Status Update IEC/IEEE 60802:

Footnotes for YANG and PCS in discussion at IEC Technical Office (TO) and IEC Standards Management Board (SMB).

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IEC FDIS preparation phase of IEC/IEEE 60802

During FDIS preparation phase, IEC Editor mentioned that a TC (Technical Committee, including work group) can not give Copyright exemptions. There are two footnotes:

Annex A
(normative)

PCS proforma – Time-sensitive networking profile for industrial automation

A.1   General [7]

The supplier of an implementation that is claimed to conform to the profile specified in this document shall complete the corresponding Profile Conformance Statement (PCS) proforma, which is presented in a tabular format based on the format used for Protocol Implementation Conformance Statement (PICS) proformas.

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[7]   Copyright release for the PCS: Users of this document may freely reproduce the PCS contained in this document so that they can be used for their intended purpose.

6.4.9   YANG representation of managed objects and nodes [5, 6]

6.4.9.1   General

All managed objects shall be represented in the YANG 1.1 format as described in IETF RFC 7950. The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2)

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[5]   Copyright release for YANG: Users of this document may freely reproduce the YANG modules contained in this document so that they can be used for their intended purpose.

[6]   An ASCII version of each YANG module defined in this document is attached to the PDF of this document and can also be obtained from the IEEE 802.Website at https://1.ieee802.org/yang-modules/.

Screenshots from document 65C/1302A/CDV - https://documents.iec.ch/ords/f?p=700:610:::::P610_DOCUMENT_FILE_ID:3643039

Some more Details – What happened since IEC CDV

IEC CDV preparation, CDV circulation (2024-08-30)

- In CDV preparation phase, YANG Files was primarily in focus, resulting IEC Comment (I-293) was discussed and rejected.
  Seems the IEC Editor did not saw the PCS footnote.

- The Circulation of document 65C/1302A/CDV (2024-08-30) gave the impression that everything was solved.
  Both footnotes – for YANG and for PCS – were in the document.

IEC FDIS preparation (started mid 2025)

- In FDIS preparation phase the IEC Editor raised the topic to PCS footnote.
  Did some research, the actual draft do not contain the footnote for YANG, somehow disappeared.

- For both topics, IEC Editor recommended to delete the footnotes for PCS and YANG. → SC65C/WG18 convenor rejected.

Action finished:

- ➢ Restore the discussion for both topics – footnote for YANG and PCS.
- ➢ Include IEC SMB (Standards Management Board) to the discussion to get a solution for both topics.

Meeting IEC SMB and IEC SEC/TO on January 7, 2026

Meeting outcome forwarded from IEC SEC (Secretary) to convenors of SC65C/WG18 (Ludwig Winkel, Dieter Proell):

... . To move toward a solution, IEC SEC needs clarification on one key point:

- ***Can these YANG files be used directly by companies to build products and make business, or are they intended as example code only for guidance?***

Our assumption is the first option, but we would prefer to have your confirmation as experts and leaders on this topic.

Comes along with the offer to join meetings (January 13 or 15)

We asked IEC SEC: "As your email concentrates on the YANG files topic, I assume we do have a solution for the PCS topic, right?" → waiting for answer.

Arguments to keep the footnotes, see next slide.

Next steps: Convenors join IEC meetings on January 13 or 15

Suggestions for the IEC discussion:

The key difference the **YANG files** and the **PCS proforma** share when compared to the rest of the document that the intended use is more permissive. The majority of the document is intended to enable a reader to build a compliant implementation of the specification, but the text is not to copied, modified or reproduced without permission. In contrast, the YANG files and PCS proforma are explicitly intended to be copied, modified and reproduced, albeit for separate, differing reasons.

YANG files are presented in a format that can easily be incorporated into implementations. The reasoning is that, by copying and pasting, mistakes will be less common, and different implementations are more likely to be compliant with the specification and thus interoperable. They are not sufficient on their own to build a compliant implementation, but they could be a small part of such an effort.

The **PCS proforma** is intended to be filled in by product vendors to declare an implementation's compliance with different aspects of the specification. This involves copying this section of the document, modifying it (filling it in) and reproducing it (e.g., submit to a test house, or provide it to an end user).

Please note that IEC has accommodated similar clauses in other joint specifications the past. For example, the YANG files in ISO/IEC/IEEE 8802-3-2:2021 https://www.iso.org/standard/82547.html.

Abbreviations, in case I missed some:

SMB ... Standardization Management Board, TO ... Technical Officer, SEC ... Secretary

More abbreviations at https://www.iec.ch/news-resources/reference-material#codes

Questions, Discussion, …

Thank you