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| 8802-3/802.3 REVISION REQUEST 1151 |  
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DATE: 1st Jun, 2004  
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REQUESTED REVISION:  
STANDARD: IEEE Std 802.3ak-2004  
CLAUSE NUMBER: 54.6.3.2  
CLAUSE TITLE: Test Fixture Impedance

PROPOSED REVISION TEXT:

Change Paragraph:

From:

"The nominal differential impedance of the transmit test fixture depicted in Figure 54-3 shall be 100 Ohms with a return loss greater than 20 dB from 100 MHz to 2000 MHz."

To:

"The differential load impedance applied to the transmitter output by the test fixture depicted in Figure 54-3 shall have a return loss greater than 20 dB from 100 MHz to 2000 MHz. The reference impedance for differential return loss measurements shall be 100 Ohms."

RATIONALE FOR REVISION:

The impedance specification in this clause is ambiguous. The test fixture is shown in Figure 54-3 to have two ports, one that connects to the transmitter output and one that connects to the "Post Processing" block. The clause does not specify whether the impedance specification applies to the port that connects to the transmitter output, the "Post Processing" block or both.

In addition, the return loss specification applies to the actual impedance applied to the transmitter output by the test fixture, not to the nominal value of the impedance.

IMPACT ON EXISTING NETWORKS:

None. It only clarifies the original functional requirement.

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| Please attach supporting material, if any |  
| Submit to:- Bob Grow, Chair IEEE 802.3 |  
| E-Mail: Bob.Grow@intel.com |  
|  
| +----- For official 802.3 use -----+ |  
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| For information about this Revision Request see - |  
| [http://www.ieee802.org/3/maint/requests/revision\\_history.html#REQ1151](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1151) |  
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