Use eWON as ISOTCP to MPI-Profibus gateway

eWON can act as transparent ISOTCP to MPI gateway.

To achieve this, the software which will use eWON as gateway must be able to specify the MPI node to reach behind the eWON. This means that the ISOTCP frame sent to the eWON contains the MPI address of the target device. In terms of ISOTCP protocol we speak then about the use of a long TSAP.

Step7 for example allows this. So using Step7 you can reach several MPI/Profibus PLC behind the eWON on the same time.

Most of the IOServers do not allow to specify the MPI node to reach behind the ISOTCP node. So the frame sent to the eWON does not contain the MPI address of the target device. In terms of ISOTCP protocol we speak then about the use of a short TSAP.

In this case, to use eWON as gateway the client must first declare in the eWON the MPI/Profibus destination node. The destination node is the MPI/Profibus address to which eWON will send all the ISOTCP request received with a short TSAP.

The destination node can be defined in the IOserver configuration page:

Drawback: When the software uses a short TSAP, then the software will only be able to reach one MPI device on the same time. To be able to reach on other device, the customer will first need to change the destination node in the eWON IOserver configuration page.
Revision History

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<th>Revision Level</th>
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<th>Description</th>
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<tr>
<td>1.0</td>
<td>15/06/2010</td>
<td>Creation of document</td>
</tr>
</tbody>
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Document build number: 4

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