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|                           REVISION REQUEST                           |
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DATE: 18 April 2019
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REQUESTED REVISION:
  STANDARD: IEEE Std 802.3-2018 as amended by IEEE Std 802.3cd-2018
  CLAUSE NUMBER: 45
  CLAUSE TITLE: Management Data Input/Output (MDIO) Interface

PROPOSED REVISION TEXT:
Allocate the following MDIO bits:
1.26.9 for 100GBASE-SR2 ability
1.26.8 for 100GBASE-CR2 ability
1.26.7 for 100GBASE-KR2 ability
1.26.3 for 100GBASE-DR ability
1.23.2 for 200GBASE-SR4 ability
1.23.1 for 200GBASE-CR4 ability
1.23.0 for 200GBASE-KR4 ability
```

RATIONALE FOR REVISION:
IEEE Std 802.3cd-2018 added the following "Ability" bits in Clause 45:
```
1.20.4 for 50GBASE-LR ability
1.20.3 for 50GBASE-FR ability
1.20.2 for 50GBASE-SR ability
1.20.1 for 50GBASE-CR ability
1.20.0 for 50GBASE-KR ability
```
but it created the following PMDs and did not allocate ability bits:
```
100GBASE-SR2 ability
100GBASE-CR2 ability
100GBASE-KR2 ability
100GBASE-DR ability
200GBASE-SR4 ability
200GBASE-CR4 ability
200GBASE-KR4 ability
```

IMPACT ON EXISTING NETWORKS:
None. However, current implementations are unable to advertize their
ability for these PMDs via MDIO.

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|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              |
|                                                                  |
|              +------------ For official use ------------+        |
|              | REV REQ NUMBER: 1342                     |        |
|              | DATE RECEIVED: 18 April 2019             |        |
|              | EDITORIAL/TECHNICAL                      |        |
|              | ACCEPTED/DENIED                          |        |
|              | BALLOT REQ'D    YES/NO                   |        |
|              | COMMENTS:                                |        |
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| For information about this Revision Request see -                |
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1342 |
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