Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Corrections to Dynamic Service Flow State Transition Diagrams**
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Re:	This is a contribution to IEEE 802.16-REVd.
Abstract	This contribution describes the proposed corrections to the Dynamic Service Flow State Transition Diagrams in 802.16REVd/D4.
Purpose	To correct the errors.
Notice	
Release	
Patent Policy and Procedures	

Corrections to Dynamic Service Flow State Diagrams

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1. Introduction

This contribution describes the proposed corrections to the Dynamic Service Flow State Transition Diagrams in 802.16REVd/D4.

2. References

[16REVd/D4] IEEE P802.16-REVd/D4-2004

3. Suggested Corrections

(1) corrections on the state transition diagram on page 207, figure 94:

The operation {(DSC Erred/DSD-Local(SF Delete))} between the state (Changing Remote) and the state(Deleting) should be corrected to {(DSC Erred/SF Delete-Local,DSD-Local(SF Delete))} as it should be like the operation between the state (Changing Local) and the state(Deleting).

The operation {(DSC Failed/SF Change)} between (Chaning Remote) and (Nominal) and between (Changing Local) and (Nominal) should be corrected to {(DSC Failed/SF Changed)} as the event (SF Change) is only send at the creation of a new transaction as an initial input to this transaction as specified in (page 206 line 16).

The following operation: {(Change/SF Change-Local,DSC-Local(SF Change)[BS only]} should be added between the states (Changing Remote) and (Changing Local) going from (Changing Remote) to (Changing Local). This operation is necessary to enforce the SS initiated change transaction to terminate if the BS initiates a local change transaction, this is mentioned in (page 224) in (lines 40 to 47). The event (SF Change-Local) does not exist in (page 205) and should be added.

(2) corrections on the state transition diagram on page 210, figure 97:

The following operation should be added {(SF Delete Local/)} going to the state (Deleting Service Flow) from any other state, because otherwise how does the transition occur that leads to the state (Deleting Service Flow).

(3) corrections on the state transition diagram on page 211, figure 98:

The following operation is missing {(DSC REQ/DSX RVD,DSC Failed,DSC-RSP)}, this is shown in (page 232,figure115) when the DSC Remote transaction receives a DSC-REQ that fails.

The following operation {(SF Change Local/)[BS only]} should be added going to the state (End) from any other sate to enforce the requirement in (page 224) in (lines 40 to 47).

(4) corrections on the state transition diagram on page 212, figure 99:

The operation {(Timeout T7/ DSD Ended)} should be corrected to {(Timeout10/ DSD Ended)} as the timer T10 is the one used when being in the (Holding Down) state. Also in (page 238,figure 121) the timer T10 is used not T7.

The operation {(DSC-RSP/DSD Succeeded)} should be corrected to {(DSD-RSP/DSD Succeeded)}.

(5) corrections on the state transition diagram on page 230, figure 113

The event {(SF Change-Remote)[SS only]} should be added in the same box as {(SF Delete-Remote)} to enforce the requirement in (page 224) in (lines 40 to 47).

(6) corrections on the state transition diagram on page 233 and 234, figure 116, 117, and 118

The event {(SF Change-Local)[BS only]} should be added in the same box as {(SF Delete-Remote)} to enforce the requirement in (page 224) in (lines 40 to 47).