

**COLLECTION OF IECEx / ExTAG DECISION**

<p><b>Standard:</b> IEC 60079-31: 2008 Ed.1 IEC 60079-31: 2013 Ed.2</p>	<p><b>Clauses:</b> 5 6 7</p>	<p><b>Draft Decision Sheet:</b> ExTAG/598/CD</p>
<p><b>Subject:</b> Equipment completion Marking</p> <p><b>Status of document:</b> Approved</p>	<p><b>Key words:</b></p> <ul style="list-style-type: none"> <li>• Equipment</li> <li>• Enclosure</li> <li>• Marking</li> <li>• Specific conditions of use</li> </ul>	<p><b>Date:</b> May 2020</p> <p><b>Originator of proposal:</b> PTB</p> <p><b>TC/SC involved:</b> TC31 WG28/MT60079-31</p>
<p><b><u>Background</u></b></p> <p>Many IECEx certificates exist for electrical equipment in Type of Protection Ex nA / Ex ec, where the Specific Condition of Use require from the user, to add a suitable enclosure for use in Zone 2 areas. This is a relaxation for the design of such equipment under certain conditions (see clause 13 of IEC 60079-15:2010 or Annex H of IEC 60079-7:2015).</p> <p>A similar approach, e.g. enclosure added or completed by user, as described above has been accepted by ExCBs to certify Ex equipment for Group III according to IEC 60079-31 for Types of Protection Ex tb and Ex tc.</p> <p>An example of the above is electrical equipment to be panel mounted with a specific condition of use to be mounted in a suitable and separately certified enclosure.</p> <p><b><u>Question</u></b></p> <p>How should electrical equipment in Type of Protection Ex t, that only partially meets the enclosure requirements of IEC 60079-31, be treated?</p> <ul style="list-style-type: none"> <li>a) As Ex equipment with “Specific conditions of use”? or</li> <li>b) As Ex component with a “Schedule of limitations”?</li> </ul>		
<p><b><u>Answer</u></b></p> <p>Unlike IEC 60079-7, IEC 60079-31 does not currently provide a permission for the application described. Without a change to the standard, the only possibility is: Products in Type of Protection Ex t, that only partially meet the enclosure requirements of IEC 60079-31, can only be treated as an Ex Component with a Schedule of Limitations.</p> <p>The Schedule of Limitations on the certificate needs to be clear and usable by the designer.</p> <p>Clarification: Two different certificates have to be issued for Ex ec and Ex tc if a product shall be then certified as equipment for Group II and as a component for Group III due to the fact that the certificate number includes the ‘X’ resp. ‘U’.</p>		