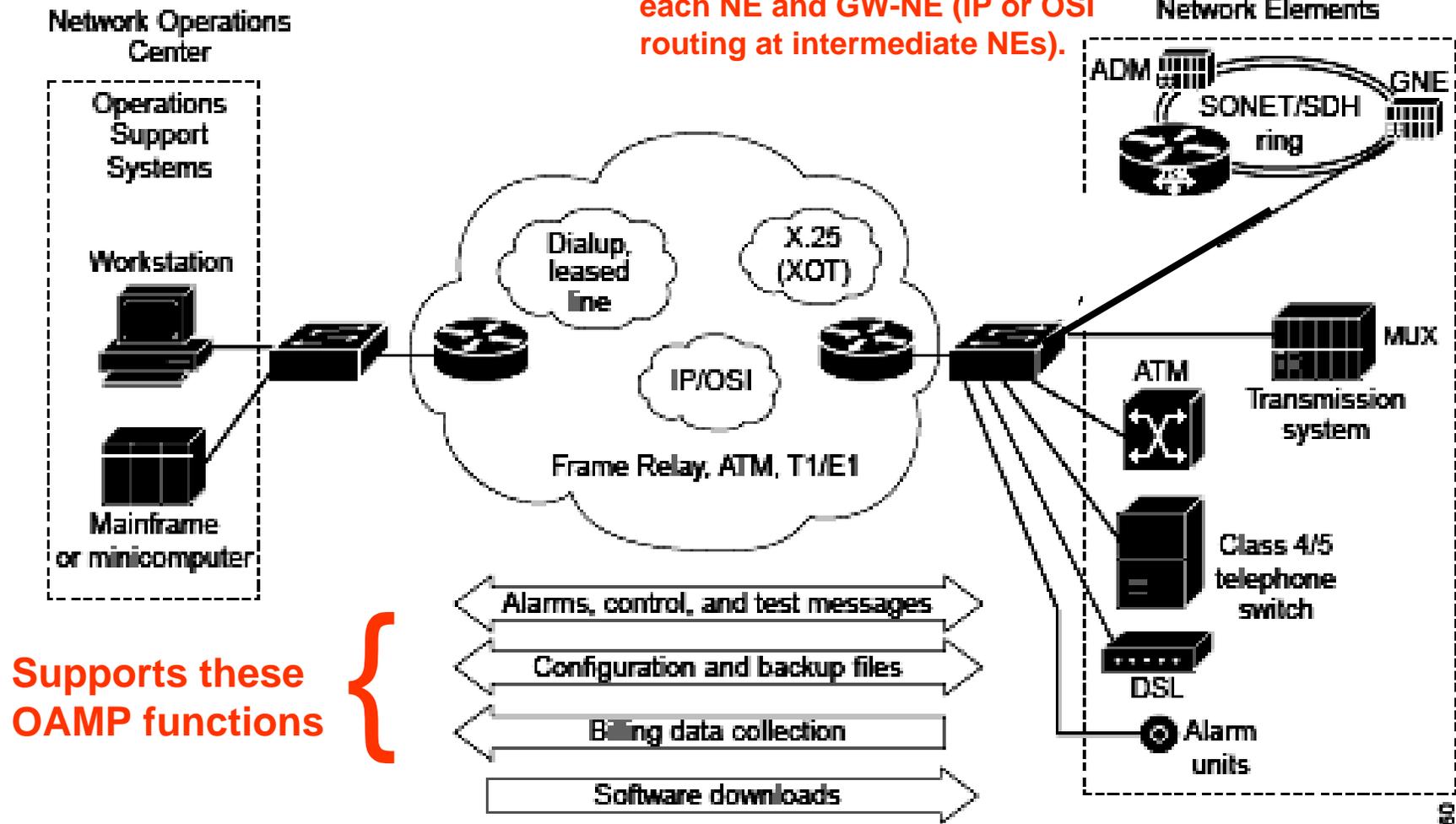


**Material Supporting 802.1AB-
REV comment regarding
Management VID
December, 2007**

bsultan@huawei.com

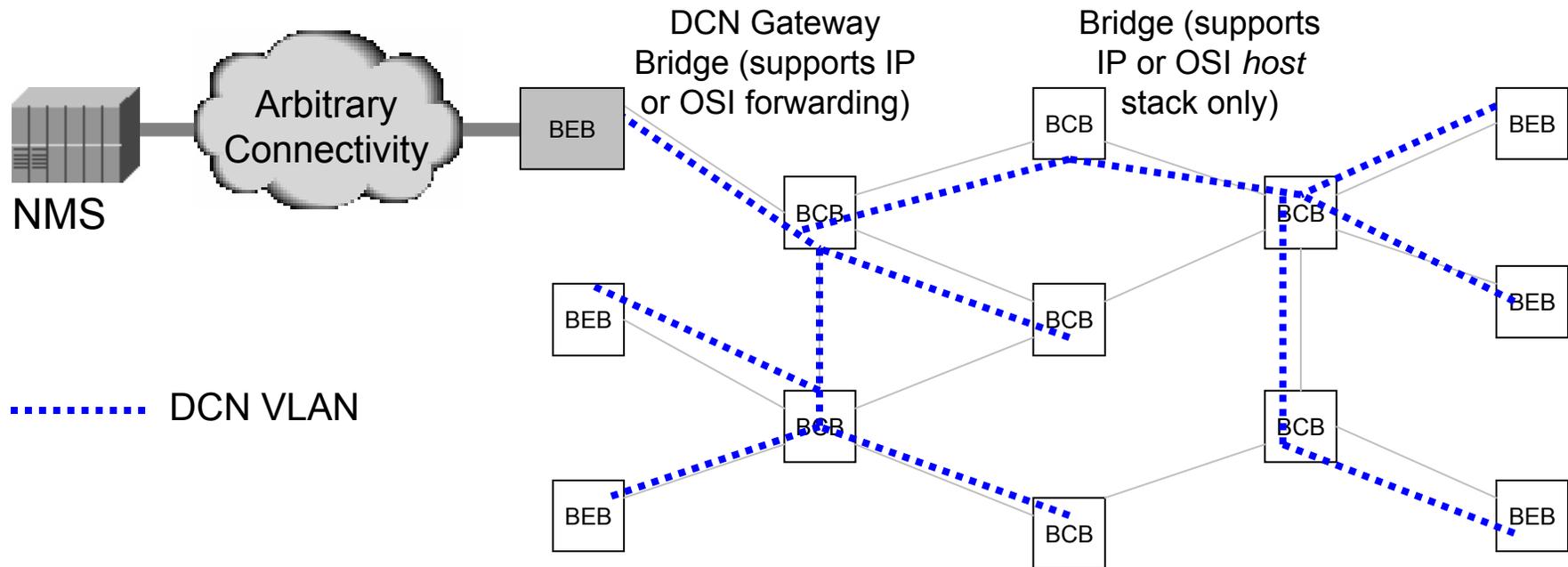
DCN *essential* in SONET/SDH Transport

Eliminate P2P Channel between each NE and GW-NE (IP or OSI routing at intermediate NEs).



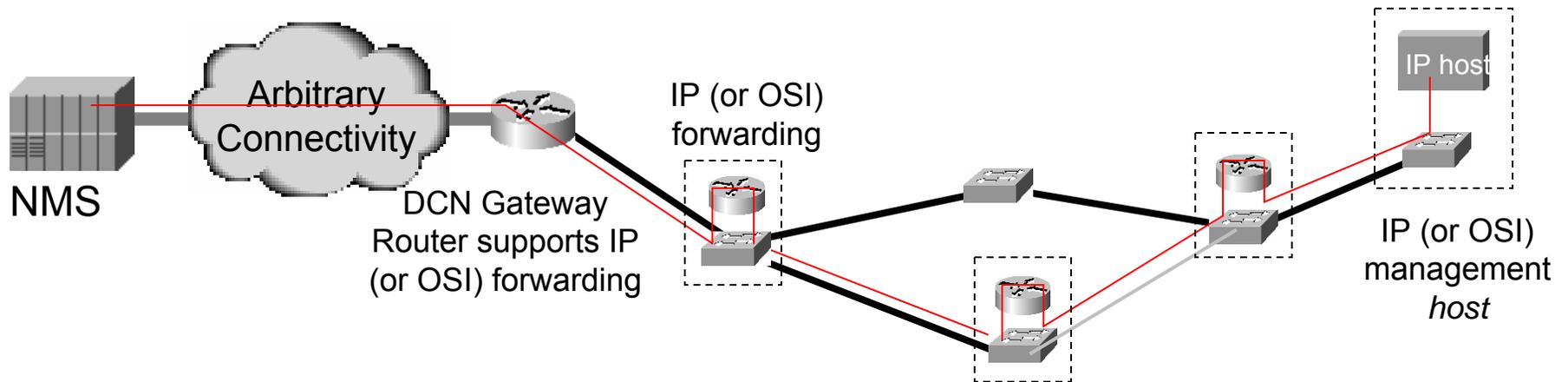
- NE attached to OSS via Data Communications Network (DCN)
- Key advantage: No need for N distinct P2P channels to GW

DCN similarly required for PBB-TE, and useful also for PB and PBB

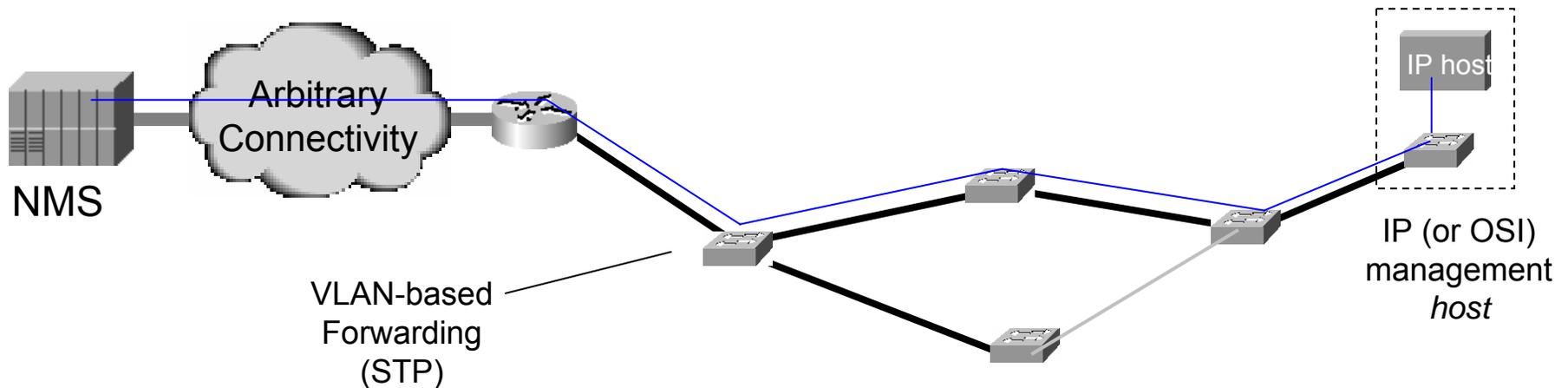


- DCN VLAN protocol *already* available in bridge
 - introduce 'consistent' VID value
- No need for IP or OSI forwarding stack
 - except in GW Bridge(s)
 - but still need IP or OSI *host* stack in all bridges
 - this is proposed as an *option*

DCN: Routed or VLAN-based?



- Red DCN VLAN terminated by routing function at each bridge; no need for VID consistency
- Blue DCN VLAN spans Bridged LAN; VID consistency required



- VLAN-based DCN avoids overhead of router path
- Requires consistency of VID assignment