CORR=UNK_VALUE

Proposal to resolve:

- Dave Wilson's <u>802.5r DISAPPROVAL</u>,

- Ken Wilson's <u>802.5s DISAPPROVAL</u>, and

- John Messenger's <u>DISAPPROVAL</u> of the Editors' (M. Siegel, D. Wilson, and K. Wilson) solution for 802.5s and 802.5r.

PROBLEM: CORR=UNK_VALUE
Should it be "(optional-x)"?

PROBLEM WITH DISAPPROVALS:

1. ## 802.5r Draft 6:

    - **Items DWW2 through DWW6: Dave Wilson wants (optional-x) removed.**

    - **Item JLM4: John Messenger wants (optional-x) added.**

2. ## 802.5s Draft 2:

    - **Item KTW26: Ken Wilson wants (optional-x) added.**

    - **John Messenger wants 802.5s to agree with 802.5r.**

CAUSE OF PROBLEM (EXAMPLE):

From Station Operation Table on page 9.2-25:

S/T: blank
REF: 3601
Event: FR_CHG_PARM(**CORR_NOT_PRESENT**)
Action: TXI_RSP_PDU(DC=RCV_SC; SC=RS;
            CORR=UNK_VALUE; RSP_TYPE=0001)

Transition 3601 causes the RSP PDU to be transmitted with a correlator subvector containing an *unspecified* value because the received CHG PARM MAC frame does not contain a correlator subvector (**CORR_NOT_PRESENT**). The Precise Specification of **CORR=UNK_VALUE** allows the correlator subvector to be omitted.

<u>SUMMARY OF POSITIONS</u>:

- Dave Wilson (802.5r: DWW2 - DWW6) believes changing "**CORR=UNK_VALUE**" to: "**[CORR=UNK_VALUE (optional-x)]** " is confusing because of the Precise Specification of "CORR=UNK_VALUE" on page 9.2-31.

- Ken Wilson (802.5s: KTW26) and John Messenger (802.5r: JLM4) believe for consistency the standard should recommend the correlator subvector should not be transmitted when the event is conditioned with "**CORR_NOT_PRESENT**" by adopting the following *solution* for 802.5s and 802.5r.

  1. *Change* transitions containing the event:
     "**CORR_NOT_PRESENT**" (see example on page 3).

  2. *Change* the Precise Specification of " **CORR=UNK_VALUE**" on page 9.2-31 to eliminate confusion.

SOLUTION - Part 1

Change C-Port and Station Operation Tables for Miscellaneous Frame Handling which contain transitions with the action:
"CORR=UNK_VALUE; " to:
"[CORR=UNK_VALUE (optional-x)]; "

Using example on page 3, *change* REF 3601 on page 9.2-25 to:

    S/T: blank
    REF: 3601
    Event: FR_CHG_PARM(**CORR_NOT_PRESENT**)
    Action: TXI_RSP_PDU(DC=RCV_SC; SC=RS;
             [CORR=UNK_VALUE (optional-x)] ;
             RSP_TYPE=0001)

Impact to Port and Station Operation Tables:

    Changes 802.5s and 802.5r Miscellaneous Frame Handing Operation Table transitions containing the event:
    (**CORR_NOT_PRESENT**).

SOLUTION - Part 2

Change the Precise Definition of the action
"CORR=UNK_VALUE" in 802.5s and 802.5r.
Using 802.5r page 9.2-31 as an example, change to:

Action/Output Term:

CORR=UNK_VALUE (optional-x)

Meaning of this Term:

The frame received did not contain a correlator subvector (3.3.4), thus the value of the correlator subvector to be transmitted is unspecified and the subvector may be omitted. The standard recommends new implementations not transmit the correlator subvector when no correlator subvector was received..