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| Project        | <b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >   |  |
| Title          | <b>Replies to comment #105 (location information request and response messages)</b>  |  |
| Date Submitted | <b>2007-07-05</b>  |  |
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| Re:            | IEEE 802.16j-07/019: "Call for Technical Comments Regarding IEEE Project 802.16j"  |  |
| Abstract       | Replies to comment #105  |  |
| Purpose        | Text proposal for 802.16j Baseline Document.   |  |
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## Replies to comment #105 (location information request and response messages)

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### Introduction

This document is replies to comment #105. In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r4 are listed below.

### Proposed Text Change

6.3.26 Relay station neighborhood discovery

*[Insert the following subclause 6.3.26.1 in line 17 of page 132:]*

#### 6.3.26.1 RS Neighborhood Measurements

*[Insert the following subclause 6.3.26.2 in line 57 of page 132:]*

#### 6.3.26.2 RS Location Information

In order to assist RS neighborhood discovery, MR-BS should send an MR\_LOC-REQ message to the RS. Upon receiving the MR\_LOC-REQ message, RS shall report its location information by sending an MR\_LOC-RSP message to the MR-BS. If the MR\_LOC-REQ message containing the report type field 0b01, RS shall periodically send an RLY\_LOC-RSP message to the serving MR-BS every time interval defined by “Report period”.

In order to obtain the location information of neighbor stations, a RS should send an MR\_LOC-REQ message containing 48-bit MAC address of neighboring stations to the MR-BS. Upon receiving the MR\_LOC-REQ message, MR-BS shall report the location information of neighboring stations by sending an MR\_LOC-RSP message to the RS.

The message sequences chart (Figure 40a, Figure 40c and Figure 40b) and flow charts (Figure xxx and Figure yyy) on the following pages define the RS location request and report that shall be followed by compliant RSs and MR-BSs.

*[Move figure 40a, 40b,40c in page 43 to here.]*

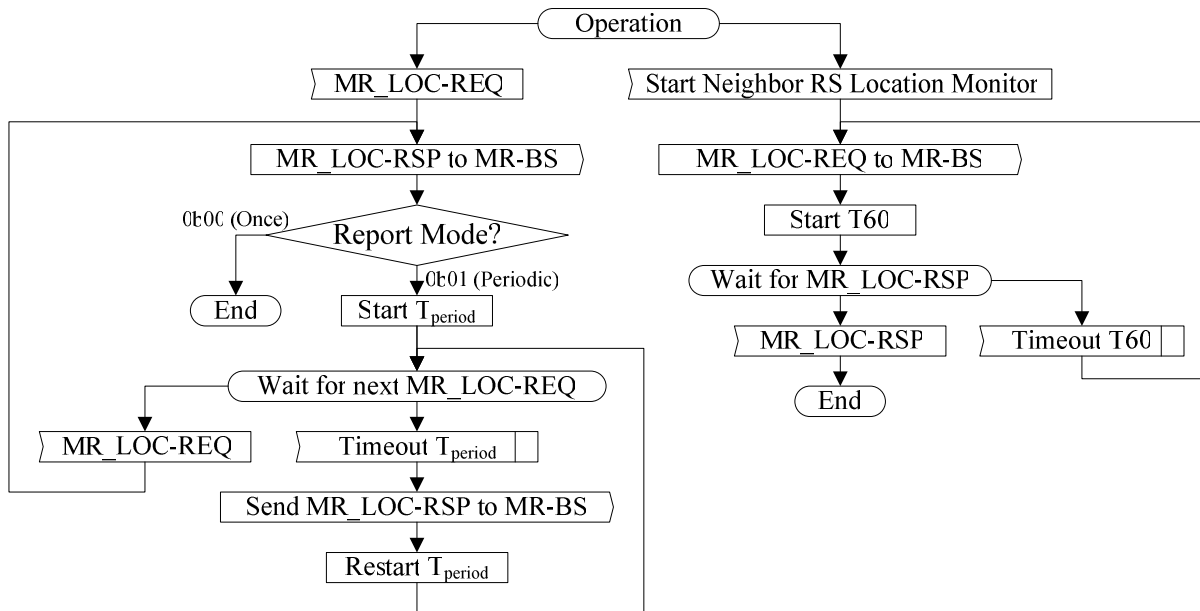


Figure xxx Relay location information response procedure – RS

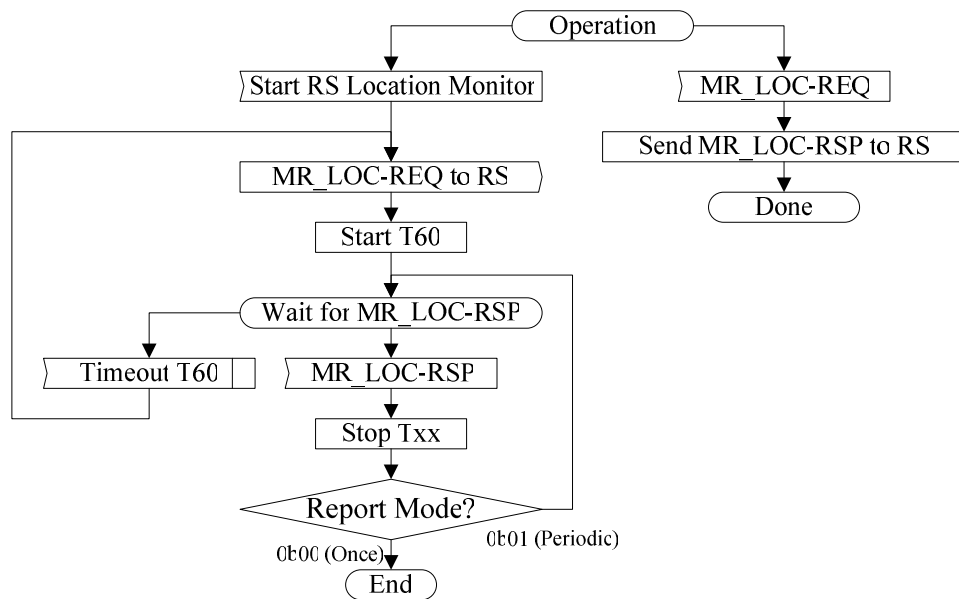


Figure yyy Relay location information request procedure – MR-BS

10.1 Global values

[Insert the following rows into Table 583 in page 169:]

Table 583—Parameters and constants

| System      | Name | Time reference  | Minimum value | Default value | Maximum value |
|-------------|------|---|---------------|---------------|---------------|
| MR-BS or RS | T60  | The timer between MR-BS (or RS) sending an MR_LOC-REQ to RS (or MR-BS) and receiving MR_LOC-RSP | tbd           | tbd           | tbd           |