# WG13 Issues - CIM Issues #4413

## What is needed if we want  to use CIM for short Circuit Ana

09/14/2021 03:45 PM - Herbert Falk

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| **Status:** | Closed | | |
| **Priority:** | Normal | | |
| **Target version:** | | | |
| **Author/Contact Info:** | FR (EDF-EL) FR-2005-25 | **Standard(s):** | |
| **Base Release:** | | **Version:** | |
| **Solution to be Applied To:** | | **Clause:** | |
| **Solution Version:** | CIM10 | **Sub-Clause:** | |
| **Solution Applied By:** | | **Paragraph:** | |
| **Completion Date:** | | **Table:** | |
| **CIM Keywords:** | | **Originally Closed in Version:** | CIM10 |
| **Breaking Change:** | No | **Origination Date:** | 09/14/2005 |
| **Breaking Change Description:** | | **Origination ID:** | 269 |
| **CIM Impacted Groups:** | WG13 | **Originally Assigned To:** | |
| **Requestor:** | | | |

| **Description** |
|---|
| What is needed if we want  to use CIM for short Circuit Analysis ?. For instance each transformer should be modelized with three windings. CIM doesn't have all the attributes to fully support Short Circuits <br><br> Roy's WG14 Comments: Part 301 does define positive and zero sequence impedance which is enough for full 3 phase networks. However for partial phase networks sequence impedance values are not valid. |

| **Proposed Solution** |
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| 20070118/LOO Additional data is needed. <br><br> 2008-10-13, Eric Lambert: Describe short circuit analysis use case (UCTE need) and close issue when CIM checked against that use case. |

| **Decision** |
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| CIM does not appear to contain all data necessary for short circuit calculations, but an analysis of needs to be made of what is missing. <br> Short cirquit data has been added with CIM for planning, issue closed. <br> 2010-09-02/LOO |