IP and IPX migration working group

MAY 12TH, 2016
**Title:** Finalize the transition to IP/IPX  

**Definition:** Several Associate members are still in the transition and probably don’t take advantages of all the documents and info that i3Forum produced till now. They also may not have a clear picture of the world situation for IPX.

**i3 Forum’s role:** Support the transition in a more efficient way.

**Expertise requested:** Basic Knowledge of IP/IPX interconnexion, public relation, webmaster.

**Way of working:** Single short Conference Call or group of Carrier Regionals/Nationals meetings.

**People involved:** 3 Sterco member

**Target date:** 31/12/2015
Working Group

Scope

To get in touch with all official i3 Forum Carrier Members contact point and verify where they are in the transition, through a simple questionnaire.

After having a clear picture of the i3Forum Community evaluate at Interim Board level, which actions can be proposed to the single member in order to help them to go through the transition (if previously agreed with the single Member) or just take note where everybody is and finally have a world IPX Map (Termination IPX Compliant).

All this information then could be shared among members to reinforce the “i3Forum community sense”

Renew the style of the website and take into considerations all the existing media we can utilize to foster the Community (tweet, Instagram, LinkedIn, etc..)
Associate Carrier contribution

- 18 of the 55 Associate Carrier asked to participate with their representatives at the Working Group
- 36 participants are officially registered at the Working Group
- 6 Conference Call
- 1 Face to Face meeting gently hosted by Orange
- Strategic partnership with HOT TELECOM
SURVEY RESULTS
IP and IPX migration
Survey details

Objectives
- Take a snapshot of the migrating to IP/IPX
- Understand the strategy and the transition plans & timeline
- Acquire an understanding of the underlying drivers, the difficulties & concerns
- Understand how the i3forum has helped and what it should do to accelerate the transition

Structure
- Survey 1: i3forum support
- Survey 2: IP and IPX migration

Respondents
- Survey 1: 48 people
- Survey 2: 18 companies
Migration status
Status of migration to IP

Time frame migration of international voice wholesale carrier interconnects to IP

- **Already complete**: 6%
- **2016**: 11%
- **2017**: 17%
- **2018**: 17%
- **After 2018**: 50%
60% still have over half of their international interconnection using TDM
Status to migration to IPX

Ratio of service provider customers connected onto your IPX (by customer count)?

- Less than 25%: 50%
- Between 25-50%: 36%
- More than 75%: 14%
Status to migration to IPX

How much of your voice traffic is transported over your IPX platform?

- Between 1% and 25%: 71% (Including break-out: 86%)
- Between 25% and 50%: 14% (Including break-out: 14%)
- Between 50% and 99%: 7%
- 100%: 7%
Status to migration to IPX

Estimated end-to-end VoIPX traffic growth

- Between 2012 and 2013: 17%
- Between 2013 and 2014: 32%
- Between 2014 and 2015: 34%
Migration issues
Ease of migration to IP

Main obstacles to the migration to IP

- No interest from customer: 63%
- Complexity of migration: 50%
- Reluctance to decommission TDM network: 44%
- Concerns with quality and security: 31%
- No clear business case: 19%
- Limited skill sets internally: 13%
- Unclear product definition - Lack of understanding: 6%
- Current market uncertainty: 6%

No interest from customer is the main obstacle with 63% of respondents citing it as a concern.
Ease of migration to IPX

Main obstacles to launching IPX services

- Concerns with quality and security: 8%
- Current situation uncertainty: 15%
- Reluctance to decommission TDM network: 15%
- Limited skill sets internally: 31%
- Complexity of migration: 31%
- Unclear product definition: 39%
- No interest from customer: 39%
- No clear business case: 46%
86% said that the main driver for their company’s migration to IPX was strategic.
i3forum support
IPX definition

i3forum IPX definition rating - High

- Correctness of the definition: 78%
- Usefulness of the definition: 74%
- Clarity of the definition: 63%

70% said that they did not think there was an official industry definition of IPX
Support required from the i3forum to accelerate the transition to IP and IPX

- **i3forum IPX certification**: 43% Useful, 27% Very useful
- **i3forum led conferences and events**: 47% Useful, 23% Very useful
- **Worshops**: 41% Useful, 21% Very useful
- **Roundtables**: 48% Useful, 10% Very useful
70% said that they thought it would be useful to have a body providing IPX certification
i3forum activity support

Useful information to accelerate the transition to IP and IPX

<table>
<thead>
<tr>
<th>Category</th>
<th>Very useful</th>
<th>Useful</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry statistics on IPX</td>
<td>30%</td>
<td>50%</td>
</tr>
<tr>
<td>White papers</td>
<td>31%</td>
<td>52%</td>
</tr>
<tr>
<td>Business cases drivers</td>
<td>33%</td>
<td>43%</td>
</tr>
<tr>
<td>More recommendations and templates</td>
<td>40%</td>
<td>40%</td>
</tr>
<tr>
<td>Market information on IP and IPX evolution</td>
<td>41%</td>
<td>52%</td>
</tr>
</tbody>
</table>
Key takeaways

- The IP and IPX migration is ongoing
- The IPX migration is far from being completed
- The main obstacles is the lack of customer interest and business case
- There is a clear desire for an IPX certification
- The members want the i3forum to play a growing support role in the migration process
THANK YOU!