TSN domain

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Contributors

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Forward

This contribution;
- intends to clarify the scope of discussion.
- is based on 802.1BA.
- shows only a beginning of discussion.
- has never proposed any concluding profile.

TSN Devices

- A TSN network is considered to consist of the following:
    a. End stations that act as Talkers
    b. End stations that act as Listeners
    c. End stations that act as both Talkers and Listeners
    d. MAC Bridges that support the bridging requirements of the TSN network

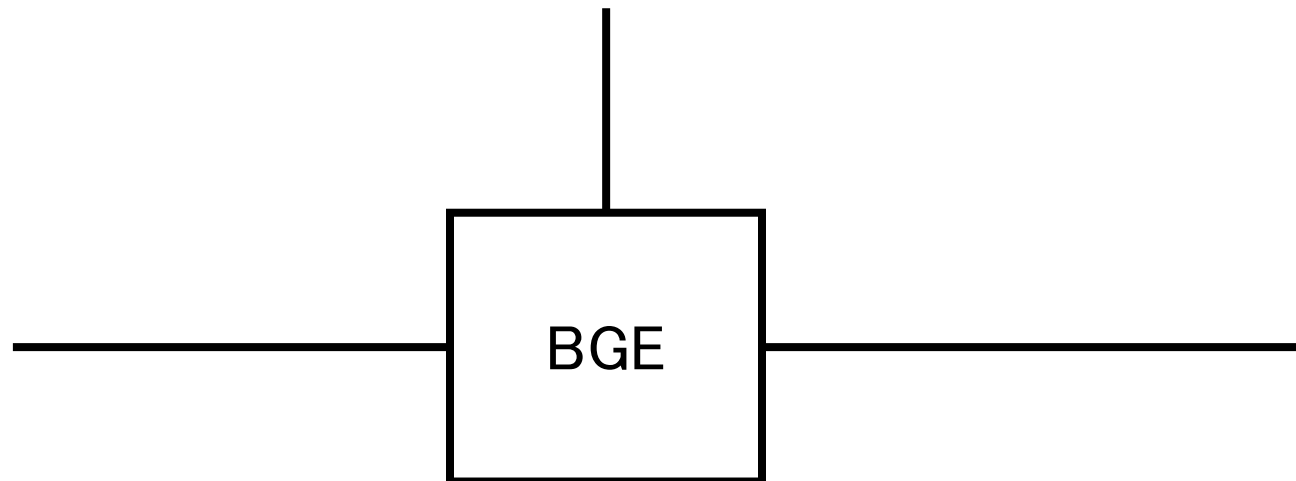   Note: These devices interconnect through Individual LANs.

Implementation Type

Item	Feature	Status	Support
BGE	Is the implementation a Bridge?	O. 1	Yes[ ] / No[ ]
TLK	Is the implementation a Talker end statin?	O. 1	Yes[ ] / No[ ]
LSN	Is the implementation a Listener end statin?	O. 1	Yes[ ] / No[ ]

- NOTE—A single device can incorporate the functionality of one or more of the functions listed in this table.
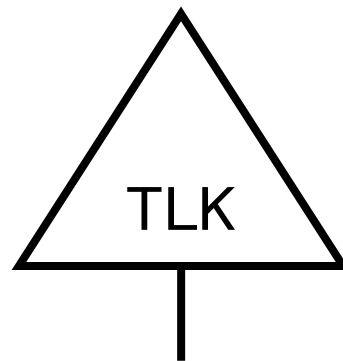
Example: Bridge

Item	Feature	Status	Support
BGE	Is the implementation a Bridge?	O. 1	Yes
TLK	Is the implementation a Talker end statin?	O. 1	No
LSN	Is the implementation a Listener end statin?	O. 1	No

BGE

Example: End Station

Item	Feature	Status	Support
BGE	Is the implementation a Bridge?	O. 1	No
TLK	Is the implementation a Talker end statin?	O. 1	Yes
LSN	Is the implementation a Listener end statin?	O. 1	No

Example: Bridged End Station

Item	Feature	Status	Support
BGE	Is the implementation a Bridge?	O. 1	Yes
TLK	Is the implementation a Talker end statin?	O. 1	Yes
LSN	Is the implementation a Listener end statin?	O. 1	No

TLK

BGE
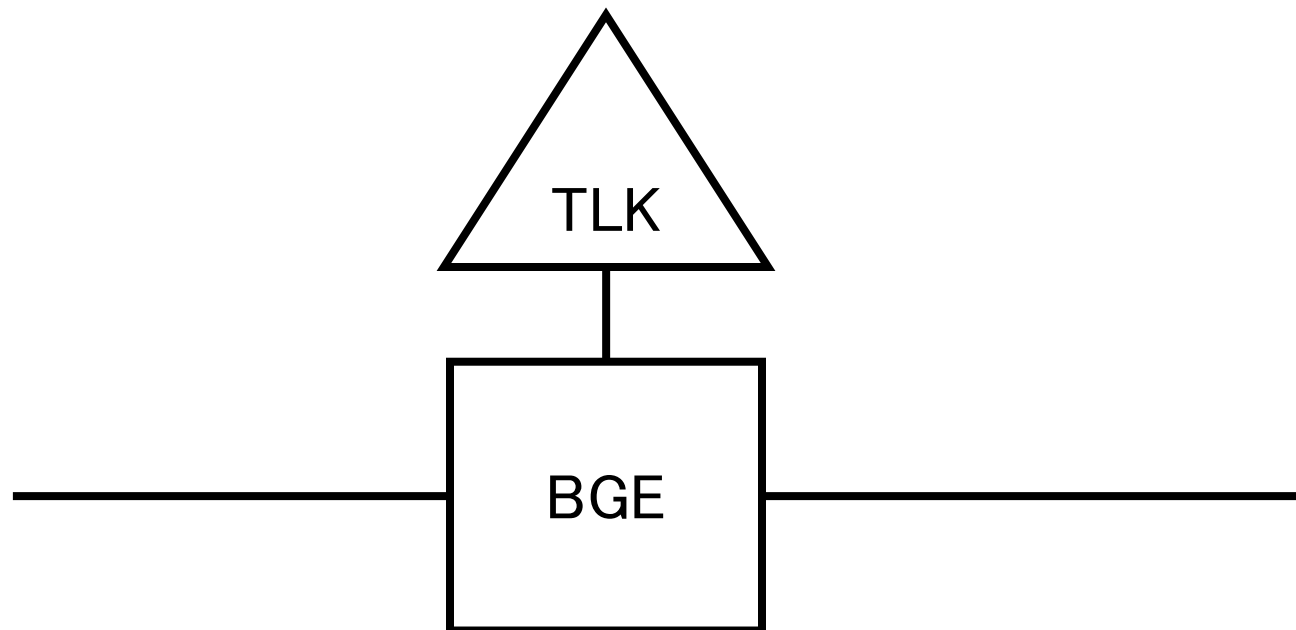
TSN domain

- Intersection of VLAN domain, gPTP domain and group of devices continuously connected through TSN capable ports

VLAN domain

gPTP domain

Group of devices continuously
connected through TSN capable ports