REVISION REQUEST

DATE: 2021.03.16
NAME: Yan Zhuang
COMPANY/AFFILIATION: Huawei Technologies
E-MAIL: zhuangyan.zhuang@huawei.com

REQUESTED REVISION #1:
STANDARD: IEEE Std 802.3.2-2019
CLAUSE NUMBER: 7.4.1
CLAUSE TITLE: Tree hierarchy

PROPOSED REVISION TEXT:
Change: (p79)

+--ro mpcp-remote-mac-address? yang:mac-address
To:

+--ro mpcp-remote-mac-address? ieee:mac-address

REQUESTED REVISION #2:
STANDARD: IEEE Std 802.3.2-2019
CLAUSE NUMBER: 7.4.2
CLAUSE TITLE: YANG module

PROPOSED REVISION TEXT:
Change#2.1: (p118)

leaf mpcp-remote-mac-address {
  type yang:mac-address;
}

to:

leaf mpcp-remote-mac-address {
  type ieee:mac-address;
}

Change#2.2: (p80)

Add the following texts before 'import ietf-yang-type':

import ieee802-types {
  prefix "ieee";
  reference "IEEE 802 types";
}
REQUESTED REVISION #3:
STANDARD: IEEE Std 802.3.2-2019
CLAUSE NUMBER: 8.5.1
CLAUSE TITLE: Tree hierarchy

PROPOSED REVISION TEXT:
Change: (p129)

```y Yang
++--ro mac-address? yang:mac-address
```

To:
```
++--ro mac-address? ieee:mac-address
```

REQUESTED REVISION #4:
STANDARD: IEEE Std 802.3.2-2019
CLAUSE NUMBER: 8.5.2
CLAUSE TITLE: YANG module

PROPOSED REVISION TEXT:
Change#4.1: (p142)
```
leaf mac-address {
  type yang:mac-address;
}
```

To:
```
leaf mac-address {
  type ieee:mac-address;
}
```

Change#4.2: (p133)
Add the following texts before 'import ietf-yang-type':
```
import ieee802-types {
  prefix "ieee";
  reference "IEEE 802 types";
}
```

RATIONALE FOR REVISION:
The MAC address format is different between IETF and IEEE, while IEEE
802.3.2-2019 version used yang:mac-address defined in ietf-yang-types. So
we would like to change back to the ieee:mac-address defined in ieee802-
types module.

More information can be found at:
https://www.ieee802.org/1/files/public/docs2020/yangsters-smansfield-mac-
address-0420-v01.pdf

Changes on modules include:
Add import of ieee802-types.yang in EPON and Ethernet-link-oam modules.
Consistency between the formats used in YANG and the descriptions used in
IEEE 802.3-2018 Annex 31B.1 (for example), the format used is upper case
letters and "-" (or the IEEE definition).
IMPACT ON EXISTING NETWORKS:
People have to follow the MAC address format defined by IEEE to run the updated 802.3 EPON and Link OAM modules ~
So it might need to update their firmware accordingly.

| Please attach supporting material, if any |
| Submit to:- David Law, Chair IEEE 802.3 |
| and copy:- Adam Healey, Vice-Chair IEEE 802.3 |
| At:- E-Mail: stds-802-3-maint-req@ieee.org |

REV REQ NUMBER: 1380 | DATE RECEIVED: 15 March 2021 | EDITORIAL/TECHNICAL | ACCEPTED/DENIED | BALLOT REQ'D YES/NO | COMMENTS:

For information about this Revision Request see -
http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1380