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|---|---|
| Title | **Changes on Sleep Mode SDLs and MSCs** |
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| Re: | This is a response to a Call for Comments IEEE 802.16e-03/23 on IEEE 802.16e-03/07r4 |
| Abstract | This document contains suggestions to change the SDLs and MSCs reflecting working groups agreements on the Sleep Mode operation. |
| Purpose | The document is submitted for review by 802.16e Working Group members. |
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# Changes on Sleep Mode SDLs and MSCs

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### 1. Background

Due to the working group's agreement on the sleep mode operation, the SDL diagrams and MSCs in the Annex should be changed appropriately. Thus we propose changes to the SDL diagrams and MSCs reflecting the comment resolutions of the last meetings.

### 2. Proposed changes on Sleep Mode operation SDLs and MSCs in IEEE 802.16e-03/07r4

*[Replace the Figures to following SDLs and MSCs ]*

**6.4.16 Sleep-mode for mobility-supporting SS**
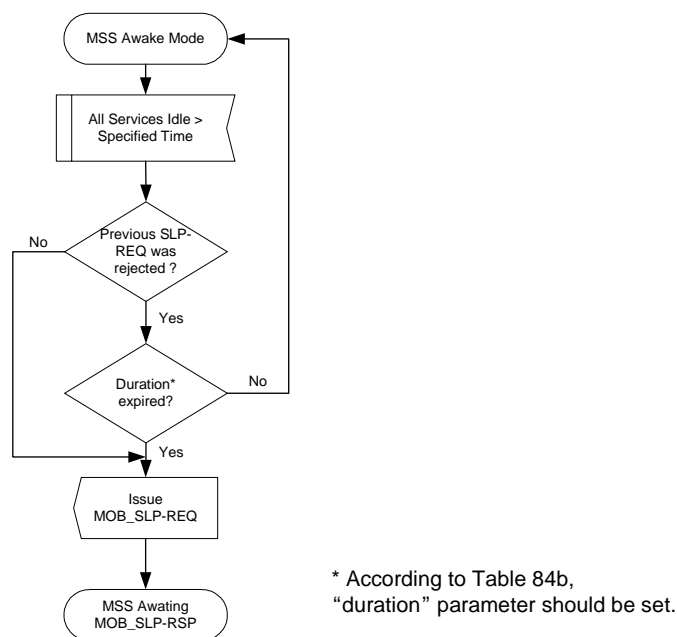
*[Replace Figure 106a to the following:]*



* According to Table 84b,
"duration" parameter should be set.

Figure 106a – MSS Awake Mode SDL Diagram

*[Replace Figure 106c to the following:]*

MSS Sleep Mode

Sleep Interval
Expiration

UL User Data

Set Listening Interval
and Update Sleep
Interval*

MSS Premature
Awakening

MSS Listening

* Update the Sleep Interval according to equation (1)
in section 6.4.16.2.
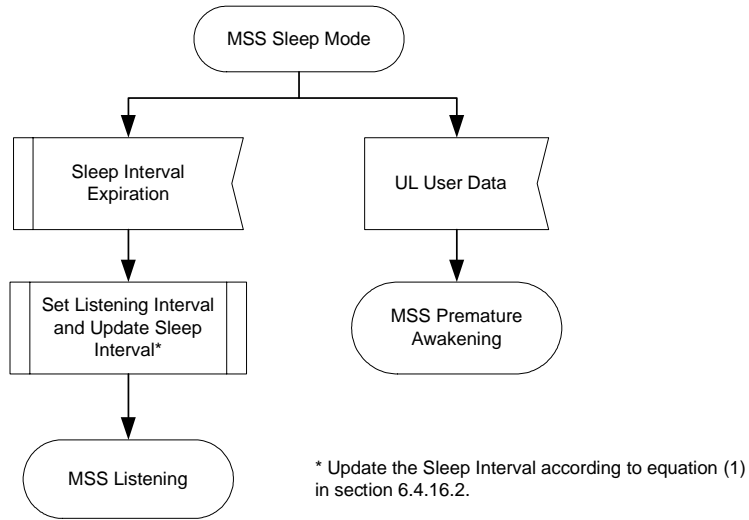
Figure 106c – MSS Sleep Mode SDL Diagram

*[Replace Figure 106d to the following:]*

MSS Listening

Receive
MOB_TRF-IND
with Num_positive =0

Listening Interval
Expiration

DL Data Received

Receive
MOB_TRF-IND
with positive
indication

MSS Sleep Mode

MSS Sleep Mode

MSS Awake Mode

DL Data for
the MSS?

No                                                                                   Yes

MSS Listening

MSS Awake Mode
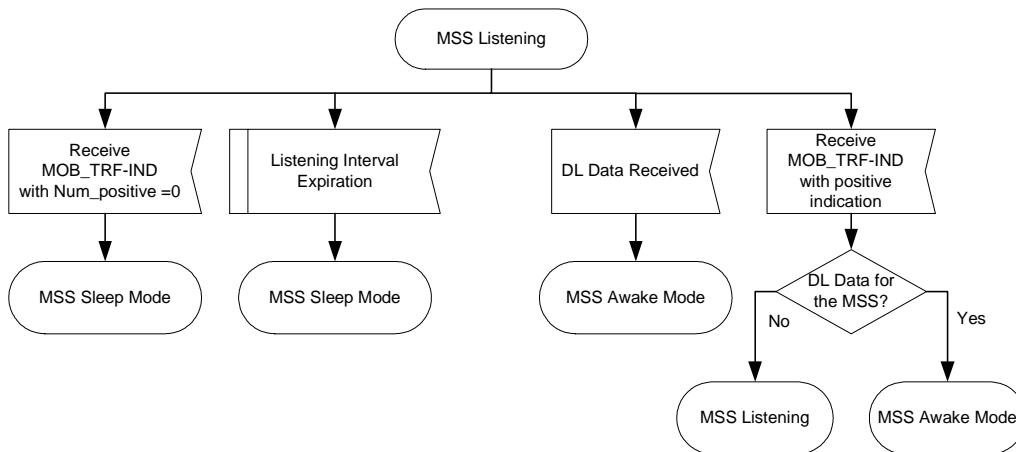
Figure 106d – MSS Listening SDL Diagram

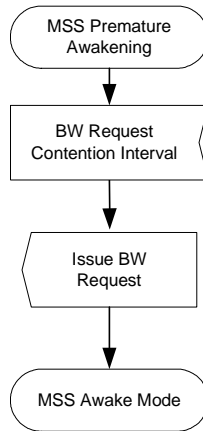*[Replace Figure 106e to the following:]*



Figure 106e – MSS Premature Awakening SDL Diagram
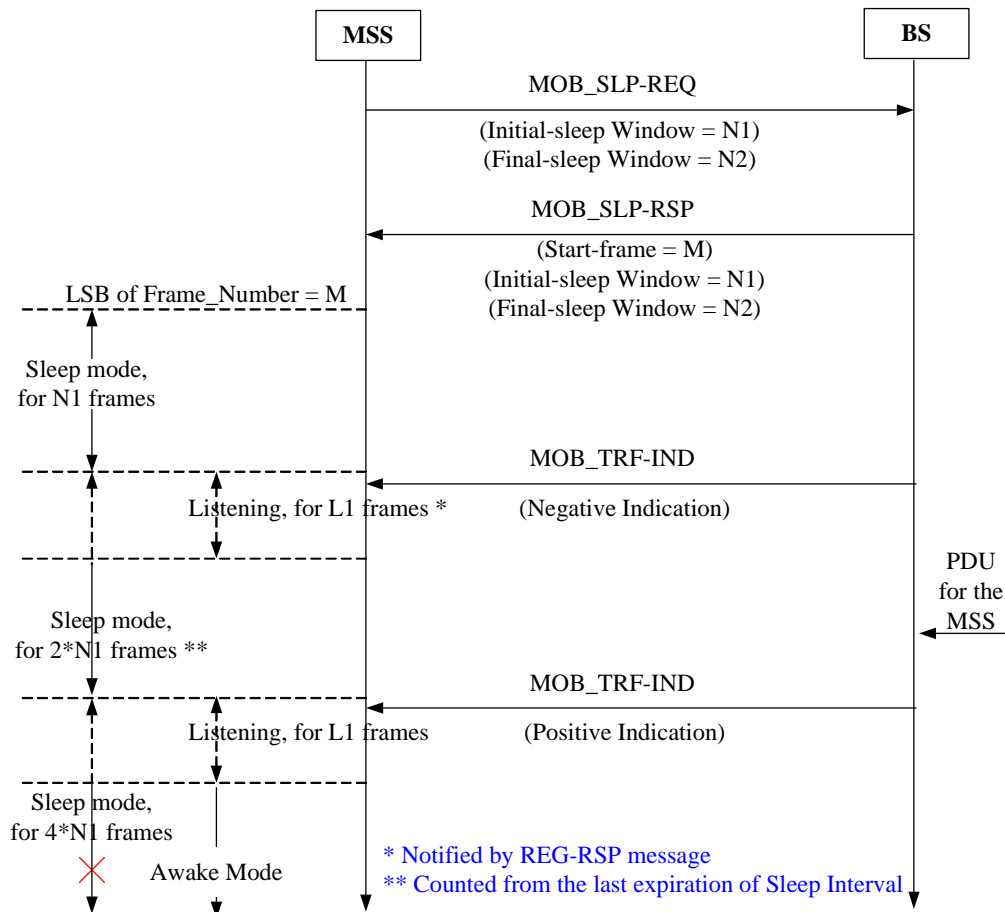
*[Replace Annex D.2 Figure D.10 to the following:]*



Figure D.10 – Sleep Mode – MSS initiated

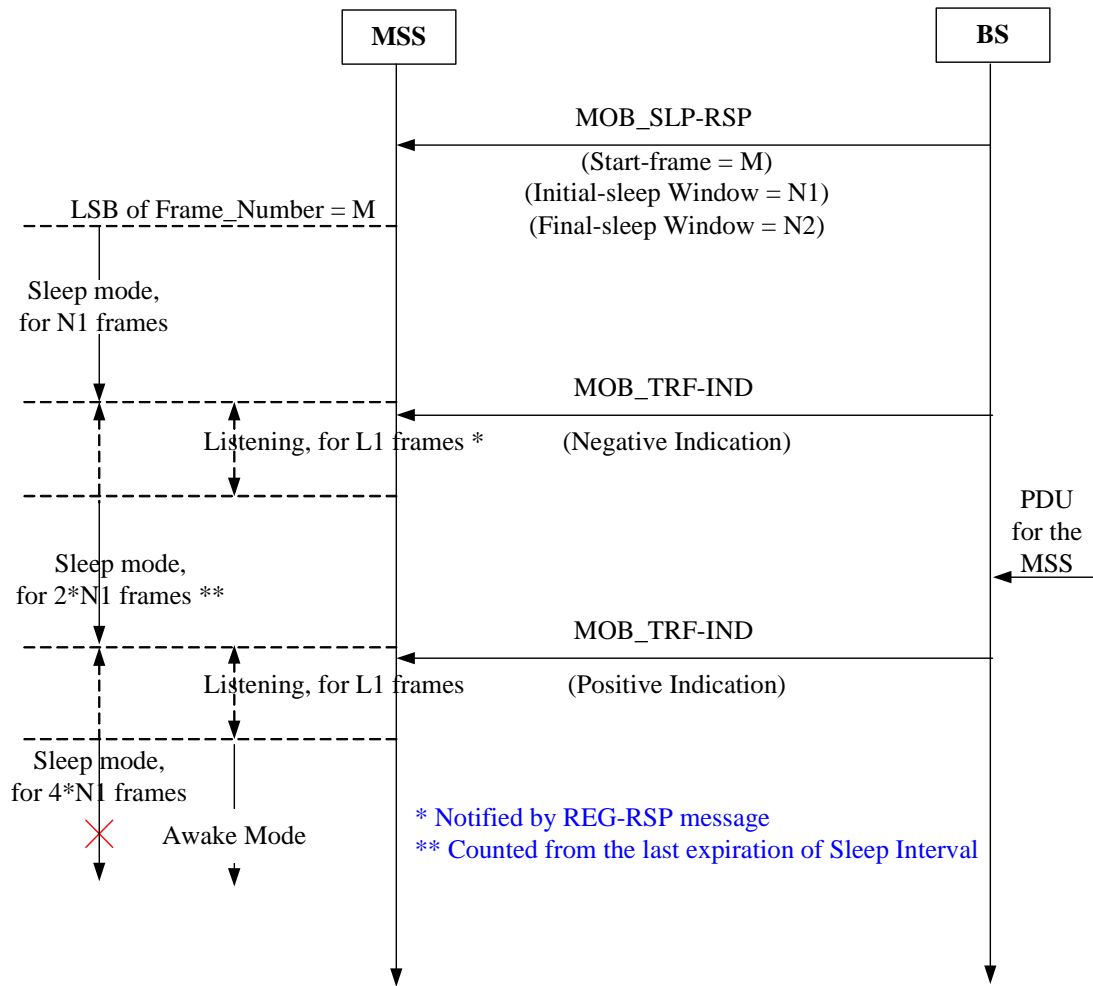*[Replace Annex D.2 Figure D.11 to the following:]*



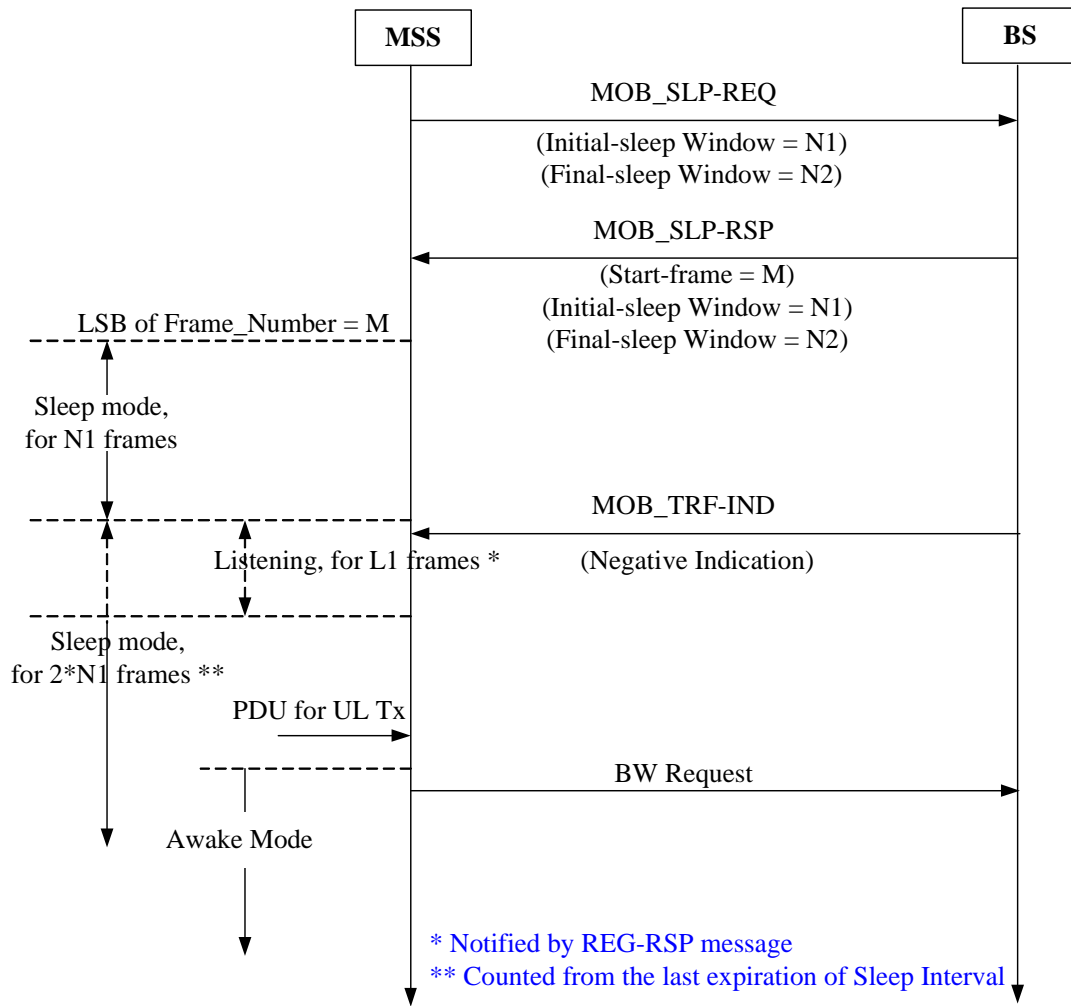Figure D.11 – Sleep Mode – BS initiated

*[Replace Annex D.2 Figure D.11 to the following:]*



Figure D.12 – Sleep Mode – MSS initiated awakening