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| Project | **IEEE 802.21b** **<https://mentor.ieee.org/802.21>** |
| Title | **Suggested Remedies for 802.21b: Radio\_Set\_Parameters** |
| DCN | 21-11-0029-01-bcst |
| Date Submitted |  |
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| Re: |  |
| Abstract | The functionality provided by Radio\_Set\_Parameters can be included in Link\_Action primitive. The proposed change aims at replacing the Radio\_Set\_Parameters and MIH\_Radio\_Set\_Parameters primitives of current .21b draft v2. |
| Purpose | Proposes changes in the current draft |
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**Changes Required**

**No change is required in clause 7.3.14 (Link\_Action primitive).**

Need to modify the following data types:

CHANGE THE LINK\_ACTION DATA TYPE IN TABLE F.4

|  |  |  |
| --- | --- | --- |
| LINK\_ACTION | SEQUENCE( LINK\_AC\_TYPE, LINK\_AC\_ATTR,LINK\_AC\_PARAM) | Link action |

ADD LINK\_AC\_PARAM TO F.4

|  |  |  |
| --- | --- | --- |
| LINK\_AC\_PARAM | CHOICE(NULL, CHANNEL\_CONFIG\_SET). | The choice of CHANNEL\_CONFIG\_SET is used when the LINK\_CONFIGURE action is selected in order to provide the configuration to be set up in the interface |

CHANNEL\_CONFIG\_SET is already defined in current .21b draft v2.

CHANGE IN TABLE F.4 THE DEFINITION OF LINK\_AC\_TYPE AS:

|  |  |  |
| --- | --- | --- |
| LINK\_AC\_TYPE | UNSIGNED\_INT(1) | An action for a link. The meaning of each link action is defined in Table F.5.0: NONE 1: LINK\_DISCONNECT 2: LINK\_LOW\_POWER 3: LINK\_POWER\_DOWN 4: LINK\_POWER\_UP 5: LINK\_CONFIGURE6–255: (Reserved) |

ADD TO TABLE F.5 THE FOLLOWING:

|  |  |
| --- | --- |
| LINK\_CONFIGURE | Apply the requested channel configuration to the interface. |

**Corresponding MIH SAP primitive MIH\_Link\_Actions does not require any change**