|  |  |
| --- | --- |
| 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 |  |
| Source(s) | Antonio de la Oliva, Yoshihiro Ohba, Christian Niephaus, Johannes Lessmann |
| 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 |
| Notice | This document has been prepared to assist the IEEE 802.21 Working Group. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
| Release | The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that IEEE 802.21 may make this contribution public. |
| Patent Policy | The contributor is familiar with IEEE patent policy, as stated in [Section 6 of the IEEE-SA Standards Board bylaws](http://standards.ieee.org/guides/opman/sect6.html#_blank) <[http://standards.ieee.org/guides/bylaws/sect6-7.html#6](http://127.0.0.1:4664/cache?event_id=757737&schema_id=1&s=5X0vID10lu_E6yrIkWkNd4Wz2H8&q=hancock#_blank)> and in *Understanding Patent Issues During IEEE Standards Development* [http://standards.ieee.org/board/pat/faq.pdf](http://standards.ieee.org/board/pat/faq.pdf#_blank) |

**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\_CONFIGURE  6–255: (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**