Project	**IEEE 802.16 Broadband Wireless Access Working Group** <http://ieee802.org/16>
Title	**Format of Compact Header**
Date Submitted	**2009-1-5**
Source(s)	Haihong Zheng, Shashikant Maheshwari, Haihong.zheng@nsn.com Yousuf Saifullah **NSN** Zexian Li **Nokia**
Re:	TGm SDD: 10.12.1 MAC Header formats
Abstract	SDD text proposal for compact header design
Purpose	For discussion and adoption into the 16m SDD
Notice	*This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups*. It represents only the views of the participants listed in the "Source(s)" field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein.
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.
Patent Policy	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: <http://standards.ieee.org/guides/bylaws/sect6-7.html#6> and <http://standards.ieee.org/guides/opman/sect6.html#6.3>. Further information is located at <http://standards.ieee.org/board/pat/pat-material.html> and <http://standards.ieee.org/board/pat>.

Design of Compact Header

Haihong Zheng, Shashikant Maheshwari, Yousuf Saifullah

NSN

Zexian Li

Nokia

1 Introduction

This document proposes the format of compact header.

2 Text Proposal

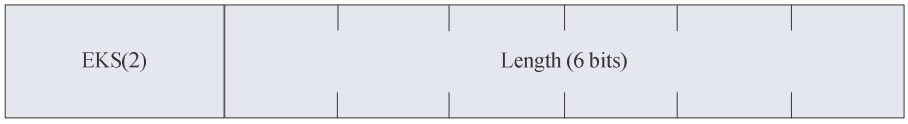
========== *Start of Proposed Text* ==========

10.12.1.2 Compact Header

Two types of ~~C~~ccompact header ~~format is FFS~~ can be used.

10.12.1.2.1 Type 1 Compact Header

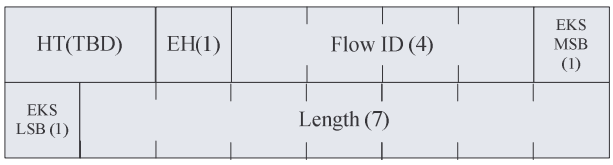
Type 1 Compact header can be used for connections with persistent allocation.



The persistent allocation can also be used to temporarily transmit the MPDU not belonging to the connection(s) assigned with the persistent allocation. The header format for the purpose of temporary bandwidth stealing is FFS.

10.12.1.2.2 Type 2 Compact Header

Type 2 compact header can be used for connections with small MPDU.



========== *End of Proposed Text* ==========