5th Annual i3Forum Conference
The Future is All IP

May 15, 2014
Chicago

IPX transport, .... what is it really?
IPX transport, Medicine, Automobiles…

These are all generic terms,

Generic terms are not enough to select what you really need and want.
Whitepaper on IPX Transport Service

Topics for the discussion:

1. Who are the users of IPX transport services
2. What are the different IPX transport use cases
3. What are the similarities and differences between use cases

Topics for discussion:
- Voice over IPX
- 2G-3G Signaling
- 2G-3G data roaming GRX
- 4G diameter Signaling
- 4G data roaming
- Other transport needs
1. Who are the users of IPX transport services

- Mobile operators 2G-3G
- Mobile operators 4G
- Fixed Operators
- Online Service Providers
Whitepaper on IPX Transport Service

Topics for the discussion:

1. What are the different IPX transport use cases

<table>
<thead>
<tr>
<th>GRX</th>
<th>IPX data roaming</th>
<th>IPX transit</th>
<th>Point-to-Point service such as “Leased Line”</th>
<th>Point-to-Multipoint service such as “IP VPN”</th>
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www.i3forum.org
Roaming versus other transport, examples

Roaming traffic between MNOs

Transit

Point to multipoint
## Whitepaper on IPX Transport Service

### Similarities and differences

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<th>QoS</th>
<th>Onnet with one IPX only</th>
<th>End-2-End across two IPXs (backbones only)</th>
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**Class of services**

- Best Effort only
- Different CoS
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<td>Private DNS for 2G-3G MNOs only</td>
<td>GRX DNS or 4G private DNS ??</td>
<td>ENUM and/or any DNS</td>
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**Whitepaper on IPX Transport Service**

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Market usage today for IPX data roaming

- MNOs are not yet using IPX full CoS capabilities
- New transport services can make better use of CoS
Conclusion

• IPX is only a generic word, industry should stop using IPX as a catch all words for different services.
• There is more than one IPX transport use case and business model
• Deferent IPX transport services are required to make use of IPX full capabilities and flexibility
Thank you.