**IPNNI- 2014-00xxx**

**Contribution**

**TITLE:** IP Interconnection Routing Report: Appendix A update

**SOURCE\*:** Sprint (David Holmes)

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**ABSTRACT**

This document provides a Word document version of Appendix A that was added to revision 7 of contribution 83. It also provides some additional clarification & ordering of the criteria, for ease of review & application. Specific text changes are highlighted in yellow for ease of review only.

**NOTICE**

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# Appendix A - Comparative Characteristics Matrix

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Section Reference** | **Criteria Group** | **Criterion** | **[Ed. Note; remove]**  **Line reference from original table image** | **Information type** |
| 1 |  | Performance | **Scalability** | 23 | List issues & quantify |
| 2 |  |  | Reliability | 23 | List issues & quantify |
| 3 |  |  | Call setup time | 19 | Value range & conditions |
| 4 |  |  | Impact on signaling traffic | 20 | Quantify |
| 5 |  | Service requirements | [Ability to] specify interconnection information with finer granularity than at the service provider level | 1 | Yes/No |
| 6 |  |  | [Ability to] specify different interconnection attributes for different groupings of a service providers’ numbers | 1 | Yes/No |
| 7 |  |  | Provides a mechanism for aggregation of routing information above the individual number level. | 2 | Yes/No |
| 8 |  |  | Provides a mechanism to get some insight into the service capabilities of destinations before routing a call. | 3 | Yes/No |
| 9 |  |  | Supports the ability to provide GETS. | 4 | Yes/No |
| 10 |  |  | Provide a mechanism for interconnecting carriers to identify different interconnection points (for a given group of TNs) depending on the originating carrier. | 5 | Yes/No |
| 11 |  |  | Enables the service provider connecting to the terminating provider to select the interconnect point, consistent with the preferences identified by the terminating carrier. | 6 | Yes/No |
| 12 |  |  | Provides the ability to exchange routing data between carriers in bulk. | 7 | Yes/No |
| 13 |  |  | Provides the ability to query a locally cached copy within each carrier, rather than always having to query the terminating carrier. | 8 | Yes/No |
| 14 |  |  | Provides a clear path to a global solution | 11 | Yes/No |
| 15 |  |  | Provides a good solution for the end-state all-IP network | 12 | Yes/No or degree? |
| 16 |  |  | Maintains backwards compatibility to (or interworking) during the transition to an all-IP network | 12 | Yes/No |
| 17 |  |  | Ability to support non-E.164 public user identities | 13 | Yes/No |
| 18 |  |  | [Solution must be] synchronized to number portability [solutions?] | 25 | Yes/No |
| 19 |  |  | Solution is not tied to historical geography of numbering plan | 26 | Yes/No |
| 20 |  |  | Support for open internet routing | 24 | Yes/No |
| 21 |  | Solution complexity | Time to implement – common infrastructure | 15 | Quantify |
| 22 |  |  | Impact on [core?] network elements? | 22 | Enumerate & quantify |
| 23 |  |  | Impact on existing service provider systems | 17 | Enumerate & quantify |
| 24 |  |  | What external bodies are required to modify existing arrangements, systems, etc.? | 10 | Enumerate |
| 25 |  |  | Impact on existing industry systems | 16 | Quantify |
| 26 |  |  | Level of dependence on “CO codes”, even during the transition? | 9 | Quantify |
| 27 |  |  | Needs for additional industry systems & interfaces? | 18 | Quantify |
| 28 |  | Security | Increase in vulnerability | 21 | Quantify |
| 29 |  |  | Support for secure tunnels | 24 | Yes/No |