

Network Working Group  
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3GPP-IETF Standardization Collaboration  
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## 1. Abstract

This document describes the standardization collaboration between 3GPP and IETF. It proposes a 'set of guidelines and principles' to establish a close cooperation and foster communication between the two organizations.

The document will be disseminated to all the relevant organizations to encourage the establishment and maintenance of this collaboration.

Discussions and suggestions for continuous improvement to this collaboration are welcome and should be sent to the mailing list [XXXXX@XXX](mailto:XXXXX@XXX) (Place holder for the 3GPP mailing list to be created for the collaboration).

## 2. Conventions used in this document

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

## 3. Introduction

This document contains a set of principles and guidelines that serves as the basis for establishing the collaboration between 3GPP 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.

## 4. Reasons For Collaboration

### 4.1 3GPP use of IETF Internet Standards

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

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

However, while this document recognizes the importance of 3GPP interoperability with the existing Internet and hence the use of IETF standards, 3GPP recognizes that additions or modifications might be needed in order to make the IETF internet specification fulfil the needs of 3GPP.

### 4.2 IETF access to 3GPP Wireless expertise

The technical work in 3GPP is organized in Technical Specification Groups TSGs each with their area of responsibilities. TSG-RAN and TSG-GERAN are responsible for the Radio Access networks based on UTRAN and GERAN and thus the experts in the areas of the characteristics of the physical transport. TSG CN is responsible for the Mobility Management and other core network protocol and functionalities. TSG-T is responsible for Terminal aspects and applications. TSG-SA 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 3GPP web-site [www.3gpp.org](http://www.3gpp.org).

## 5. Document Sharing

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

3GPP documents are available on its official web-site (<http://WWW.3GPP.ORG/>) and is open to anyone. 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 3GPP document and web-site structures by contacting the relevant 3GPP contact points indicated at the 3GPP web-site [www.3gpp.org](http://www.3gpp.org).

3GPP representatives can obtain information about the IETF document and web-site structures by contacting the relevant IETF contact points - the Area Directors indicated at the IETF web-site [www.ietf.org](http://www.ietf.org) .

## 6. Communication

Whenever possible, informal communication at working level is encouraged.

The vast majority of the technical discussions and decision making in both IETF and 3GPP is done over mailing lists. Both 3GPP and IETF web sites contain information concerning the associated mailing lists.

It is recommended that interested individuals subscribe to and participate in these lists.

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

## 7. Rapporteurs/coordinators

### 7.1 IETF coordination support in 3GPP

An IETF rapporteur function is established in 3GPP TSG-SA.

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

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

## 7.2 3GPP 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 "3GPP liaison" is proposed.

The role of the 3GPP 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 3GPP meetings or participation in 3GPP 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.

## 8. Participation

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

IETF meetings are open to any interested individuals.

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

## 9. Security Considerations

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

## 10. References

- 1 3GPP, Third Generation Partnership Project Description
- 2 3GPP, Third Generation Partnership Project Agreement

- 3 Bradner, S., "The Internet Standards Process -- Revision 3", BCP 9, RFC 2026, October 1996.
- 4 Postel, J., "Instructions to RFC Authors ", Informational, RFC 2223, October 1997.
- 5 Bradner, S., " IETF working group Guidelines and Procedures ", BCP 25, RFC 2418, September 1998.
- 6 Hovey R et. al., "The Organizations Involved in the IETF Standards Process ", BCP 11, RFC 2028, October 1996.
- 7 3GPP web site at <http://www.3gpp.org>

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## Appendix A: Acronyms

### Glossary Of Acronyms:

3GPP	Third Generation Partnership Project
ARIB	Association of Radio Industries and Businesses,
Japan	
BoF	Birds Of Feather
CWTS	China Wireless Telecommunications Standards
ETSI	European Telecommunications Standards Institute
IAB	Internet Architecture Board
IANA	Internet Assigned Numbers Authority
IEEE	Institute of Electrical and Electronics Engineers
IESG	Internet Engineering Steering Group
IETF	Internet Engineering Task Force
IP	Internet Protocol
IRSG	Internet Research Steering Group
IRTF	Internet Research Task Force
ISOC	Internet Society
MRP	Market Representation Partner
OP	Organizational Partner
PCG	Project coordination Group
RFC	Request for Comments
SA	Services and systems aspects
SDO	Standards Development Organization
T1	Committee T1 USA
TR	Technical Report
TS	Technical Specification
TSG	Technical Specification Group
TTA	Telecommunications Technology Association, Korea
TTC	Telecommunications Technology Committee, Japan
UE	User Equipment
WWW	World Wide Web

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