

Network Working Group
Request for Comments: 3131
Category: Informational

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June 2001

3GPP2-IETF Standardization Collaboration

Status of this Memo

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Abstract

This document describes the standardization collaboration between 3GPP2 and IETF.

1. Conventions used in this document

This document uses significant terminology that is specialized to IETF, 3GPP2, or their areas of work. See appendix A for definitions of acronyms. The organizational definitions can be found in their respective web-sites.

2. Introduction

This document contains a set of principles and guidelines that serves as the basis for establishing the collaboration between 3GPP2 and IETF, with the objective of securing timely development of technical specification that facilitate maximum interoperability with existing (fixed and mobile) Internet systems, devices, and protocols.

Each organization will operate according to their own rules and procedures including rules governing IPR policy, specification elaboration, approval and maintenance.

3. Reasons For Collaboration

3.1 3GPP2 use of IETF Internet Standards

In the further development of 3GPP2 specifications, the benefit of adopting Internet specifications has been identified.

The preferred 3GPP2 approach is to use the Internet standards unchanged, if feasible. In any case, 3GPP2 has no intention to duplicate work performed in IETF.

However, while this document recognizes the importance of 3GPP2 interoperability with the existing Internet and hence the use of IETF standards, 3GPP2 recognizes that additions or modifications might be needed in order to make the IETF internet specification fulfill the needs of 3GPP2. In such cases, 3GPP2 will take its concerns directly to the appropriate IETF working groups for resolution, or to an appropriate Area Director if no appropriate working group can be found.

3.2 IETF access to 3GPP2 Wireless expertise

The technical work in 3GPP2 is organized in Technical Specification Groups TSGs each with their area of responsibilities. TSG-A and TSG-C are responsible for the Radio Access networks based on CDMA and thus the experts in the areas of the characteristics of the physical transport. TSG-N is responsible for the Mobility Management and other core network protocol and functionalities. TSG-P is responsible for data services and applications. TSG-S is responsible for the service and system aspects including the overall architecture, security and O&M aspects. Contacts for the TSGs can be found on the 3GPP2 web-site www.3gpp2.org.

4. Document Sharing

Both 3GPP2 and IETF encourage the sharing of draft documents that are of mutual interest.

3GPP2 working documents are available on its official web-site, and are grouped according to the meeting. These documents can be found on the 3GPP2 ftp server, which is open to anyone, at <ftp://ftp.3gpp2.org>. 3GPP2 specifications, those that have completed the 15-day Steering Committee review, can be found at:

http://www.3gpp2.org/Public_html/Specs/index.cfm

IETF documents, including preliminary working documents ("Internet Drafts") are available on its web-site (<http://www.ietf.org/>) and various shadow sites.

IETF representatives can obtain information about the 3GPP2 document and web-site structures by contacting the relevant 3GPP2 contact points indicated at the 3GPP2 web-site (www.3gpp2.org).

3GPP2 representatives can obtain information about the IETF document and web-site structures by contacting the relevant IETF contact points, which are the Area Directors indicated at the IETF web-site (www.ietf.org).

5. Communication

Whenever possible, informal communication at working level is encouraged.

The vast majority of the technical discussions and decision making at IETF is done over mailing lists. It is recommended that interested individuals subscribe to and participate in these lists.

3GPP2 mailing lists, however, are not open to the general public. It is recommended that work of mutual interest be discussed on the relevant IETF mailing lists.

When deemed necessary, formal communication between 3GPP2 and IETF is also permitted. Relevant IETF Area Directors and 3GPP2 technical leadership are encouraged and authorized to facilitate such communications when needed.

6. Rapporteurs/coordinators

6.1 IETF coordination support in 3GPP2

An IETF rapporteur function is established in 3GPP2 Steering Committee.

The individual(s) appointed to undertake the responsibility of this function should be the initial contact point in 3GPP2 for matters pertaining to the 3GPP2-IETF cooperation. Of course, the chairman of Steering Committee can always be contacted.

The 3GPP2-IETF rapporteur function, therefore, is expected to work with the concerned working groups and TSGs and support the interaction between 3GPP2 and IETF.

6.2 3GPP2 Liaison in IETF

The preferred way for organizations to work with IETF is through the working groups. However, IETF has a limited number of liaison relationships with other organizations when conditions warrant the appointment of a specific person.

The appointment of a specific person in IESG to function as a "3GPP2 liaison" is proposed.

The role of the 3GPP2 Liaison is to act as an initial contact point in IETF for administrative aspects of this collaboration that cannot easily be handled in other ways (e.g., at a technical level by interactions with IETF Working Groups or Area Directors). It is agreed that the role does not carry the expectation of attendance at 3GPP2 meetings or participation in 3GPP2 administrative processes and anticipated that all liaison efforts assigned to this individual will be carried out by electronic mail. It is understood that the liaison will not have the ability to make exceptions to, or special provisions for, IETF policies and procedures.

7. Participation

In order to assist the information flow between the organizations, IETF can on a per case basis appoint an observer to participate and represent IETF at 3GPP2 technical meetings.

IETF meetings are open to any interested individuals.

3GPP2 partners (OPs, MRPs) or individual members can participate in any of the IETF meetings, in accordance with the existing IETF procedures.

3GPP2 meetings are also open to any interested individual, however such individuals do not have voting privileges. The meeting schedule can be found on the 3GPP2 web site.

8. Security Considerations

This type of non-protocol document does not directly affect the security of the Internet.

9. Acknowledgement

This memo took guidance from and borrowed text from RFC 3113.[4]

10. References

- [1] Bradner, S., "The Internet Standards Process -- Revision 3", BCP 9, RFC 2026, October 1996.
- [2] Postel, J. and J. Reynolds, "Instructions to RFC Authors", RFC 2223, October 1997.
- [3] Bradner, S., "IETF Working Group Guidelines and Procedures", BCP 25, RFC 2418, September 1998.
- [4] Rosenbrock, K., Sanmugam, R., Bradner, S. and J. Klensin, "3GPP-IETF Standardization Collaboration", RFC 3113, June 2001.

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Appendix A: Acronyms

Glossary Of Acronyms:

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| 3GPP2 | Third Generation Partnership Project 2 |
| BCP | Best Current Practice |
| CDMA | Code Division Multiple Access |
| IAB | Internet Architecture Board |
| IESG | Internet Engineering Steering Group |
| IETF | Internet Engineering Task Force |
| IPR | Intellectual Property rights |
| OP | Organizational Partner |
| O&M | Operation and Maintenance |
| RFC | Request for Comments |
| SC | 3GPP2 Steering Committee |
| TSG | Technical Specification Group |
| TSG-A | TSG A-Interface System |
| TSG-C | TSG CDMA2000 Air Interface |
| TSG-P | TSG Wireless Packet Data Interworking |
| TSG-N | TSG ANSI-41/WIN |
| TSG-S | TSG Service And System Aspects |
| WWW | World Wide Web |

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Acknowledgement

Funding for the RFC Editor function is currently provided by the Internet Society.

