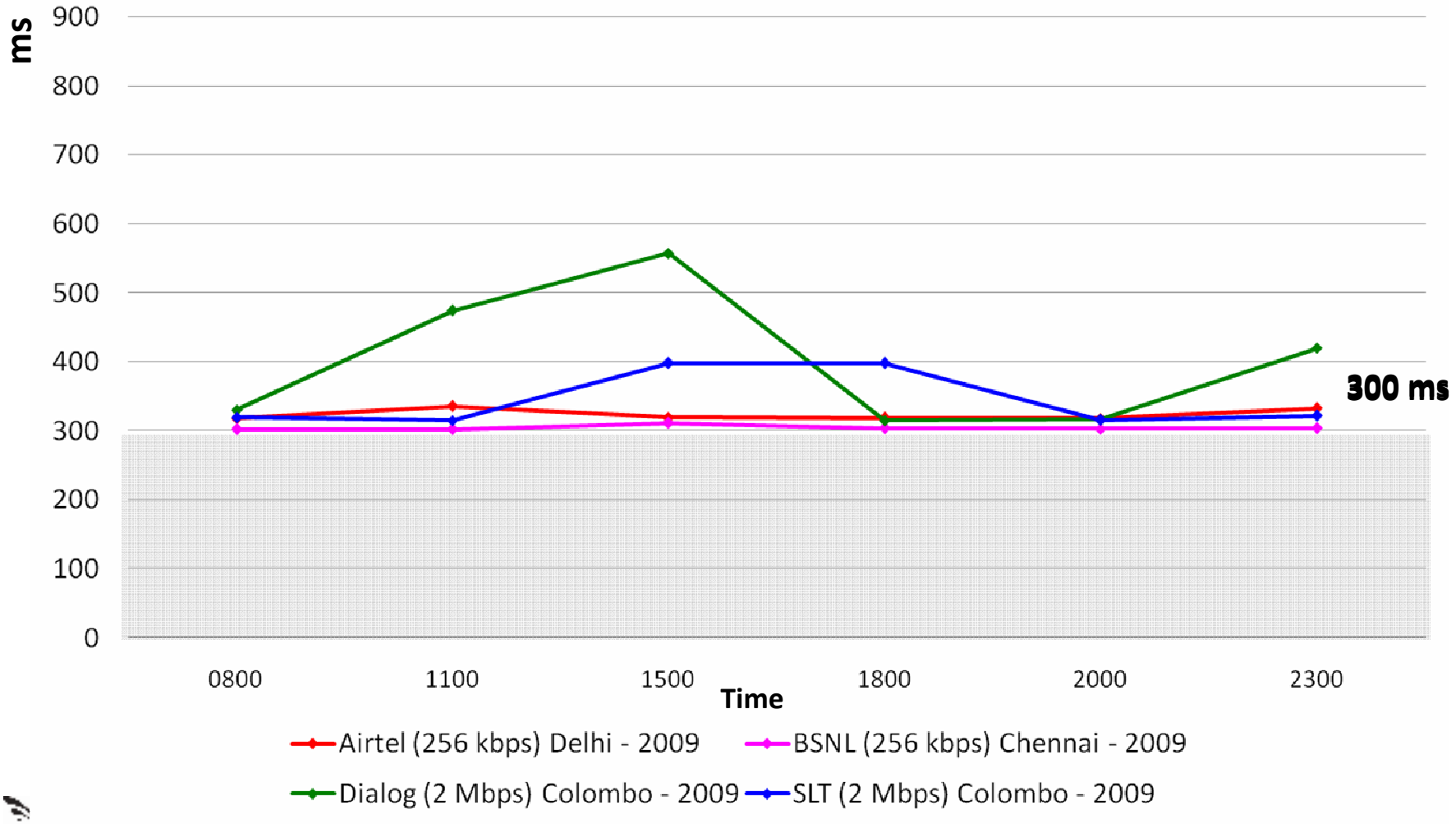
Sri Lanka: Good speeds but false advertising





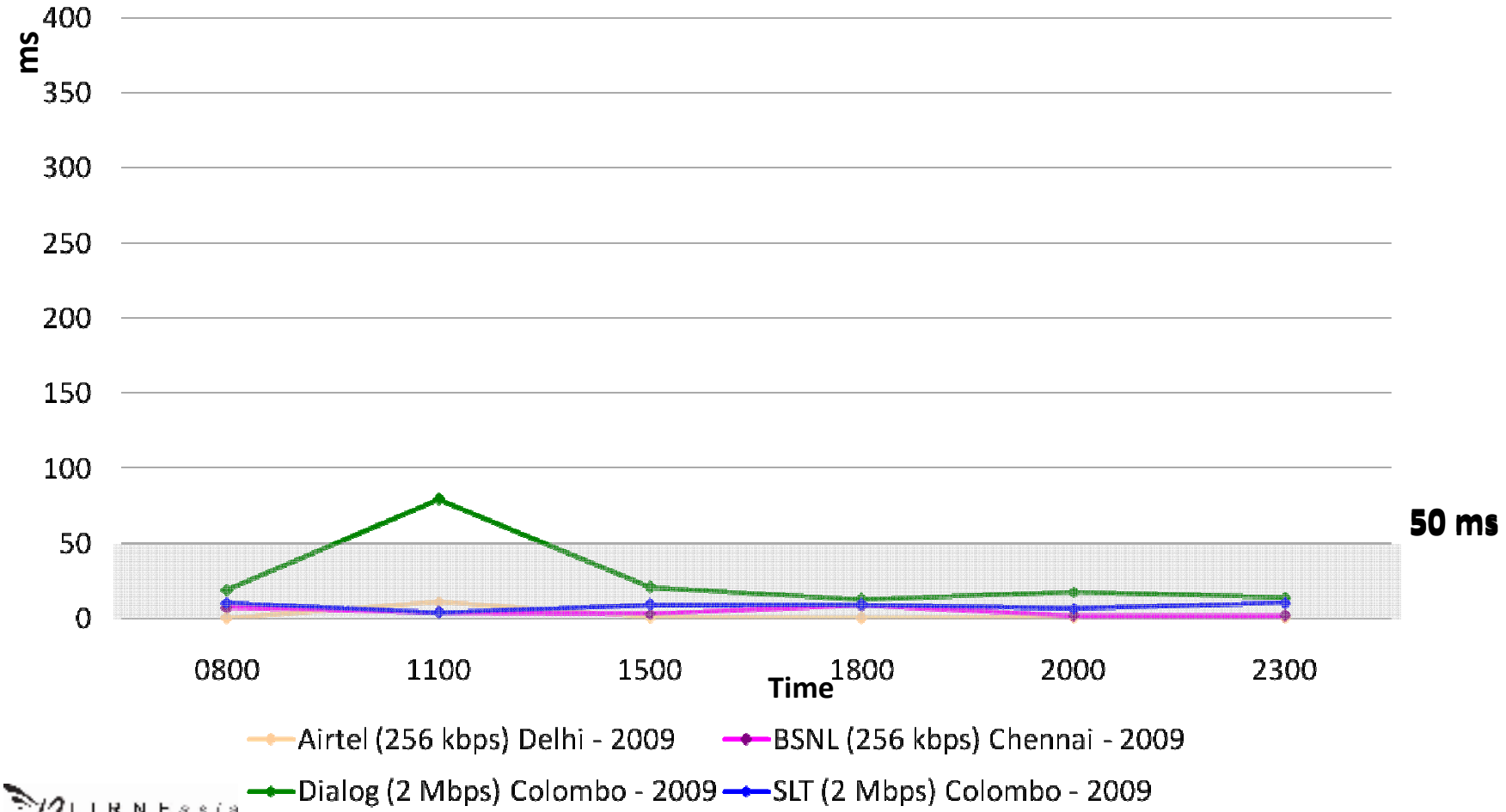
Return Trip Time to INT: Feb 2009

Yet to meet Singapore (IDA) standard



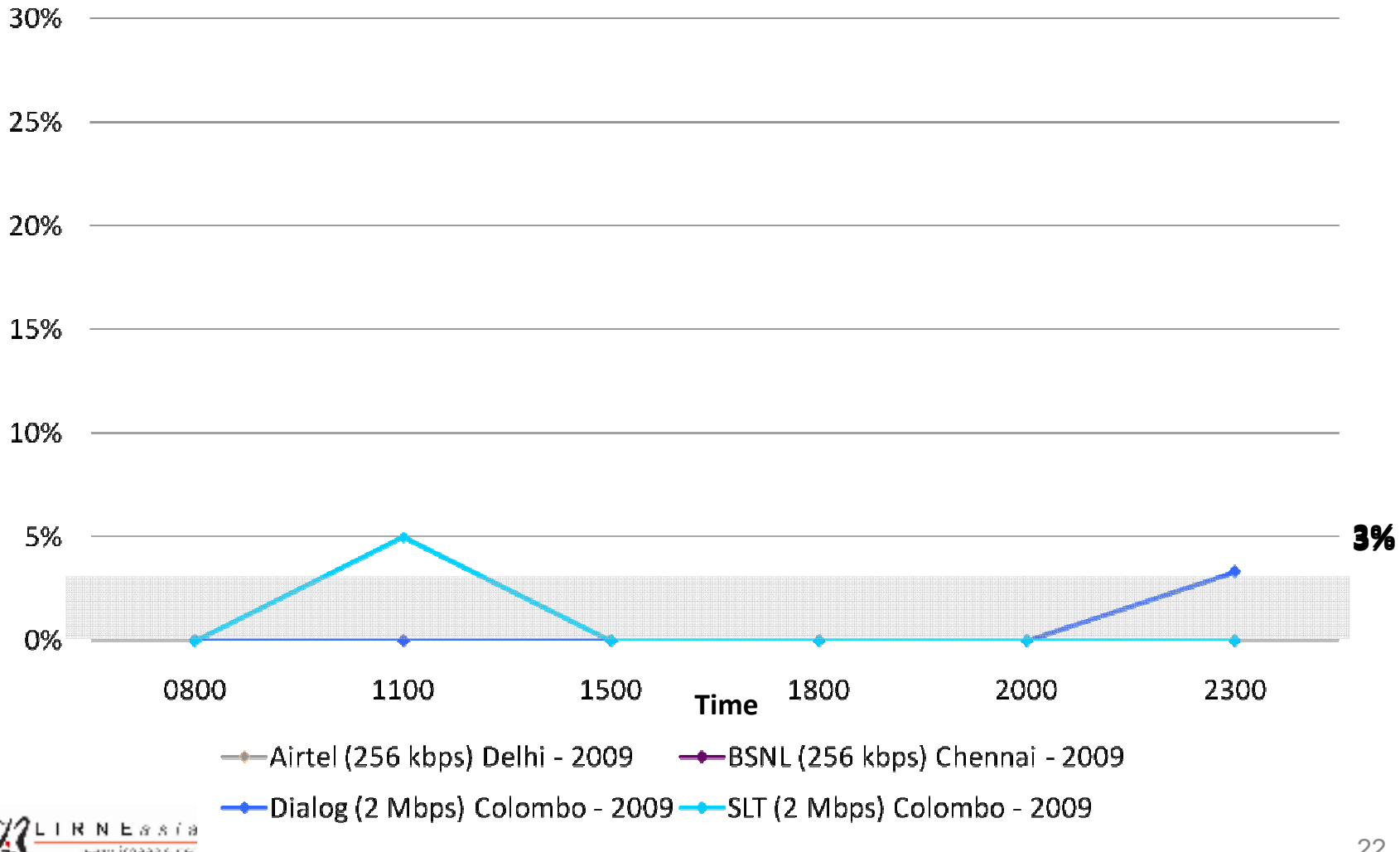
Jitter – pinged to INT: Feb 2009

Almost within acceptable levels



Packet Loss – pinged to INT: Feb 2009

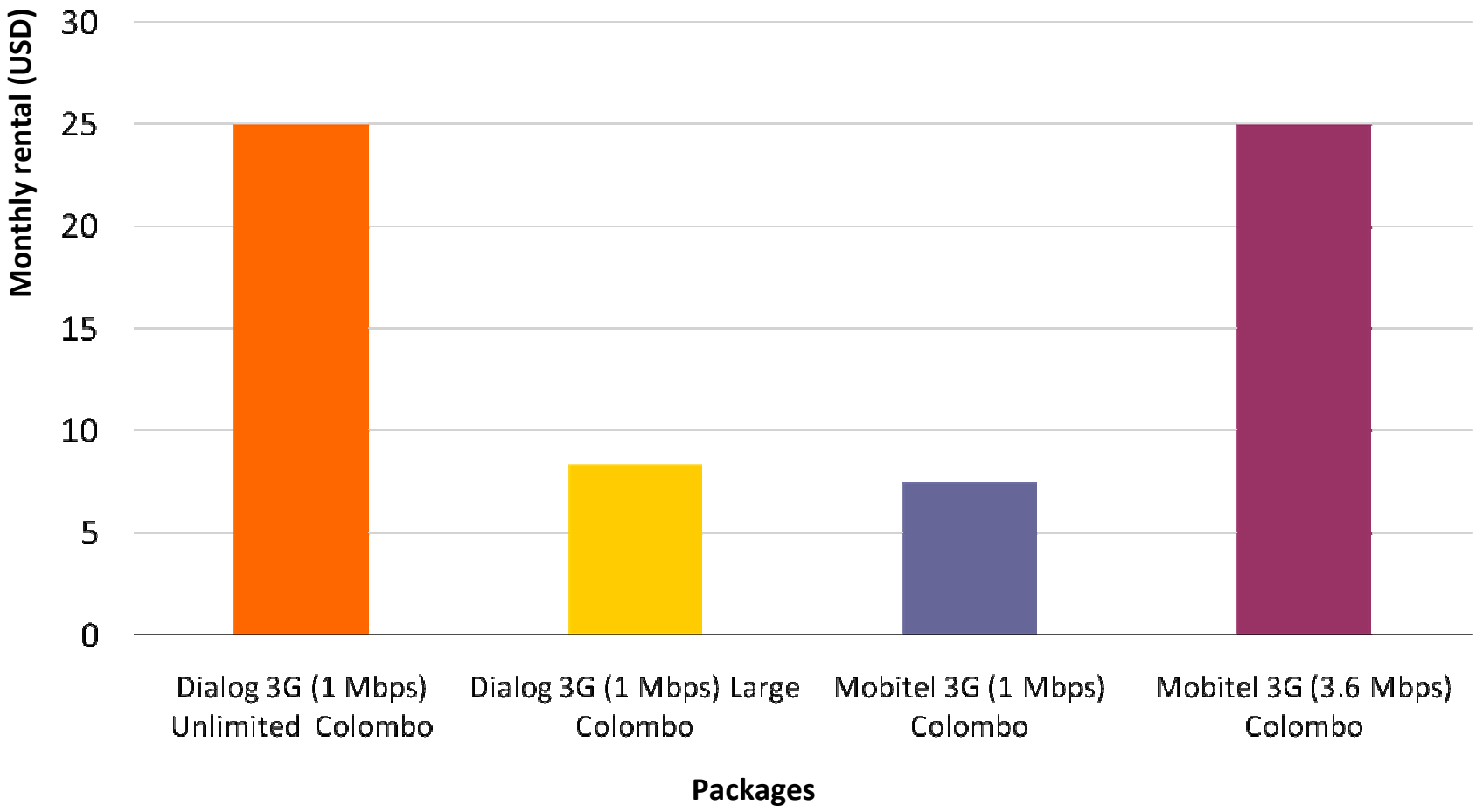
Almost within acceptable limits



Trends identified from QoSE testing

HSPA in Colombo

Prices*



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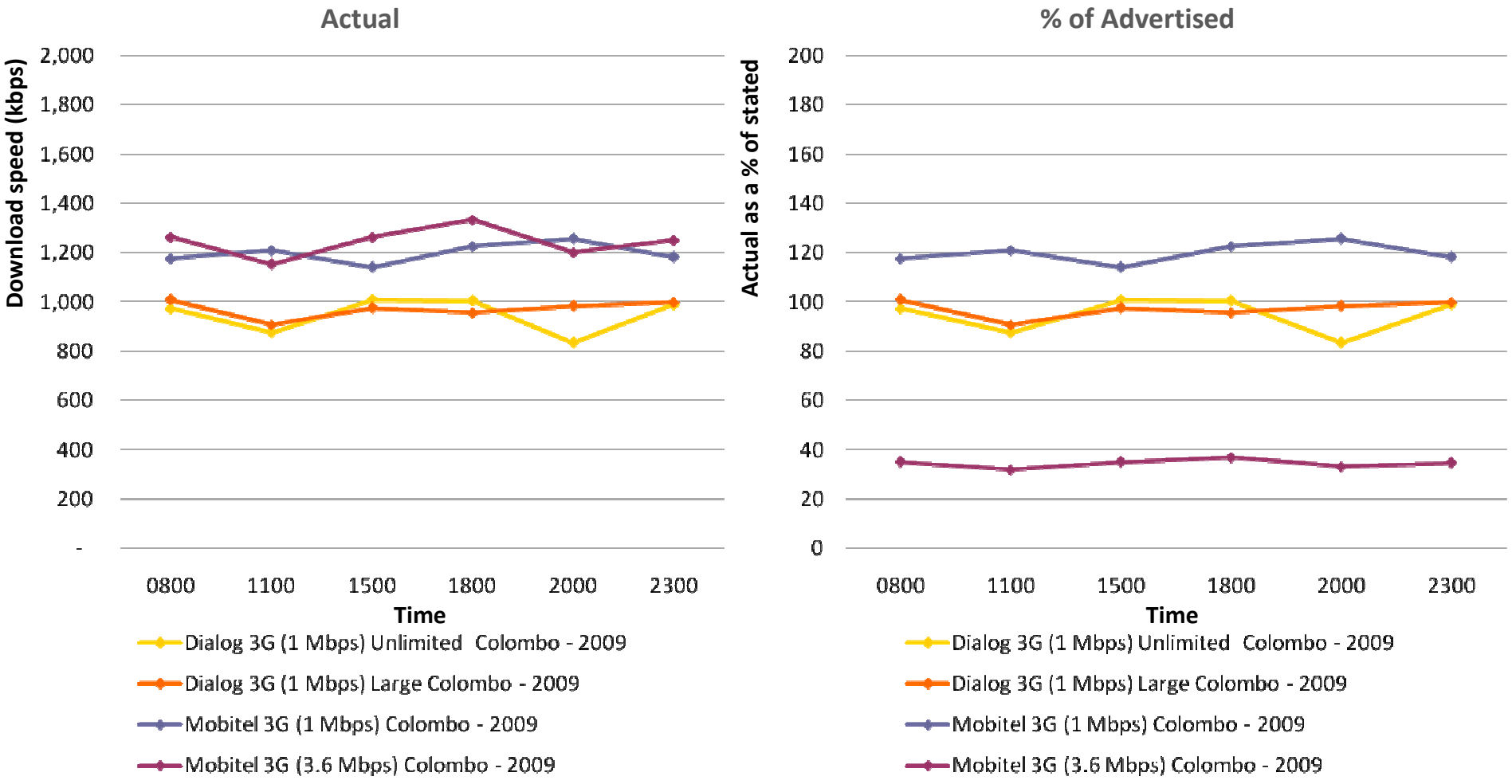
Download speed: Feb 2009

ISP



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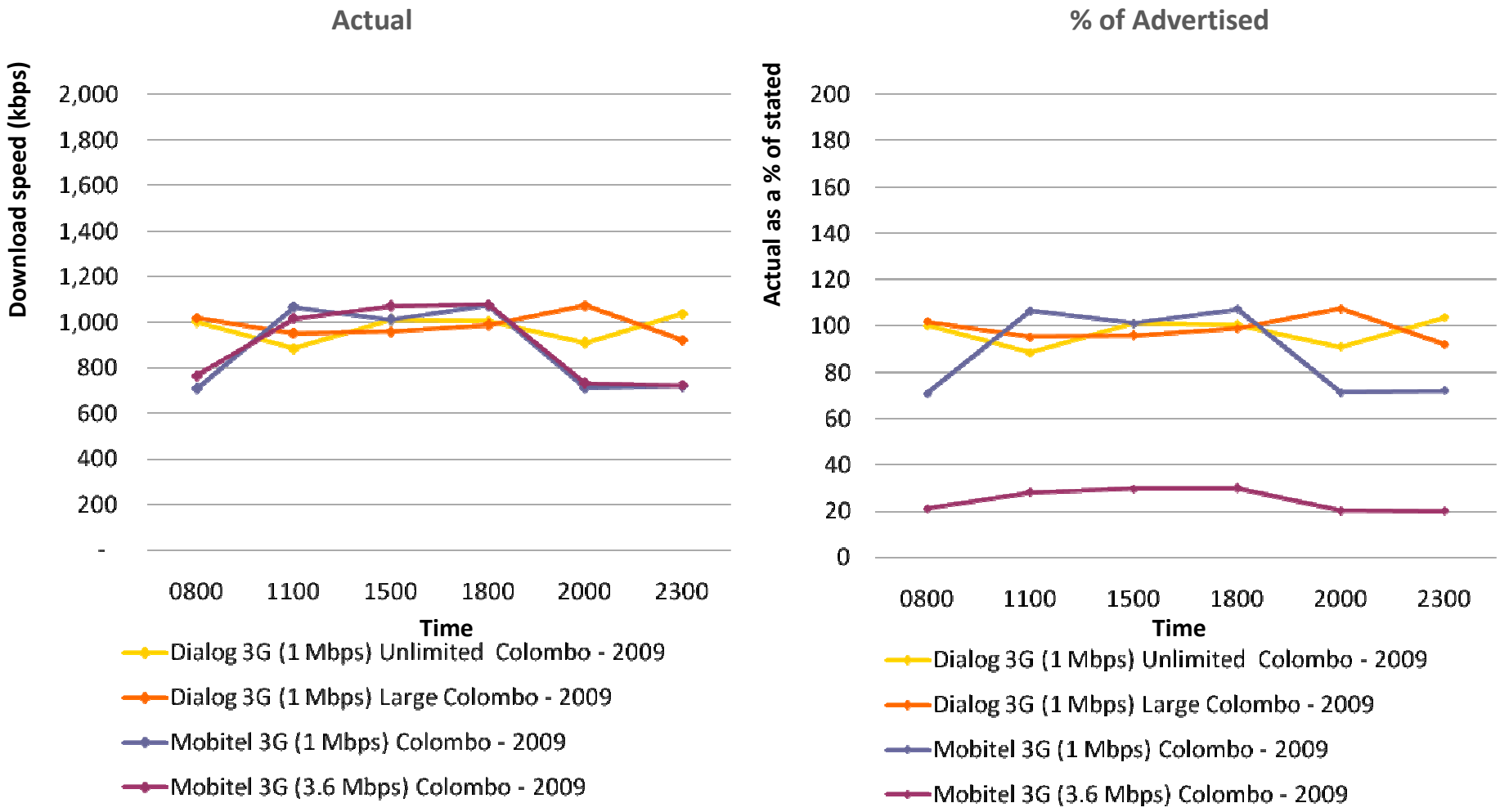
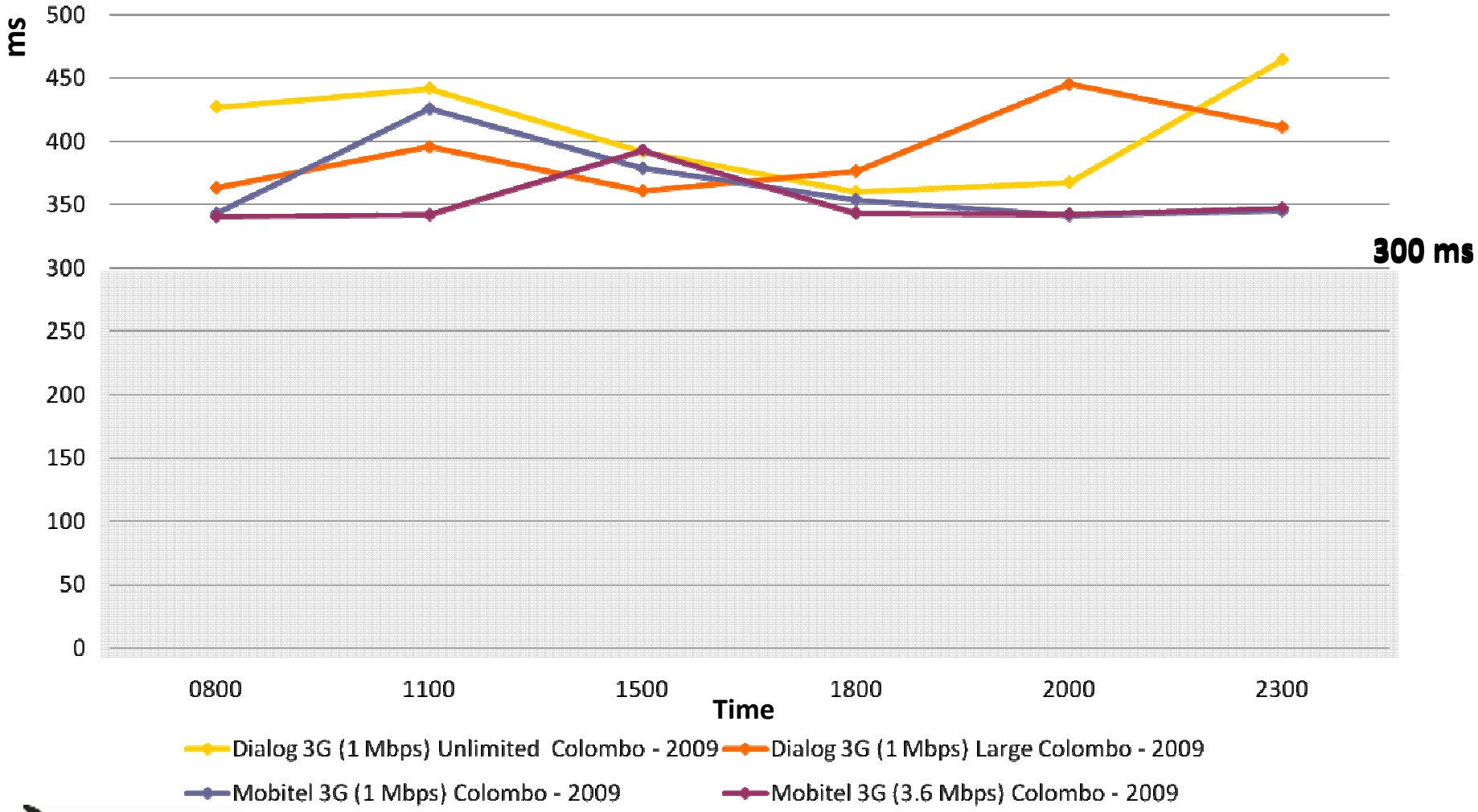
INT



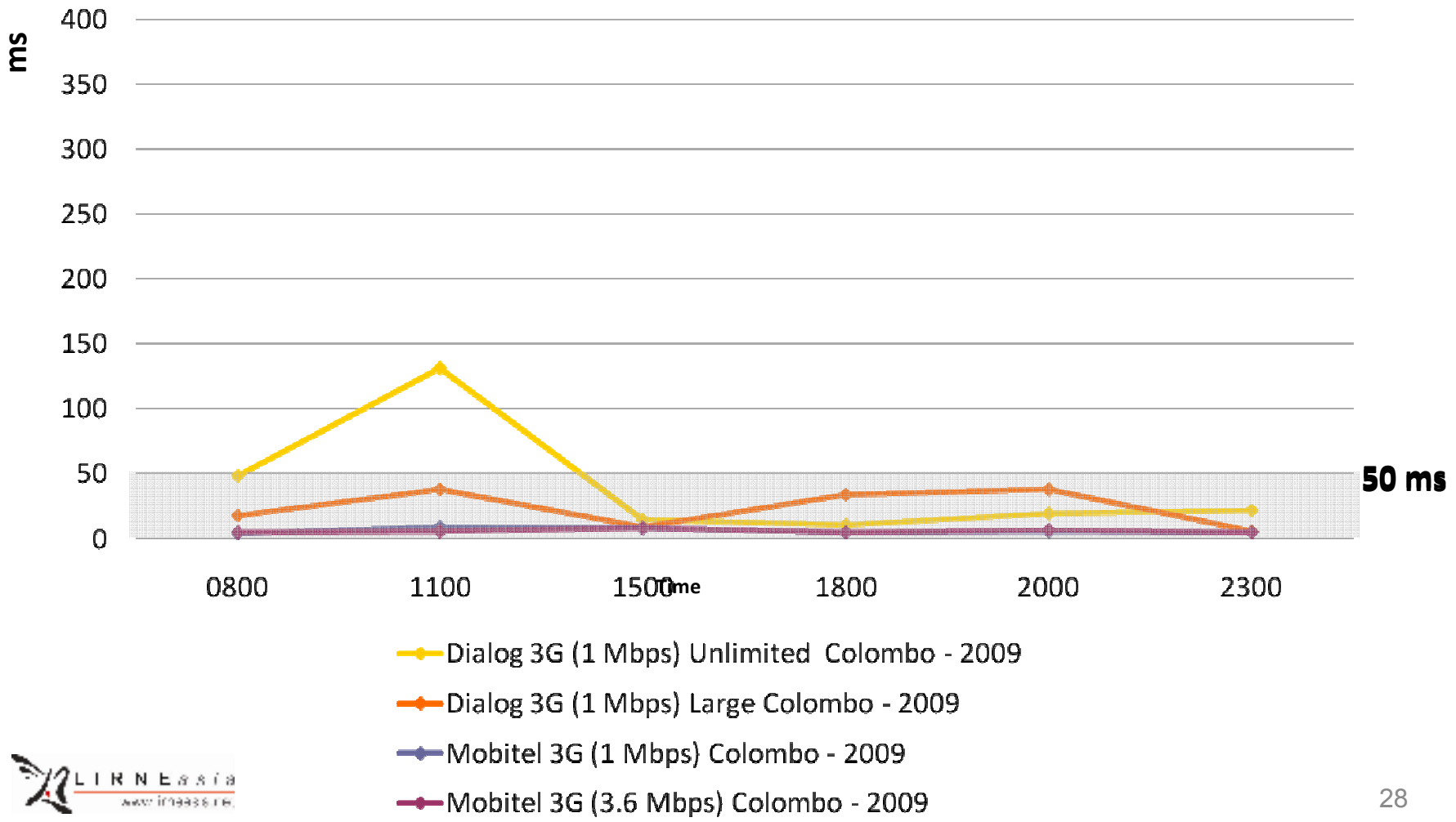
Return Trip Time to INT: Feb 2009

Yet to meet Singapore (IDA) standard



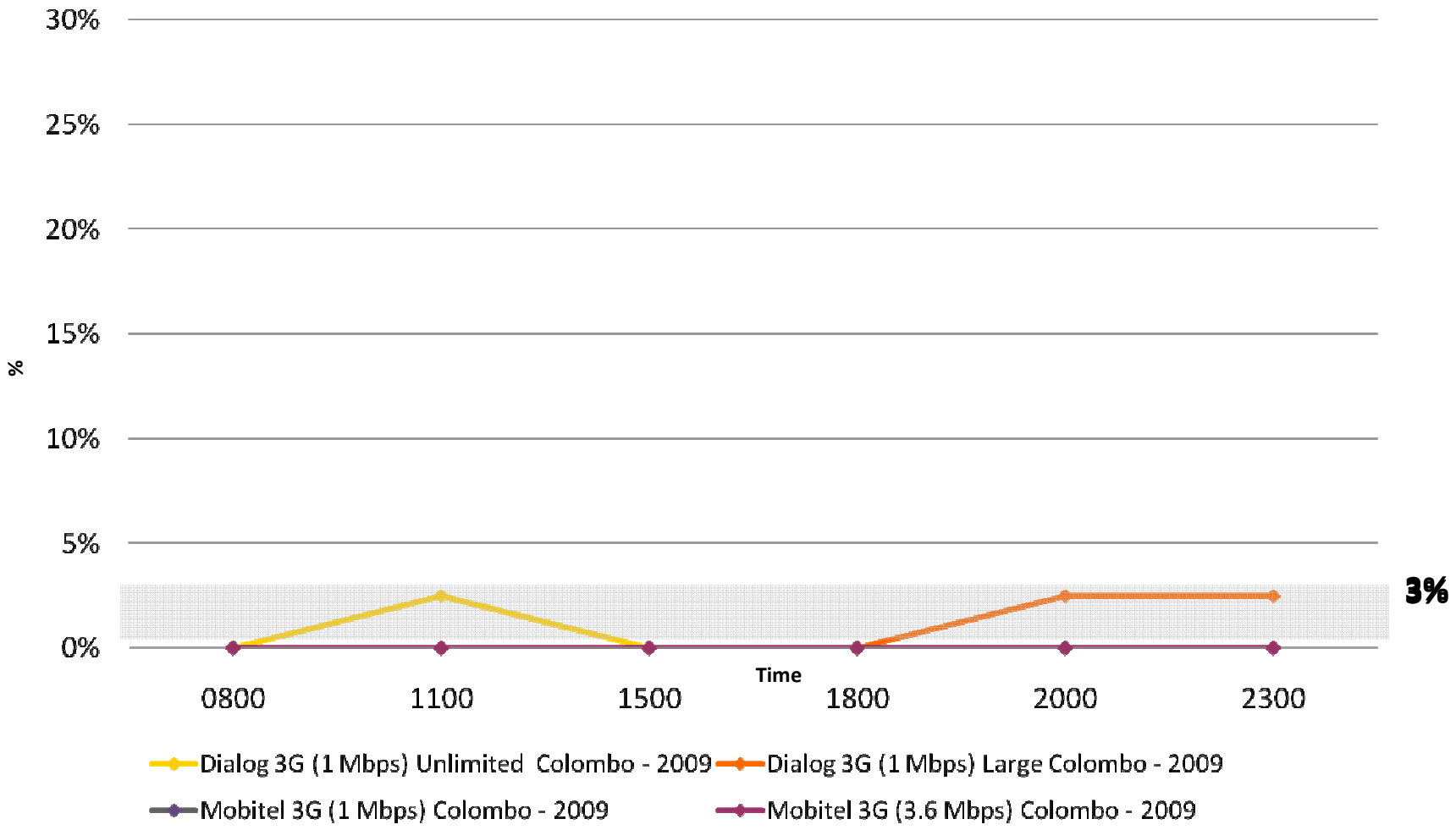
Jitter – pinged to INT: Feb 2009

Not too different from fixed



Packet Loss – pinged to INT: Feb 2009

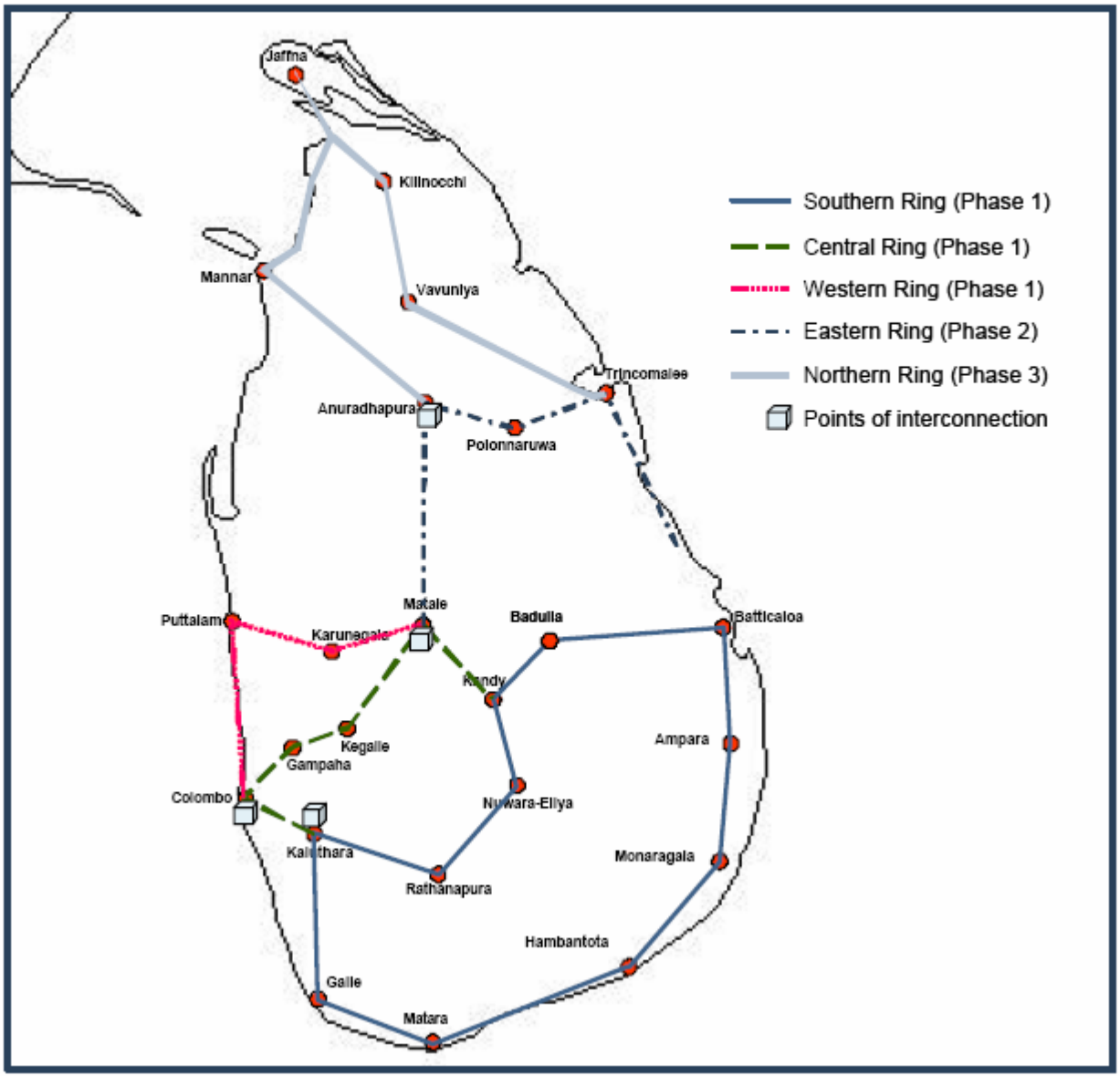
Not too different from fixed



Policy interventions based on the research

Sri Lanka: Response to the paper on ‘NATIONAL BACKBONE NETWORK’

Exhibit 8: Proposed Route for the National Backbone Network



Sri Lanka: Response to paper on
'NATIONAL BACKBONE NETWORK'

- A 'National' backbone will not solve all QoSE issues
- 2 Mbps is too low for a national backbone capacity
- Interconnection issues are crucial and must be addressed
- Instead of uniform capacity everywhere the NBN, should be designed to cater to specific demands to provinces

Bangladesh: Response to the paper on ‘BROADBAND WIRELESS ACCESS SERVICES’

- Operators should guarantee QoSE not within ISP only, but till first entry point to US
- Operators should publish contention ratios
- Assurance at launch is inadequate; QoSE should be regularly monitored
- “Broadband = 128 kbps +” definition should change

India: Response to the paper on
'ISP BANDWIDTH REQUIREMENTS'

- Suggested contention ratios 1:20 (business) and 1: 50 (residential) – Adopted 1:30 and 1:50 ✔
- Information on contention ratios should be made public ✔
- Broadband QoSE is not just speed; need a holistic view
- Operator obligation should be till first entry point to US

Thank You!

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chanuka@gmail.com