**15 March 2024**

**Minutes from TIF 112 Discussion**

**Conference Call**

**Hosted by CNA**

**Conference Bridge:** Ed Antecol - COMsolve Inc.

David Comrie - COMsolve Inc. (CNA)

Fiona Clegg - COMsolve Inc. (CNA)

Kelly T. Walsh - COMsolve Inc. (CNA)

Francis Fernandes - Bell Mobility

Jake Hwang - Bell Mobility

Marie-Christine Hudon - Bell Canada

Sivagnanasundaram Mohanraj - Bell Mobility

Bill Barsley - CNAC

Glenn Pilley - CNAC

Alexander Pittman - CRTC staff

Étienne Robelin - CRTC staff

Gill Imran - CRTC staff

Sebastian Garsuault - CRTC staff

Vish Iyer - CRTC staff

Muhammad Uppal - Freedom Mobile

Gerry Thompson - Interested Party

Tara Farquhar - NANPA

Greg Kinloch - NorthWestel

Arturo Arreaga - Rogers

Garey Schlecter - SaskTel

Graham LeGeyt - Shaw

Richard Shockey - SIP Forum

Robert Olenick - Tbaytel

John MacKenzie - TELUS

Martin Laroche - TELUS

Olena Bilozerska - TELUS

Marc Berruyer - Videotron

**Welcome:**

Kelly Walsh, as Chair of the CSCN, welcomed the attendees.

David Comrie, as CSCN Secretary, reviewed the list of participants.

**Action Items**

1. David Comrie will update the table of contents to include 3.7.1 Option 7A. **(Completed)**
2. David Comrie will remove PEI from the list of terms and add GPSI based on footnote 24 **(Completed)**
3. David Comrie will check if 555 has been made available for assignment in the US. **(Completed)**
4. David Comrie will post CNRE138A on the CNA website and notify the CSCN. The report will be posted for comment for 10 business days. If there are no substantive changes, it will be considered final and sent to the CISC for consideration. **(Completed)**
5. Gerry Thompson will forward the notification of the report posting to the Chair of the NTWG. **(Completed)**

**Discussion**

Kelly Walsh noted that CNRE138B was posted on 1 March 2024 and participants have had 14 days to review the draft report. Assuming the report is approved at today’s meeting, it will be posted for 10 business days and, if there are no substantive comments, it will be considered final and sent to the CISC for consideration.

Kelly Walsh noted that this report was previously posted but there was a contentious item identified so CNRE138B became an interim report while the group continues to work on a follow-up report.

Gerry Thompson presented CNRE138B.



Draft of CNRE138B (incl. in-meeting changes)

Gerry Thompson noted that the contentious item was about whether NPAs 677 and 688 should be extended to 1+12 digits or 1+14 digits.

Agreement was reached to accept CNRE138B as modified during today’s meeting.

Action Item: David Comrie will post CNRE138B for comment for 10 business days. If there are no substantive changes by 1pm ET on 2 April 2024, the report will be considered final and CNRE138B will be sent to the CISC for consideration.

Kelly Walsh introduced Richard Shockey to the group. Richard is the co-chair of the FCC/NANC IoT working group and the chair of the board of directors of the SIP Forum.

Richard Shockey presented:

Paraphrased:

Disclaimer: The views I’m going to present are strictly personal and do not represent the official view of the NANC or the NANC IoT working group that I co-chair.

The US is looking at the issues of static vs nomadic IoT devices (e-meters as static vs cars as nomadic). The US is also struggling with telephony vs data-only applications.

It’s estimated that 250,000,000 NANP numbers are being used in the US for IoT uses right now (both static and nomadic).

Conservation, reclamation and reporting are some of the biggest concerns.

If a service provider requests a block of numbers, they should actually explain what they plan to do with it regarding the 3 concerns of conservation, reclamation and reporting.

The general consensus in the US seems to be leaning towards 1+14 for some 5XX numbers. Another consideration is to make a request to get NPA 666 since it will not be issued for telephony purposes anywhere in North America. They have also looked at the D-digit option.

They have also looked at national number portability which would require 10-digit dialing across the US and then unlocking the D-digit could be implemented but that was opposed by the states that still have 7-digit dialing.

One option that has been considered is going to the ITU and requesting a new country code to be used exclusively for IoT. There are 83 3-digit country codes that are still in inventory.

In France, they are pre-pending their numbers as opposed to appending the dial string but since North American numbers don’t tell you anything about the number, it wouldn’t work in the same way.

What is the economic impact on the OSSs and BSSs? We don’t know. It probably would not be pleasant.

I was involved with Neustar on number portability and it was very expensive and took about 10 years to complete.

The IoT working group is expected to report by mid-May for the June NANC meeting.

Gerry Thompson noted that one of the issues that complicated things was the consideration for NANPE? Do we just go 14-digits or do we try to harmonize with NANPE and go 1+12.

Richard Shockey noted that his belief is that NANPE is unlikely to happen and is more likely to go with D-digit unlocking before NANPE. The logical end is that it will probably become 1+14. Further expansion of the NANP is really about national number portability. Part of the reason is because some of the smaller wireless carriers are upset since with national roaming you can’t port out of your NPA if you’re moving. You have to get a new carrier. Rather than do 1+12 digits, they would rather increase the size of the existing NANP by 20%.

Gerry Thompson noted that when the group was looking at 1+12, it was looking at dovetailing it with NANPE or to go with 1+14 as they are doing in Europe.

Richard Shockey noted that there are already huge issues for the most recent state that went from 7- to 10-digit dialling.

Richard Shockey noted that he believed that they should have unlocked the D-digit when 9-8-8 was implemented nationwide in the US. He would not recommend Canada does any planning based on 1+12 digit dialing.

Kelly Walsh thanked everyone for participating.

**Summary of Agreements Reached**

Agreement was reached to accept CNRE138B as modified during today’s meeting.

**Summary of Action Items**

David Comrie will post CNRE138B for comment for 10 business days. If there are no substantive changes by 1pm ET on 2 April 2024, the report will be considered final and CNRE138B will be sent to the CISC for consideration.

**Attachments (inserted in the document during the relevant discussion)**

Draft of CNRE138B (incl. in-meeting changes)