

## WG13 Issues - CIM Issues #4053

### Relax multiplicity of TopologicalNode-TopologicalIsland as

09/14/2021 03:43 PM - Herbert Falk

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Target version:</b>	
<b>Author/Contact Info:</b> Kendall Demaree	<b>Standard(s):</b>
<b>Base Release:</b> 61970cim15v26	<b>Version:</b>
<b>Solution to be Applied To:</b> 61970cim16v15	<b>Clause:</b>
<b>Solution Version:</b> CIM16	<b>Sub-Clause:</b>
<b>Solution Applied By:</b> KLH	<b>Paragraph:</b>
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<b>CIM Keywords:</b>	<b>Originally Closed in Version:</b> CIM16
<b>Breaking Change:</b> No	<b>Origination Date:</b> 06/24/2011
<b>Breaking Change Description:</b>	<b>Origination ID:</b> 13_63
<b>CIM Impacted Groups:</b> WG13	<b>Originally Assigned To:</b>
<b>Requestor:</b>	
<b>Description</b> Relax multiplicity of TopologicalNode-TopologicalIsland association The present model requires one entry on each side of this. Use cases such as when island has state or history and all its topological nodes go away or are assigned to another island could leave islands with no topological nodes. Similarly, some profiles are desiring to make exchange of island information "optional" so from the TopologicalNode side the island assignment is optional. This also supports the use case where isolated and deenergized buses are not considered to belong to any island.	
<b>Proposed Solution</b> Change the multiplicity of TopologicalNode[1..*]-TopologicalIsland <sup>1</sup> to be TopologicalIsland.TopologicalNodes[0..*] and TopologicalNode.TopologicalIsland to be [0..1].	
<b>Decision</b> 2012-11-07 WG 13 - Agreed to change the cardinality between TopologicalNode and TopologicalIsland to be 0..1 at the TopologicalIsland (a TopologicalNode doesn't have to be associated with a TopologicalIsland). The cardinality at the TopologicalNode end will remain unchanged. Issue will be closed.	