**COLLECTION OF IECEx / ExTAG DECISION**

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| Standard:  IEC 60079-31: 2008 Ed.1  IEC 60079-31: 2013 Ed.2 | **Clauses:**  5  6  7 | **Draft Decision Sheet:**  ExTAG/598/CD |
| **Subject:**  Equipment completion  Marking  **Status of document:**  Approved | **Key words:**   * Equipment * Enclosure * Marking * Specific conditions of use | Date: May 2020 **Originator of proposal:**  PTB  **TC/SC involved:**  TC31 WG28/MT60079-31 |
| **Background**  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).  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.  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.  **Question**  How should electrical equipment in Type of Protection Ex t, that only partially meets the enclosure requirements of IEC 60079-31, be treated?   1. As Ex equipment with “Specific conditions of use”? or 2. As Ex component with a “Schedule of limitations”? | | |
| **Answer**  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.  The Schedule of Limitations on the certificate needs to be clear and usable by the designer.  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’. | | |