

## WG13 Issues - CIM Issues #6247

### Missing support for fault indicators

02/02/2023 01:07 PM - Martin Bass

<b>Status:</b>	New		
<b>Priority:</b>	Normal		
<b>Target version:</b>			
<b>Author/Contact Info:</b>	martin.bass@hitachienergy.com	<b>Standard(s):</b>	61970-301
<b>Base Release:</b>		<b>Version:</b>	
<b>Solution to be Applied To:</b>		<b>Clause:</b>	
<b>Solution Version:</b>		<b>Sub-Clause:</b>	
<b>Solution Applied By:</b>		<b>Paragraph:</b>	
<b>Completion Date:</b>		<b>Table:</b>	
<b>CIM Keywords:</b>	61970-Wires	<b>Originally Closed in Version:</b>	
<b>Breaking Change:</b>	Yes	<b>Origination Date:</b>	
<b>Breaking Change Description:</b>		<b>Origination ID:</b>	
<b>CIM Impacted Groups:</b>	WG13, WG14	<b>Originally Assigned To:</b>	
<b>Requestor:</b>			
<b>Description</b>			
In distribution it is necessary to model fault indicator devices. These are used by applications to determine the possible location of a fault and must be part of the network model.			
A fault indicator can be either a standalone device that provides a signal that indicates that a fault passed through it, or it can be a function within a complex device, such as a recloser.			

#### History

##### #1 - 02/16/2023 06:11 AM - Domagoj Peharda

- Breaking Change set to Yes

##### #2 - 06/14/2023 04:32 AM - Jugoslav Dujic

These should inherit from AuxiliaryEquipment::Sensor, since they do not disturb the conducting function (and fit the description).

Among the properties of interest are the operating principle (there are current- and voltage-based ones), and resetting method (manual reset, delayed reset, current-based reset).

See Eaton's "Faulted circuit indicator application guide" for description.