

P802f

Amendment: YANG Data Model for EtherTypes

Resolution of Comments on
Project Authorization Request (PAR) and
Criteria for Standards Development (CSD)

2019-11-13

802.11 Comment on PAR 5.5

› **Comment:**

PAR 5.5 need to expand first use of acronym “RFC”. We Recognize that “YANG” is not spelled out for reasonable reasons.

› **Response:**

Accept

–5.5 updated to:

“YANG (Request For Comments (RFC) 7950) is a formalized data modeling language”

802.11 Comment on PAR 6.1.b

› Comment:

6.1.b “Registration Authority URN tutorial and IEEE Std 802d. “

- Need to provide a pointer to the tutorial in Section 8.1
- Need to spell out the full standard name in Section 8.1

› Response:

Accept in principle

- Update 8.1 with the following additional text:
 - #6.1.b The IEEE Registration Authority URN tutorial can be found at <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/tutorials/ieeurn.pdf>
 - #6.1.b IEEE 802d-2017 - IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture Amendment 1: Allocation of Uniform Resource Name (URN) Values in IEEE 802(R) Standards”
 - #6.1.b The EtherType tutorial can be found at <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/tutorials/ethertype.pdf>
 - #6.1.b The EtherType Public Listing can be found at <http://standards-oui.ieee.org/ethertype/eth.txt>

802.11 Comment on PAR 6.1.b

- › **Comment:**

- 6.1.b “MAC” spell out first use of Acronym.**

- › **Response:**

- Accept in principle

- 6.1.b is updated based on 802.3 comment.

802.11 Comment on PAR 7.1

› Comment:

7.1 Change “IEEE module once completed” to “IEEE YANG module once completed”

› Response:

Accept

– Update 7.1 as follows:

“The IETF will use the IEEE YANG module once completed [...]”

802.11 Comment on PAR 7.1

› Comment:

7.1 Change “and deprecate the EtherTypes Modules they have written” to “and deprecate other EtherTypes Modules they have written”

› Response:

Accept in principle

– Update 7.1 as follows:

“[...] and deprecate the EtherTypes Module they have written [...]”

802.3 Comment on PAR

› Comment:

General – Working offline the RAC Chair, the 802.1 Chair, IEEE Risk Management and IEEE Legal agreed that definition of “friendly names” for old EtherType assignments would be defined with a standards project (e.g., P802f). For new EtherType assignments, the IEEE RA will request the “friendly name” from the applicant. Going forward, any names not provided by the customer will have to be defined by a standards project. The PAR needs to be modified to reflect this.

› Response:

Accept in principle

- Update the PAR to reflect the requested changes regarding the definition of an initial set of “friendly names”. While we agree with the direction not all of these details are appropriate for the PAR.

802.3 Comment on PAR 5.2.b

› Comment:

5.2.b (project scope) — The first sentence is awkward and could be parsed inaccurately. Propose rewrite from: "This amendment specifies a procedure to generate YANG modules that contain the full EtherType information, including a compact human-readable name, found in the IEEE Registration Authority EtherType public listing.", to: This amendment specifies a procedure to generate YANG modules that contain full EtherType identified protocol information (typically as found in the IEEE Registration Authority EtherType public listing), and adds a compact humanreadable name (not found in also to be added to the EtherType public listing)."

› Response:

Accept in principle

– New Scope:

5.2.b. Scope of the project: This amendment specifies YANG modules that contain the EtherType information, including a compact human-readable name and description. The name and description for an initial set of EtherTypes are defined for inclusion in the IEEE Registration Authority EtherType public listing. This amendment also addresses errors and omissions in IEEE Std 802 description of existing functionality.

802.3 Comment on PAR 5.2.b

› Comment:

5.2.b (project scope) — The second sentence is ambiguous, are the errors and omissions in the EtherType public listing or in Std 802? Assuming this is a catch all for maintenance items on Std 802, it should clearly state that is the case. Possibly: "This amendment also addresses errors and omissions in IEEE Std 802 descriptions of existing functionality."

› Response:

- Accept in principle
See previous slide.

802.3 Comment on PAR 5.2.b

› Comment:

5.2.b (project scope) — Assuming the second sentence allows maintenance tasks to be performed, the group may want to include in those maintenance changes making Std 802 consistent in its capitalization of EtherType. While EtherType is dominant in Std 802, the existing standard also uses Ethertype. Other 802.1 standards predominantly use Ethertype. Certainly only one capitalization should be used in any given standard, but it would also be nice if 802.1 picked one for gradual enforcement as its standards are revised. No change to the PAR is requested.

› Response:

Accept in principle

- We agree that making capitalization of EtherType consistent should be considered during the course of the project.

802.3 Comment on PAR 5.5

› Comment:

5.5 (need) — This description doesn't clearly record rationale in discussion leading up to proposing this PAR. One important omission is that the IEEE RA listing may be misleading because assignees have not updated the information provided on their application for the EtherType. A standards project is the most efficient way to create an accurate listing of the common names within the industry for the protocols identified by a particular EtherType when contact information is unreliable.

› Response:

– Accept in principle

5.5 Need for the Project: The IEEE Registration Authority EtherTypes public listing may be misleading because assignees, whose contact information is often unreliable, have not updated the information provided on their application for the EtherType. This project is the most efficient way to create an accurate listing of the common names and descriptions used within the industry for the protocols identified by a particular EtherType. YANG (Request for Comment (RFC) 7950) is a formalized data modeling language that is widely accepted and can be used to simplify network configuration. A YANG module with an authoritative list of EtherTypes enhances compatibility of modern networks and aids in the efficiency of managing them.

802.3 Comment on PAR 6.1.b

› Comment:

6.1.b (registration activity) — The project being dependent on enhancement of the EtherType public listing is not practical, or it is poorly stated. If approved, the project will require update to the EtherType tutorial, the EtherType Public Listing, the EtherType applications and perhaps other registry documents and processes.

› Response:

– Accept in Principle

If yes please explain: The YANG Data Model will be assigned a Uniform Resource Name (URN) based on the IEEE Registration Authority URN tutorial and IEEE Std 802d. The project will require coordination with the IEEE Registration Authority Committee and the IEEE Registration Authority to update the EtherType tutorial, the EtherType Public Listing, the application for EtherType assignments, and perhaps other registry documents and processes.

802.3 Comment on PAR 6.1.a

› Comment:

6.1.a – The fact that the project will be based on and likely include content from RFC 8519 should be mentioned and copyright release should accompany the contribution to add said RFC 8519 content. It could be noted that the project is being done at the encouragement of IETF so permission is not expected to be a problem.

› Response:

– Accept in Principle

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes
If yes please explain: The project will be based on and possibly include content from RFC 8519. The project is being done at the encouragement of IETF, so copyright permission is not expected to be a problem.

802.3 Comment on CSD 1.1.1

› Comment:

CSD 1.1.1 The response is somewhat inaccurate. "This project is primarily a management project providing a YANG data model that contains compact human-readable names for the EtherType information found in the IEEE Registration Authority EtherType public listing." Would better read "This project is primarily a management project providing a YANG data model that defines compact humanreadable names for selected EtherType assignments found in the IEEE Registration Authority EtherType public listing."

› Response:

– Accept in principle

Update CSD 1.1.1 as follows:

This project is primarily a management project providing a YANG data model that defines compact human-readable names and descriptions for selected EtherType assignments found in the IEEE Registration Authority EtherType public listing.