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Title	<b>Proposed text for System Information of PBCH/SBCH</b>		
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Re:	SDD Session 57 Cleanup, Call for Comments (IEEE 802.16m-08/040)		
Abstract	This document proposes the system information of the PBCH and SBCH		
Purpose	To be reviewed and adopted by TGm for the 802.16m SDD		
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## Proposed text for System Information of PBCH/SBCH

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### 1 Scope

In this contribution, we make a proposal for the information that could be carried in PBCH and SBCH.

The proposal is presented in the form a Table in Section 2 below. Most of the parameters, (e.g, DL : UL ratio or # of Tx antennas) are self explanatory. For the terms “DL/UL frequency partition” and “DL/UL PHY resource allocation” please refer to section 11.5(lines 7 – 13) of the current SDD (IEEE 80216m-08\_003r5).

### 2 Proposed Text for SDD

#### 11.7.2.2.1 Primary Broadcast Channel (PBCH) and Secondary Broadcast Channel (SBCH)

The Primary Broadcast Channel (PBCH) and the Secondary Broadcast Channel (SBCH) carry essential system parameters and system configuration information. The PBCH is transmitted every superframe. The SBCH may also be transmitted. When present, SBCH may be transmitted over one or more superframes. The information contents of PBCH and SBCH is FFS. For example, table xx shows the system information carried in PBCH and SBCH.

Table xx. System information in PBCH and SBCH

<u>Parameters</u>	<u>Channel</u>
<u>DL:UL ratio</u>	<u>SBCH</u>
<u># Frequency partitions in DL</u>	<u>SBCH</u>
<u># Frequency partitions in UL</u>	<u>SBCH</u>
<u>Number of Tx antennas</u>	<u>SBCH</u>
<u>Used guard subcarrier for MC support</u>	<u>SBCH</u>
<u>Sector ID</u>	<u>PBCH</u>
<u>Superframe number</u>	<u>PBCH</u>
<u>DL PHY resource allocation information</u>	<u>PBCH</u>
<u>UL PHY resource allocation information</u>	<u>PBCH</u>
<u>DCD/UCD Count</u>	<u>PBCH</u>
<u>Size of DL USCCH</u>	<u>PBCH</u>
<u>MCS level of DL USCCH</u>	<u>PBCH</u>