ISOTCP Gateway Destination node

A question was asked to eWON

It has been noticed that the setting MPI/Profibus Gateway, on the eWON IOserver S73&400 tab, seems never be used.
It's default address is 2, but when changed to an unused MPI networkaddress, it is still possible to go online with whatever PLC we want onMPI.
So the question is: when do you actually need this this setting, can you provide a case or situation where this setting must be entered/used?

Effectively, the ISOTCP protocol can be used in several ways, with or without a MPI node. The "MPI Gateway" parameter is used only if the ISOTCP request doesn't specify the final MPI node.
Looking into the Reference Guide, you see that we show you 2 syntax examples of ISOTCP addressing.

### ISOTCP

| ISOTCP, IP address, Called TSAP | IP address: IP address of the PLC (ex: 10,0,120,204)  
| Called TSAP: Transport Service Access Point (ex: 03,02) |

| ISOTCP, IP address, Called TSAP, Subnet ID, MPI node address | IP address: IP address of the PLC (ex: 10,0,120,204)  
| Called TSAP: Transport Service Access Point (ex: 03,02)  
| Subnet ID: ID of the MPI subnet  
| MPI node address: address of the PLC |

The second example uses 4 parameters and the last one is MPI node address. In this case, if another eWON receives this request, it will use the MPI node address of the request (and not the MPI node encoded in the IOServer).
At the opposite, using the first request example (with 2 params), as there is no final MPI node address, the ISOTCP request will be forwarded to the encoded MPI Gateway Node Address.

- Note -

The use of a short or a long ISOTCP request is dependant of the software used.
Revision Information

Revision

Revision History

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<tr>
<td>1.0</td>
<td>25/03/2010</td>
<td>Creation of document</td>
</tr>
</tbody>
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Document build number: 7

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