

# Clause 98 Comment #539 and #574 Reconciliation

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# Supporters and Contributors

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# Outline of presentation

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- Introduction
- Reason for Differences and Proposed Resolution
- Conclusion

# Introduction

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- Manchester violation (T6) was eliminated from end of page for Draft 1.4 but some sections of Clause 98 in the draft still refer to it.
- Comment #539 and #574 had similar proposals with different numeric values to resolve this.
- This contribution proposes a way to reconcile the differences between these comments.

# 98.2.1.1.1 Page 142 Line 8

## #539

- The final 2 positions contain a dummy zero for proper differential detection of the last bit of the CRC. The dummy zero contains a transition at position 154 and no transition at 155. Position 156 contains a transition from active to quiet.”
- "The starting sync header is the only place where three or more intervals occur between transitions. This allows the receiver to obtain page synchronization"

## #574

- "The final 2 transition positions contain the ending delimiter, which marks the end of the page. The ending delimiter contains a transition at position 155 and no transitions at the remaining positions. Position 157 contains a transition from active to quiet."

# Reason for Discrepancy

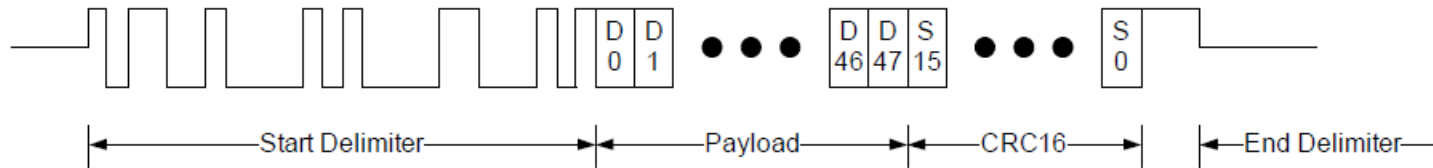


Figure 98-7—DME Page

- There are 154 T3 in Page but 155 transitions due to initial transition from silent to active in preamble.
- Propose accept wording in #574 for this item.

# 98.2.1.1.1 Page 141 Line 50

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- Propose revise wording for this change from comment #539 to reflect wording from other comments from #574

From (Draft 1.4):

A DME page carries a 48-bit Auto-Negotiation page. It consists of 158 evenly spaced transition positions that contain a starting sync header, the 48-bit page, 16-bit CRC, and an ending Manchester Violation delimiter.

To:

A DME page carries a 48-bit Auto-Negotiation page. It consists of 157 evenly spaced transition positions starting from the initial transition from silent to active in the preamble. The page contains a starting sync header, the 48-bit page, 16-bit CRC, and an end delimiter."

# #574 98.5.1 State Diagram Variables Changes

- Propose accept changes from #574 for Clause 98.5.1 Page 155 line 38 and page 159 line 35

page 155 line 38

change "detect\_mv\_end

Status indicating that the receiver has detected a Manchester Violation end delimiter.

Values:

FALSE: set to false after any Receive State Diagram state transition (default).

TRUE: Manchester violation end delimiter has been detected."

to "detect\_mv\_end

Status indicating that the receiver has detected the end delimiter.

Values:

FALSE: set to false after any Receive State Diagram state transition (default).

TRUE: end delimiter has been detected."

change "mv\_end\_delimiter; Auto-Negotiation causes the transmission of the Manchester violation end delimiter on the MDI."

to "mv\_end\_delimiter; Auto-Negotiation causes the transmission of the end delimiter on the MDI."

page 159 line 35

change "transmit\_mv\_end\_done

Status indicating that the transmission of the Manchester violation end delimiter has been completed.

Values:

FALSE: transmission of the Manchester violation end delimiter is in progress.

TRUE: transmission of the Manchester violation end delimiter has been completed."

to "transmit\_mv\_end\_done

Status indicating that the transmission of the end delimiter has completed.

Values:

FALSE: transmission of the end delimiter is in progress.

TRUE: transmission of the end delimiter has completed."



# Summary

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- Propose accept changes from comment #574 for Clause 98.2.1.1.1 Page 142 Line 8 (Slide #5, RHS)
- Propose accept revised changes in this presentation for 98.2.1.1.1 Page 141 Line 50 (Slide #7)
- Propose accept changes from comment #574 for Clause 98.5.1 Page 155 line 38 and page 159 line 35 (Slide #8)