

# 802.1ASdr Editor's Update

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IEEE 802.1 Maintenance

May 13, 2022

# PAR - 1

- The Scope of 802.1ASdr as stated in the PAR is as follows
  - 5.2.b Scope of the project:** This amendment changes the non-inclusive, insensitive, and deprecated terminology including those identified by IEEE P1588g and IEEE editorial staff, replacing them with their suitable terminology wherever possible.
- The PAR states the dependence on IEEE P1588g
  - 5.3 Is the completion of this standard contingent upon the completion of another standard? Yes**
  - Explanation:** The amendment depends upon the alternative terminology selected by IEEE P1588g. The Project Authorization Request (PAR) is submitted prior to the completion of IEEE P1588g to expedite changes and industry alignment on inclusive terminology.

# PAR - 2

- The Purpose of 802.1ASdr as stated in the PAR is as follows
  - 5.4 Purpose:** This standard enables systems to meet the respective jitter, wander, and time-synchronization requirements for time-sensitive applications, including those that involve multiple streams delivered to multiple end stations. To facilitate the widespread use of packet networks for these applications, synchronization information is one of the components needed at each network element where time-sensitive application data are mapped or demapped or a time-sensitive function is performed. This standard leverages the work of the IEEE 1588 Working Group by developing the additional specifications needed to address these requirements.
- The Need for 802.1ASdr as stated in the PAR is as follows
  - 5.5 Need for the Project:** IEEE Std 802.1AS-2020, includes a profile of IEEE Std 1588-2019, and uses noninclusive terms to describe port states and clock roles in a Precision Time Protocol (PTP) network. IEEE SA has recently resolved that IEEE standards should be written in such a way as to avoid non-inclusive and insensitive terminology. IEEE P1588g is developing a consensus on the preferred alternative terminology. In order to avoid confusion in industry, this project selects from the IEEE P1588g alternative terms to describe PTP functionality.

# Non-inclusive terms in IEEE 802.1AS – 1

## Master is used 1169 times in the document

- Master
- Grandmaster
- ClockMasterSyncSend
- ClockMasterSyncReceive
- ClockMasterSyncOffset
- ClockMasterReceive
- ClockMaster
- MasterPort
- masterTime
- clockMasterLogSyncInterval
- updateMasterTime
- masterPriorityVector
- RepeatedMasterInfo
- SUPERIOR\_MASTER\_PORT
- masterPriority
- masterStepsRemoved
- SuperiorMasterInfo
- InferiorMasterInfo
- INFERIOR\_MASTER\_OR\_OTHER\_PORT\_UPDATE
- grandmasterIdentity
- grandmasterClockQuality
- grandmasterPriority1
- grandmasterPriority2
- alternateMasterFlag
- rcvdMDSyncDot11MasterA
- initReqParamsDot11MasterB
- ftmReqGrantedMaster
- offsetFromMaster
- AcceptableMaster
- AcceptableMasterTable
- AcceptableMasterTableDS
- AcceptableMasterTableEnabled
- AcceptableMasterPort
- AcceptableMasterPortDS
- AcceptableMasterArray
- ftmReqGrantedMaster

# Non-inclusive terms in IEEE 802.1AS – 2

## Slave is used 338 times in the document

- Slave
- ClockSlaveSync
- ClockSlaveTime
- ClockSlave
- slaveTimeCallback
- slaveTimeCallbackPhase
- SlavePort
- rcvdClockSlaveTime
- updateSlaveTime
- dot11SlaveMac
- slaveMacOfLastRequest
- initReqParamsDot11Slave
- ftmReqGrantedSlave
- setMDSyncParamsDot11Slave
- setMDSyncReceiveDot11Slave
- slaveOnlyClock

# P1588g update

- A new alternative terminology to master-slave was selected
  - “timeTransmitter” was selected as an alternative nomenclature for “master”
  - “timeReceiver” was selected as an alternative nomenclature for “slave”
- WG re-circulation ballot with the new terms was closed on 13 March, 2022
  - Comments were mainly editorial, and they were all resolved
  - There was no need for another WG re-circulation ballot
  - A new draft was created and is ready for SA ballot
- SA ballot pool is being formed, it closes on May 13
  - SA ballot will start soon after the SA ballot pool is formed.

# IEEE 802.1ASdr next steps

- The editor will work on the IEEE 802.1ASdr draft after P1588g SA ballot comments resolution is finished
- The draft will include editing instructions to replace Master/Slave in every place in the standard, including figures and state machines

Thank you!