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| 8802-3/802.3 REVISION REQUEST 1166 |  
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DATE: 30th March, 2005  
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REQUESTED REVISION:  
STANDARD: IEEE Std. 802.3af-2003  
CLAUSE NUMBER: 33C.16  
CLAUSE TITLE:

PROPOSED REVISION TEXT:

Figure 33C.16:

Replace the 30V source and S1 at the upper part of figure 33C.16 with a block labeled test voltage source. Delete the label test load.

In 33C.2.2:

Add the following notes after step 4:

Notes:

5. The example shown above assumes that there are no additional impedances beyond figures 33-8 and 33-9.

6. An incorrect test setup may result in measuring the port output impedance Instead of Rrev due to diode in series to Zsource in figure 33-9.

7. Rrev in the above example is tested by injecting an external test voltage into the port. Incorrect polarity during testing may cause the impedance to appear lower than expected due to diode D1 in figures 33-8 and 33-9.

RATIONALE FOR REVISION:

The test setup as described in figure 33C.16 and test procedure PSE-14 is designed to measure Rrev which is the Zsource of the detection circuit as specified by figure 33-8 and 33-9, measured from the outside into the port. (That's why it was labeled as Rrev in Table 33-6 item 2b).

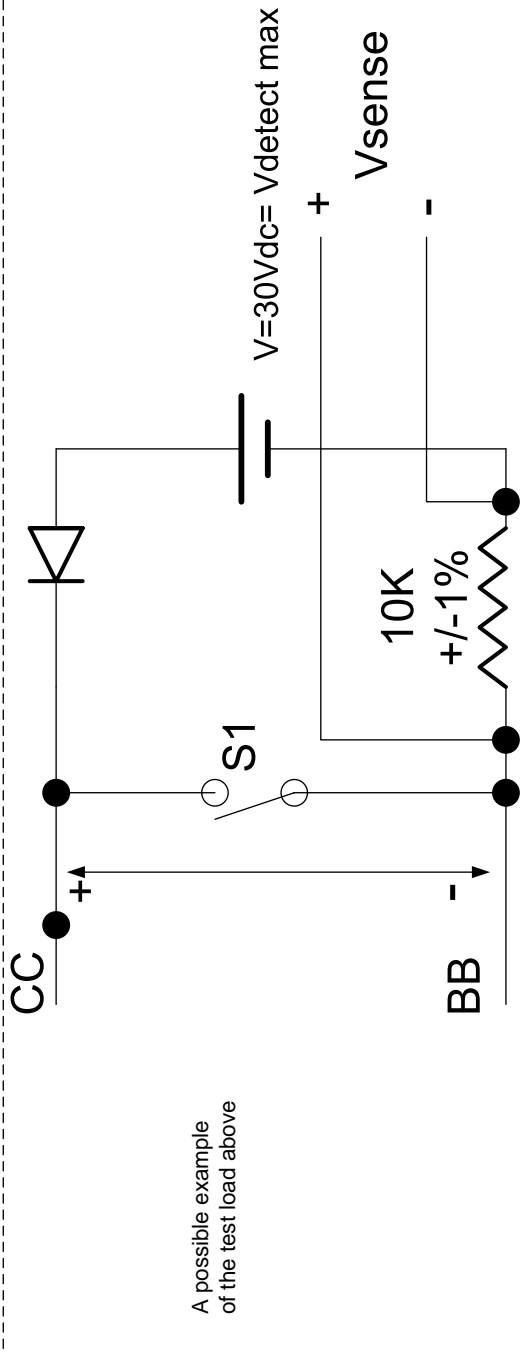
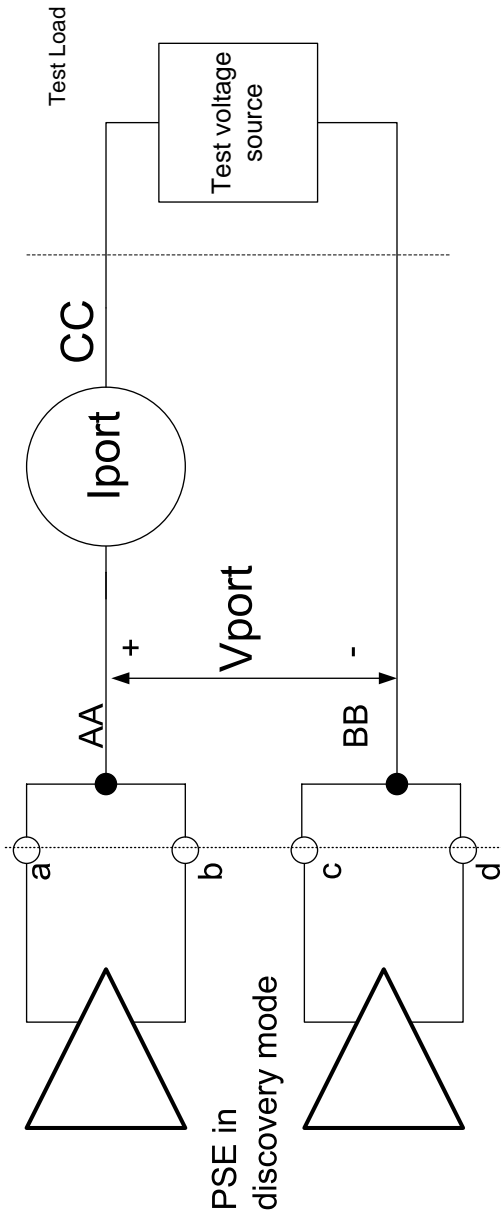
If there are other elements across the port, the result of Vsense in the example test setup will be changed and needs to be accounted for by the test setup.

IMPACT ON EXISTING NETWORKS:

No impact. It is all informative in the informative section.

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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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| ~~EDITORIAL~~/TECHNICAL |  
| ACCEPTED/DENIED |  
| BALLOT REQ'D YES/~~NO~~ |  
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| For information about this Revision Request see - |  
| [http://www.ieee802.org/3/maint/requests/revision\\_history.html#REQ1166](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1166) |  
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