MAC Management Signalling for MS to notification

IEEE 802.16 Presentation Submission Template (Rev. 8.3)
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Base Document:

Purpose:
    Adoption

MS/SS Management modes

- – Direct Management Mode
- – BS proxy MS/SS Management Mode

BS Proxy Mode MS/SS Management

MS/SS Management Information (SNMP/Corba/XML…)

MS/SS Management Information (MAC Message)

NCMS ——————— **BS (PROXY)** ——————— **MS/SS**

Current supported:
QRY_IE_REQ
QRY_IE_RSP
SET_IE_REQ
SET_IE_RSP

Propose to add:
NTF_IE_REQ
NTF_IE_RSP

QRY_IE_REQ →
QRY_IE_RSP ←
SET_IE_REQ →
SET_IE_RSP ←
NTF_IE_REQ ←
NTF_IE_RSP →
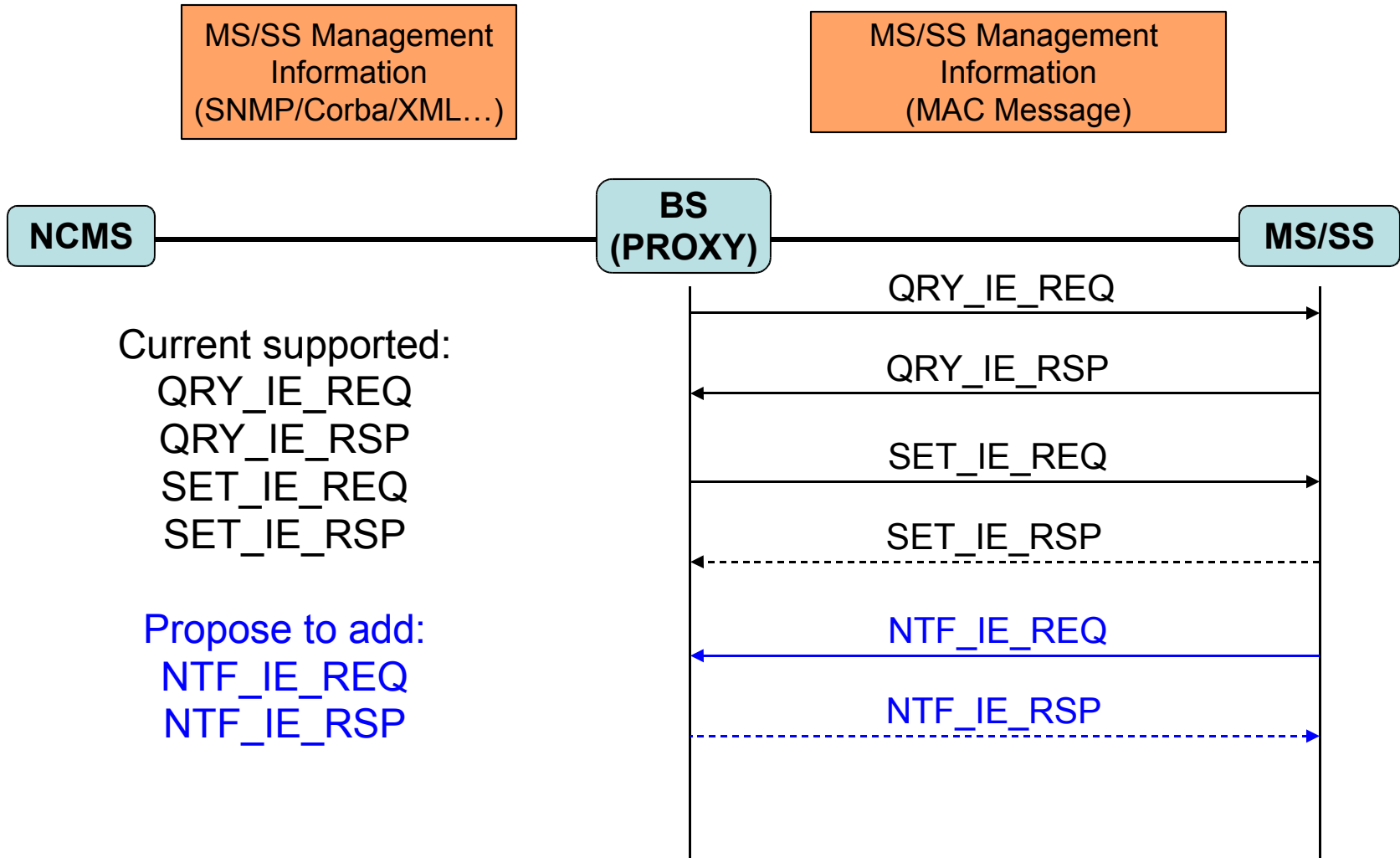
MAC Management Message

ype	essage name	essage description	onnection
02	RY_IE_REQ	Query IE request	primary management
203	QRY_IE_RSP	Query IE response	primary management
204	SET_IE_REQ	Set IE request	primary management
205	SET_IE_RSP	Set IE response	primary management
206	NTF_IE_REQ	Notify IE request	primary management
207	NTF_IE_RSP	Notify IE response	Primary management

NTP_IE_REQ

Syntax	Size	Notes
NTF_IE_REQ_Message_ Format() {		
Management message type = 206	8 bits	
Transaction id	8 bits	
Response timeout	8 bits	Number of frame x 5 by which the sender expects to receive a corresponding NTF_IE_RSP message with either a success or error RSP Status. If this value is set to 0, the sender does not require a response and the receiver will not issue one.
TLV Encoded Information	Variable	
}		

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NTP_IE_RSP

Syntax	Size	Notes
NTF_IE_RSP_Message_Format () {		
Management message type=207	8 bits	
Transaction id	8 bits	
RSP Status	8 bits	Allowed values are: 0 - success 1 - Error Response timeout too short 2 - Error TLV
TLV Encoded Information	variable	
}		

Thanks!