White Rabbit Hierarchical Networking Model

Core Layer

Timing

Data

Data Master

SyncE PTP Master

Timing Master

WR SWITCH

WR SWITCH

Data Master

RSTP ROO
VLAN
GARP VLAN
LACP

Distribution Layer

WR SWITCH

WR SWITCH

WR SWITCH

RSTP
VLAN
GARP VLAN
LACP

SyncE
PTP Boundary
Clocks

Access Layer

WR SWITCH

WR SWITCH

SyncE
PTP Boundary
Clocks

WR SWITCH

WR SWITCH

RSTP
VLAN
GARP VLAN
LACP

Resilient Network

SyncE
PTP
Ordinary Clocks

WR NODE

WR NODE

WR NODE

WR NODE

VLAN
GARP VLAN

Non-resilient Network