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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>** |
| Title | Support for Robust Header Compression in 802.16 Convergence Sublayer |
| Date Submitted | **2005-06-08** |
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| Re: | C80216e/D8 Recirc 3 |
| Abstract | Clarifications to ROHC support in Convergence Sublayer |
| Purpose | Acceptance into 802.16e text |
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**Support for Robust Header Compression in 802.16 Convergence Sublayer**

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## 2 Overview

Support in the CS for the ROHC packet format in 802.16e/D5a has the following issues:

- No support for 0- and 1- byte ContextIds (cf. RFC 3059 section 5.1.3)

- No support for ROHC Feedback packets (cf. RFC 3059 section 5.2.2)

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## 3 Changes to 802.16e D8

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**[Modify section 11.13.19.3.4.18 as indicated:]**

## 11.13.19.3.4.18 ~~Session~~ Large Context ID for ROHC- or ECRTP-compressed packet or ROHC feedback packet ~~Header-compression protocol~~

**The** values of the field specify the ~~16-bit~~ context ID for ~~Header-compression protocol.~~ ROHC- or ECRTP-compressed packets. The CS will attempt to match the context ID with the payload packet's one-byte or two-byte embedded Context ID field according to the scheme described in RFC 3095 section 5.1.3

| Type | Length | Value | |
|---|---|---|---|
| [145/146].cst.3.17 | 2 | 0-65535 | ~~Session~~ Context ID |

**[Add section 11.13.19.3.4.19:]**

## 11.13.19.3.4.19 Short Context ID for ROHC- or ECRTP-compressed packet or ROHC feedback packet

**The** values of the field specify a short-format context ID for ROHC- or ECRTP-compressed packets. The CS will attempt to match the context ID with the payload packet's zero- or one-byte prefix Context ID field according to the scheme described in RFC 3095 section 5.1.3.

| Type | Length | Value | |
|---|---|---|---|
| [145/146].cst.3.18 | 1 | 0-15 | Context ID |