

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Proposed SDD text to Support Group Messages</b>	
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Source(s)	Robert Novak, Nortel Networks Mo-Han Fong, Nortel Networks Sean McBeath, Huawei Technologies Xiaoyi Wang, Nokia Siemens Networks Rath Vannithamby, Intel Corporation	Voice: E-mail: <a href="mailto:rnovak@nortel.com">rnovak@nortel.com</a> <a href="mailto:mhfong@nortel.com">mhfong@nortel.com</a> <a href="mailto:smcbeath@huawei.com">smcbeath@huawei.com</a> <a href="mailto:xiaoyi.wang@nsn.com">xiaoyi.wang@nsn.com</a> <a href="mailto:rath.vannithamby@intel.com">rath.vannithamby@intel.com</a>
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Re:	IEEE 802.16m-08/024: Call for Contributions on Project 802.16m System Description Document (SDD), Target topic: "SDD Text".	
Abstract	This contribution suggests the use of group messages for efficiently supporting VoIP traffic.	
Purpose	Discussion and approval by TGm for the 802.16m SDD	
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## Proposed SDD text to Support Group Messages

*Robert Novak, Mo-Han Fong, Nortel Networks*

*Sean McBeath, Huawei Technologies*

*Xiaoyi Wang, Nokia Siemens Networks*

*Rath Vannithamby, Intel Corporation*

### Introduction

Efficient signaling for VoIP presents several challenges due to the periodic nature of VoIP traffic, the potentially large number of VoIP users in the system, variable number of re-transmissions due to HARQ early termination, and the alternation between active and inactive speech. Group signaling provides an efficient mechanism for addressing these challenges. In group signaling, a group is associated with a set of resources, and a group message (a multi-cast message) is used to allocate resources to one or multiple mobile stations of the group.

### Text Changes

***[Add the following text to 11.6.2.3.1.2 (User-specific control information), page 43, line 20]***

[A group message is used to allocate resources and/or configure resources to one or multiple mobile stations within a user group. Each group is associated with a set of resources. VoIP is an example of the subclass of services that use group messages.](#)