

draft-ietf-lpwan-schc-over-nbiot-07

Authors:

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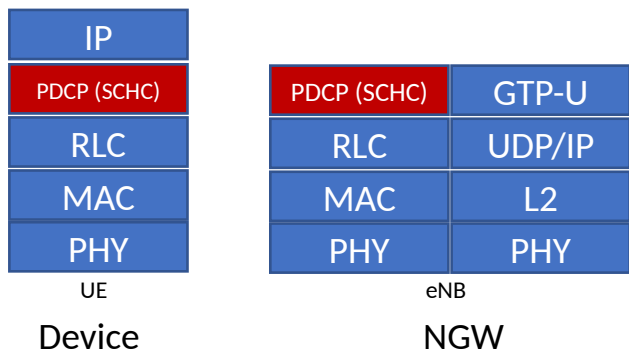
Overview

- Thanks for your review, Carles.
 - Several nits
 - Structure of the draft to make clear the use of compression and fragmentation

UseCase1: Radio Link IP based Data Transmission

Why Fragmentation is not used in this case?

- SCHC over User Plane
 - Data transport
 - SCHC Compression/Decompression as RoHC
 - No SCHC Fragmentation
 - No major changes in the 3GPP specification



Draft Status

- Draft-ietf-lpwan-schc-over-nbiot-07 is an INFORMATIONAL draft
 - Guidance for the use of SCHC
 - Proposes parameter values
 - Not give any new feature
 - Not modify RFCs 8724 or 8824

- 3GPP documents at IETF are INFORMATIONAL

Draft Sta

Document	Date	Status
Active Internet-Draft (1 hit)		
draft-contreras-teas-3gpp-ietf-slice-mapping-00 Connecting 3GPP slices through IETF Network Slice services	2022-05-07 12 pages	I-D Exists New
Expired Internet-Draft (1 hit)		
draft-ietf-icnr-5g-4cn-04 Enabling ICN in 3GPP's 5G NextGen Core Architecture	2021-01-10 32 pages	Expired Active RG Document:Informational
RFCs (24 hits)		
RFC 3113 (was draft-3gpp-collaboration) 5GPP-IETF Standardization Collaboration	2001-06 7 pages	Informational RFC
RFC 3131 (was draft-bradner-3gpp2-collaboration) 5GPP2-IETF Standardization Collaboration	2001-06 8 pages	Informational RFC
RFC 3314 (was draft-ietf-ipv6-3gpp-recommend) Recommendations for IPv6 in Third Generation Partnership Project (3GPP) Standards	2002-09 23 pages	Informational RFC
RFC 3455 (was draft-garcia-sipping-3gpp-p-headers) Private Header (P-Header) Extensions to the Session Initiation Protocol (SIP) for the 3rd-Generation Partnership Project (3GPP)	Errata 2005-01 24 pages	Informational RFC Obsoleted by RFC 7315
RFC 3574 (was draft-ietf-v6ops-3gpp-cases) Transition Scenarios for 3GPP Networks	2005-08 12 pages	Informational RFC
RFC 3589 (was draft-toughney-aaa-cc-3gpp) Diameter Command Codes for Third Generation Partnership Project (3GPP) Release 5	Errata 2005-09 5 pages	Informational RFC
RFC 3839 (was draft-singer-ant-3gpp-mime) MIME Type Registrations for 3rd Generation Partnership Project (3GPP) Multimedia files	2004-07 7 pages	Proposed Standard RFC Updated by RFC 6381
RFC 4083 (was draft-ietf-sipping-3gpp-r5-requirements) Input 3rd-Generation Partnership Project (3GPP) Release 5 Requirements on the Session Initiation Protocol (SIP)	2005-05 16 pages	Informational RFC
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RFC 4396 (was draft-ietf-ant-ntp-3gpp-timed-text) RTP Payload Format for 3rd Generation Partnership Project (3GPP) Timed Text	Errata 2006-02 46 pages	Proposed Standard RFC
RFC 5279 (was draft-monrad-sipping-3gpp-urn-namespace) A Uniform Resource Name (URN) Namespace for the 3rd Generation Partnership Project (3GPP)	Errata 2008-07 7 pages	Informational RFC
RFC 5502 (was draft-vanellburg-sipping-served-user) The SIP P-Served-User Private-Header (P-Header) for the 3GPP IP Multimedia (IM) Core Network (CN) Subsystem	Errata 2009-04 14 pages	Informational RFC Updated by RFC 8217, RFC 8498
RFC 5516 (was draft-jones-dime-3gpp-eps-command-codes) Diameter Command Code Registration for the Third Generation Partnership Project (3GPP) Evolved Packet System (EPS)	2009-04 5 pages	Informational RFC
RFC 5563 (was draft-leung-mip4-proxy-mode) WiMAX Forum / 5GPP2 Proxy Mobile IPv4	2010-02 41 pages	Informational RFC
RFC 6064 (was draft-westerlund-mmusic-3gpp-sdp-rtp) SDP and RTSP Extensions Defined for 3GPP Packet-Switched Streaming Service and Multimedia Broadcast/Multicast Service	2011-01 22 pages	Informational RFC
RFC 6459 (was draft-ietf-v6ops-3gpp-eps) IPv6 in 3rd Generation Partnership Project (3GPP) Evolved Packet System (EPS)	2012-01 16 pages	Informational RFC
RFC 7066 (was draft-ietf-v6ops-rf-3316bis) IPv6 for Third Generation Partnership Project (3GPP) Cellular Hosts	2013-11 30 pages	Informational RFC
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RFC 7651 (was draft-gundavelli-ispsecme-3gpp-ims-options) 3GPP IP Multimedia Subsystems (IMS) Option for the Internet Key Exchange Protocol Version 2 (IKEv2)	2015-09 10 pages	Informational RFC
RFC 7849 (was draft-ietf-v6ops-mobile-device-profile) An IPv6 Profile for 3GPP Mobile Devices	Errata 2016-05 22 pages	Informational RFC
RFC 9048 (was draft-ietf-emu-rf-5448bis) Improved Extensible Authentication Protocol Method for 3GPP Mobile Network Authentication and Key Agreement (EAP-AKA)	2021-10 40 pages	Informational RFC

3GPP

Additional search criteria

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Draft Status – Now: Informational

- Suggest: BCP

RFC2026: “The BCP subseries of the RFC series is designed to be a way to standardize practices and the results of community deliberations. A BCP document is subject to the same basic set of procedures as standards track documents and thus is a vehicle by which the IETF community can define and ratify the community's best current thinking on a statement of principle or on what is believed to be the best way to perform some operations or IETF process function

...

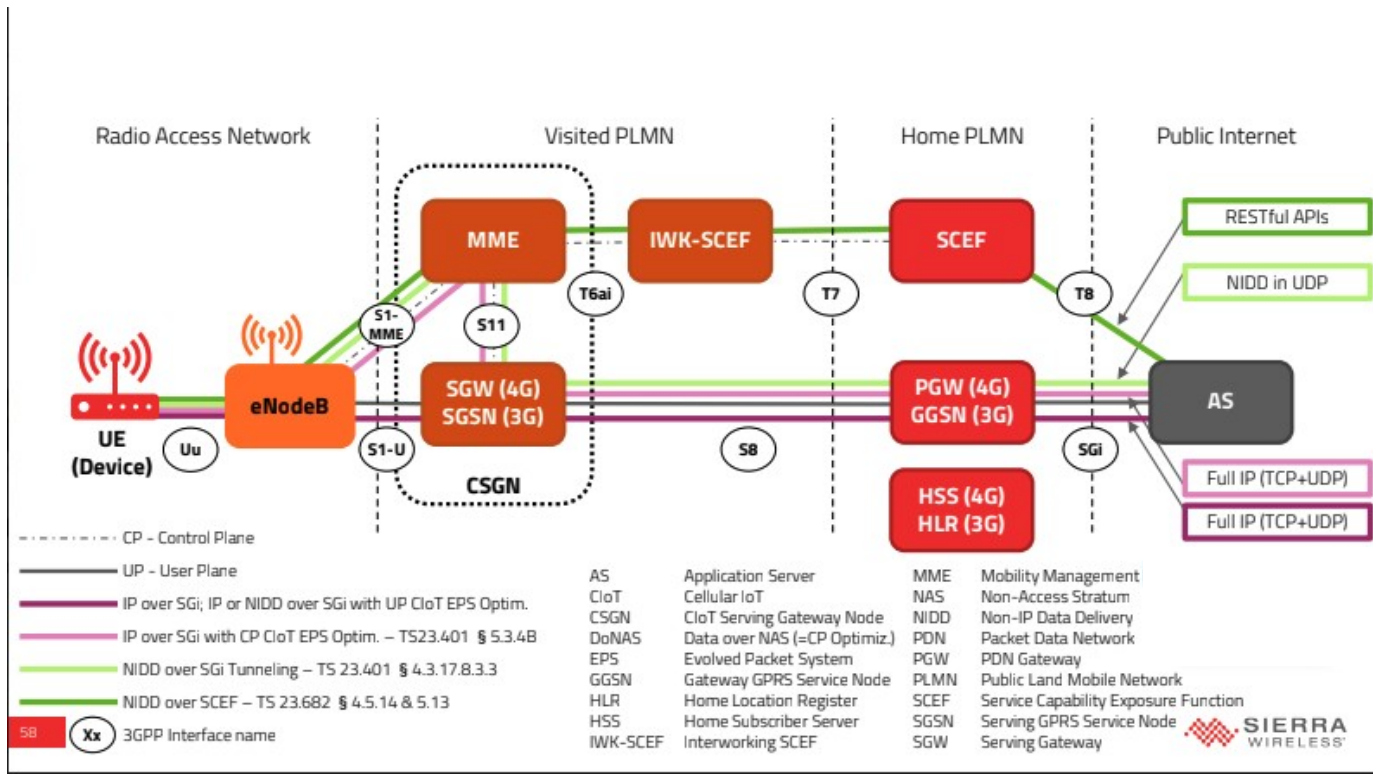
While it is recognized that entities such as the IAB and IESG are composed of individuals who may participate, as individuals, in the technical work of the IETF, it is also recognized that the entities themselves have an existence as leaders in the community. As leaders in the Internet technical community, these entities should have an outlet to propose ideas to stimulate work in a particular area, to raise the community's sensitivity to a certain issue, to make a statement of architectural principle, or to communicate their thoughts on other matters. The BCP subseries creates a smoothly structured way for these management entities to insert proposals into the consensus-building machinery of the IETF while gauging the community's view of that issue.”

IP version for compression

- 3GPP release 15
 - Uses IPv6 and IPv4

- Does IETF will work on IPv4 compression with SCHC?

NB-IoT Network



Thank you

- Questions?
- L-C?