Fig 7-3

universal time domain with domain number 0

Note: all the “bridges” and “routers” in this figure are examples of time-aware relays, and the endpoints are time-aware endpoints.

working clock domain with domain number 1

Note: all the “bridges” and “routers” in this figure are examples of time-aware relays, and the endpoints are time-aware endpoints.
Two redundant sync trees rooted at the same GM are separated in two gPTP domains.

Note 1: The methods used for merging the redundant sync msgs received at each endpoint are not specified in this standard.

Note 2: All the “bridges” and “routers” in this figure are examples of time-aware relays, and the endpoints are time-aware.
Note 1: The methods used for merging the redundant sync msgs received at each endpoint are not specified in this standard.

Note 2: The endpoint operating as the hot-standby GM may need an additional clock client attached to it, if the hot-standby GM is required to be synchronized to the primary GM.

Note 3: All the “bridges” and “routers" in this figure are examples of time-aware relays, and the endpoints are time-aware.
Note 1: The methods used for merging the redundant sync msgs received at each endpoint are not specified in this standard.

Note 2: The endpoint operating as the hot-standby GM may need an additional clock client attached to it, if the hot-standby GM is required to be synchronized to the primary GM.

Note 3: All the “bridges” and “routers” in this figure are examples of time-aware relays, and the endpoints are time-aware.
Time-aware higher-layer application
(see clause 9)

ClockMaster

ClockSlave

SiteSync

PortSync

LocalClock

MDSyncReceive

MDSyncSend

MD

LLC

MS

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PortSyncSync

PHY

MAC

ISS

MS

Media-dependent
time-aware system
entities

Media-dependent
time-aware system
entities

Media-dependent
time-aware system
entities

Media-dependent
time-aware system
entities

media independent
(see clause 10)

media dependent
(see clauses 11, 12, 13 and annex E)

media dependent
(see clauses 11, 12, 13 and annex E)