

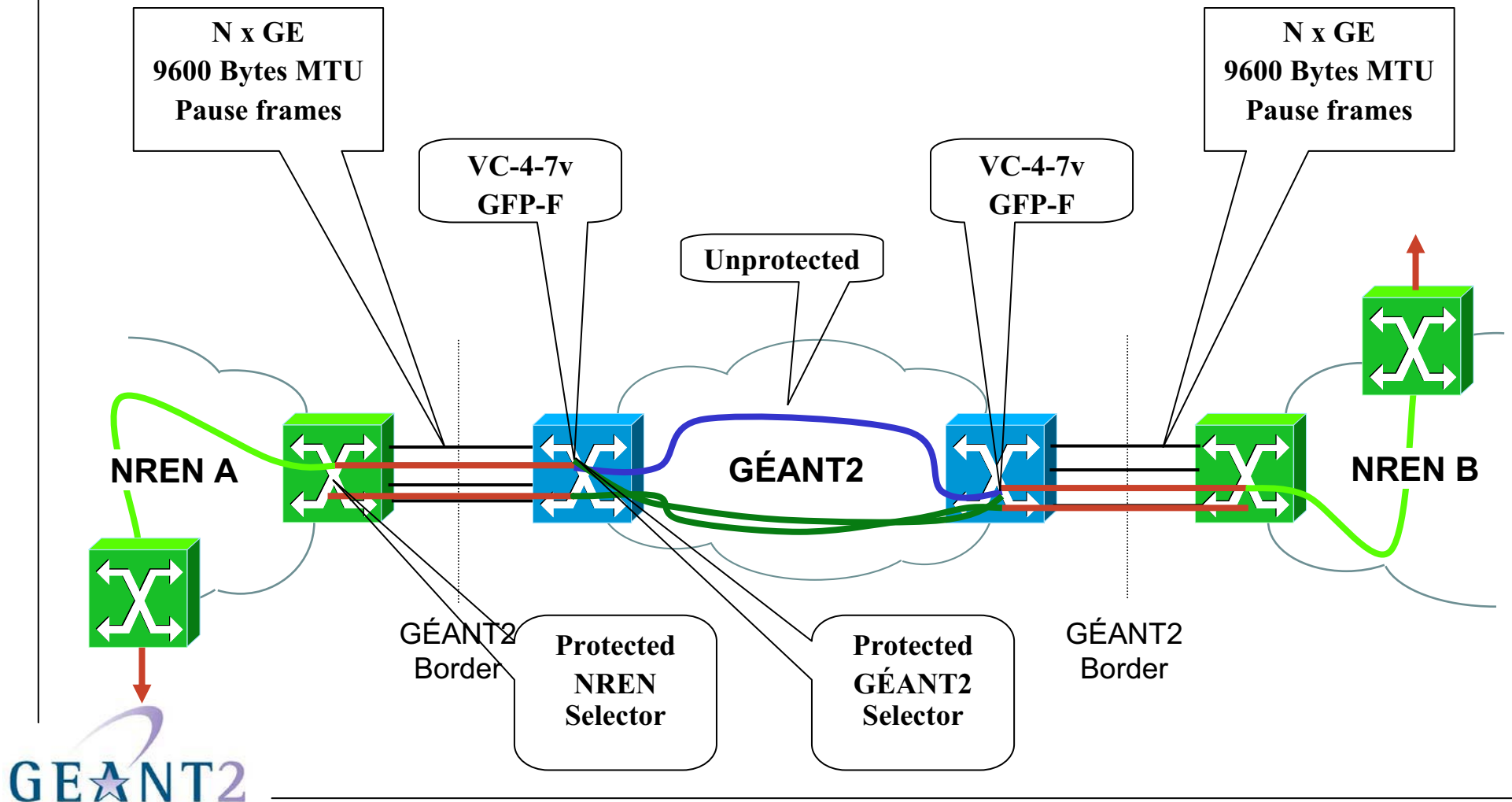
Services

Headlines

- Continue to support usual IP services
 - BE, LBE, PIP, mcast (v4), v6, mcast (v6)
- Enhance these with:
 - implementation of new features as required and available
 - e.g. embedded RP for IPv6mcast
 - improved performance monitoring (JRA1 & SA3)
 - more automated PIP provisioning (SA3)
 - network security best practice (JRA2)
- Continue to support emulated L2 P2P services
 - L2VPNs for lower capacity [“lightpath”] support
- Add portfolio of new L1 and L2 P2P services
 - cost-effective support for high-capacity [“lightpath”] services
 - up to 10G (for now)
 - emphasis placed on support for Ethernet framing
 - experiment with translational P2P service support
 - e.g. native gigE to GFP VC-4-7v over SDH
 - experiment with support for various protection modes

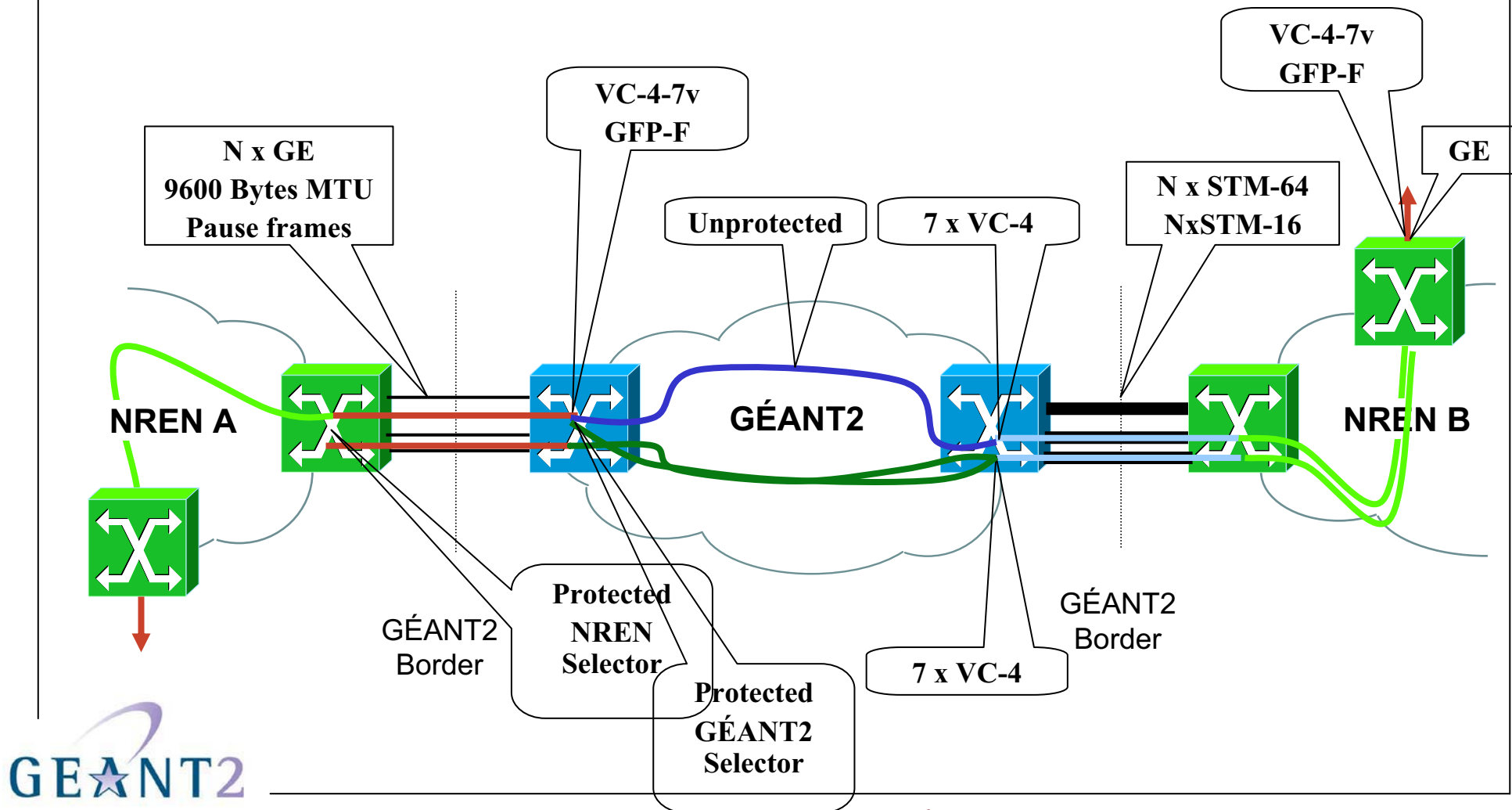
P2P GigE (Option 1)

(GÉANT2 borders: physical GigE)



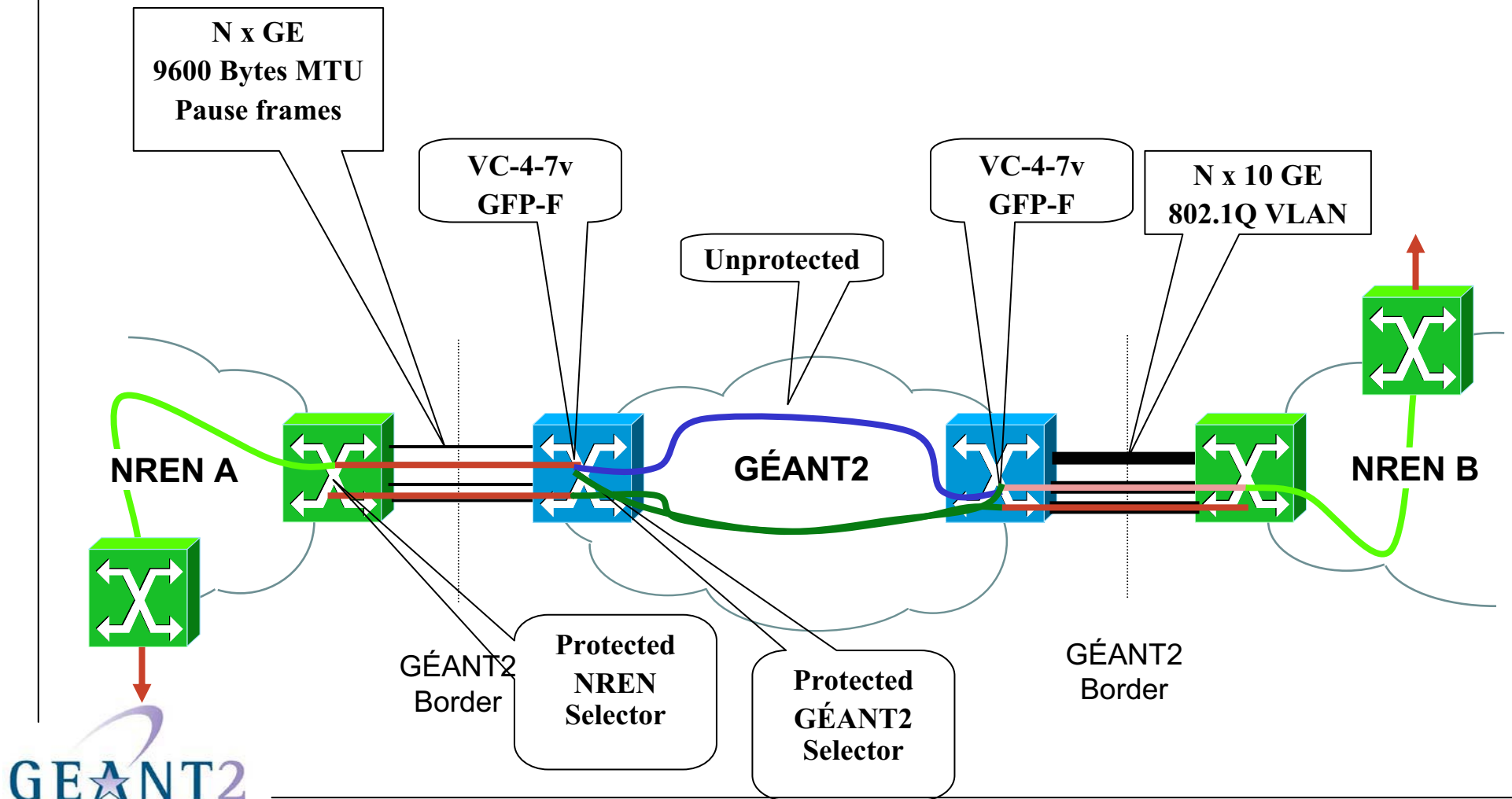
P2P GigE (Option 2)

(GÉANT2 borders: physical GigE – STM-16 or 64)



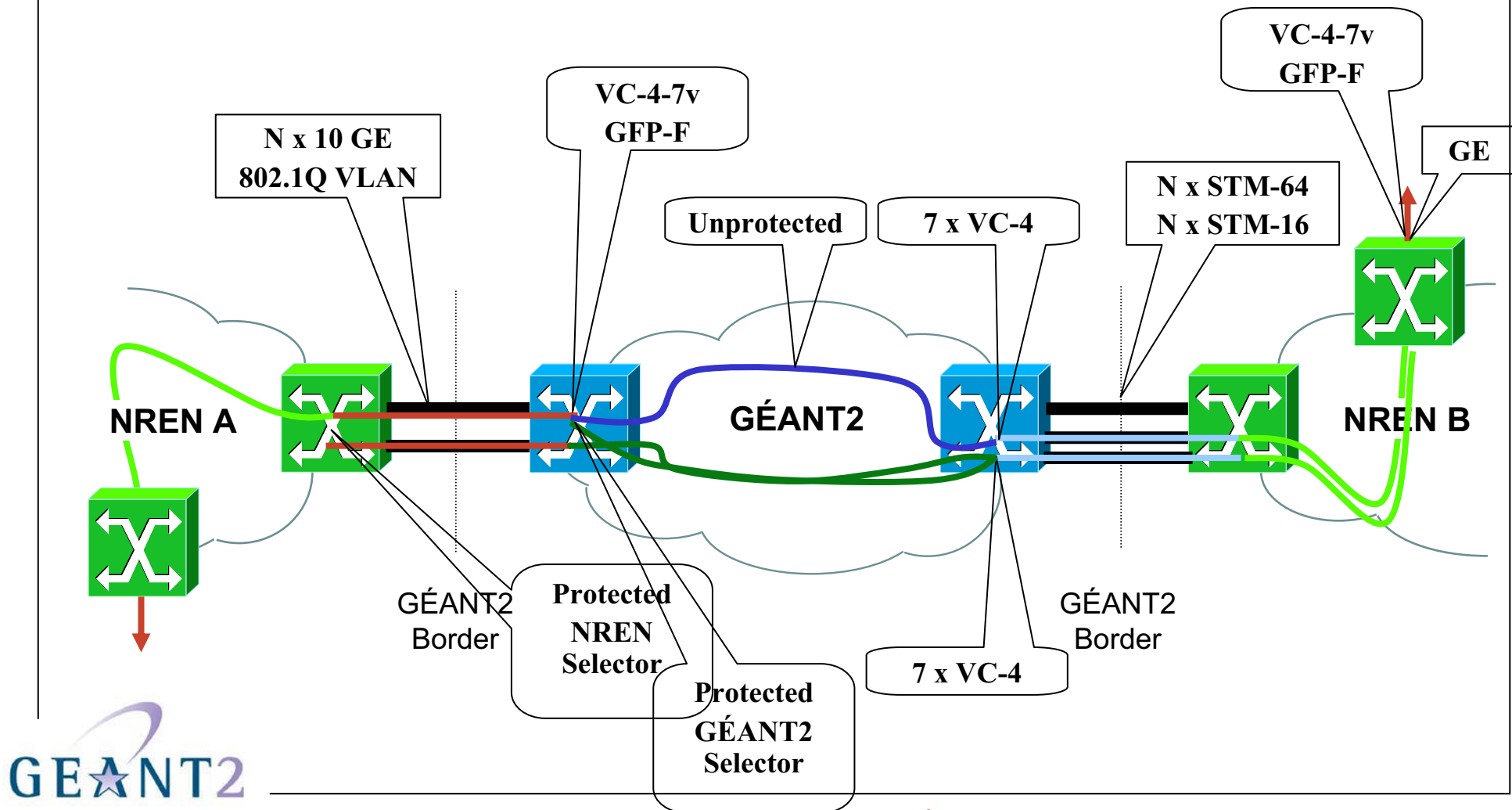
P2P GigE (Option 3)

(GÉANT2 borders: physical GigE – physical 10GigE)



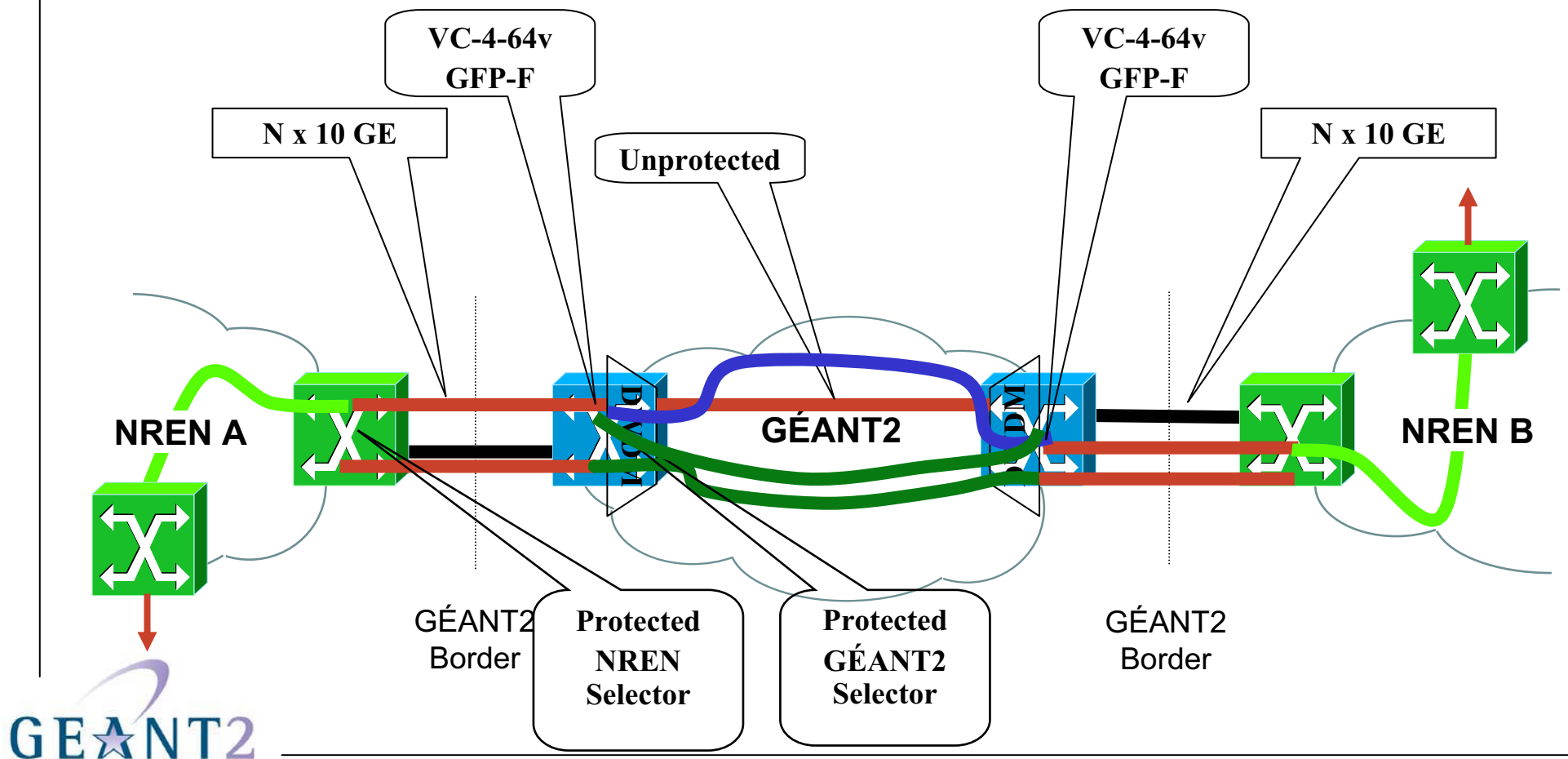
P2P GigE (Option 4)

(GÉANT2 borders: physical 10GigE – STM-16 or 64)



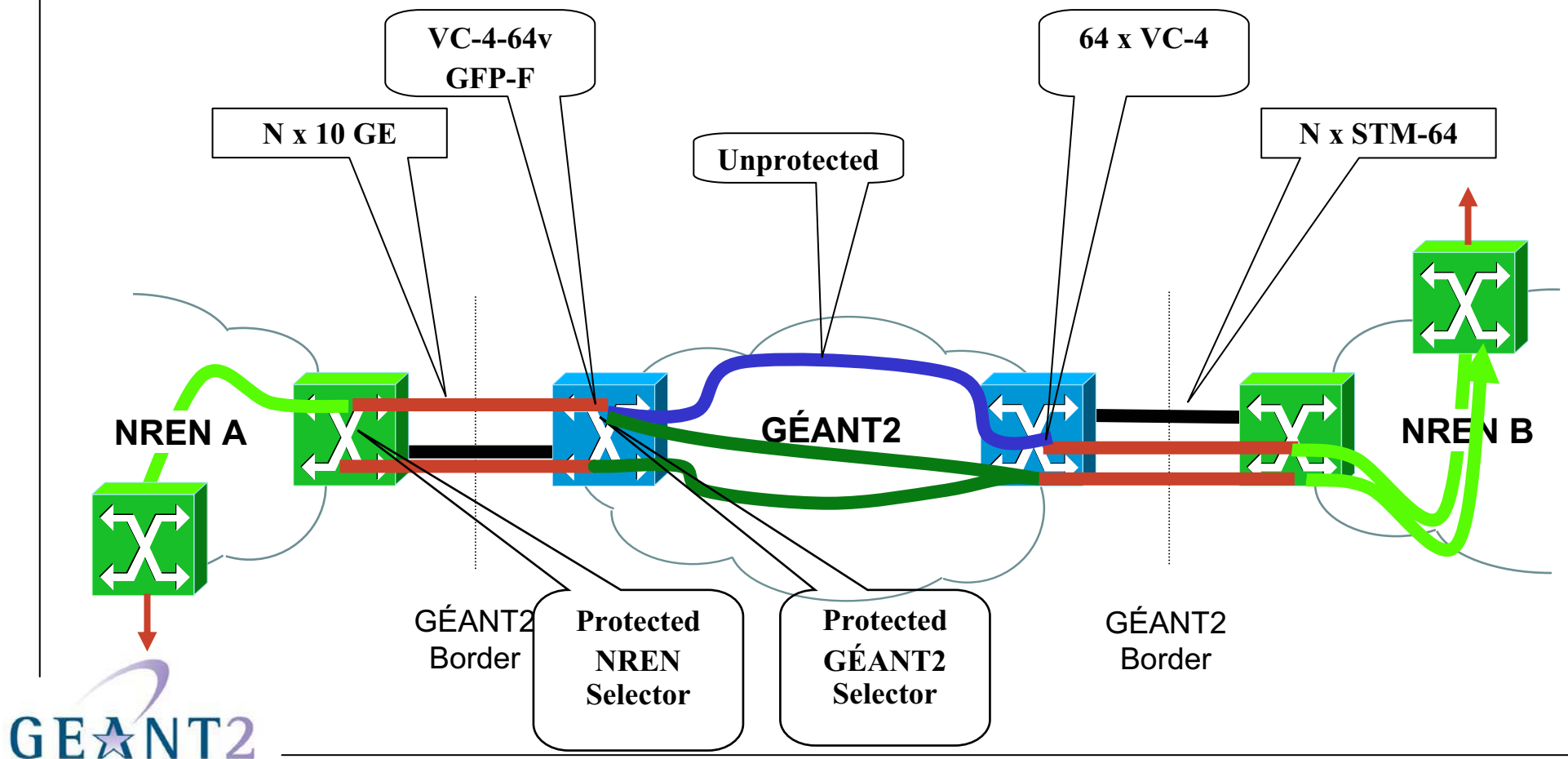
P2P 10GigE (Option 1)

(GÉANT borders: physical 10GigE – physical 10GigE)



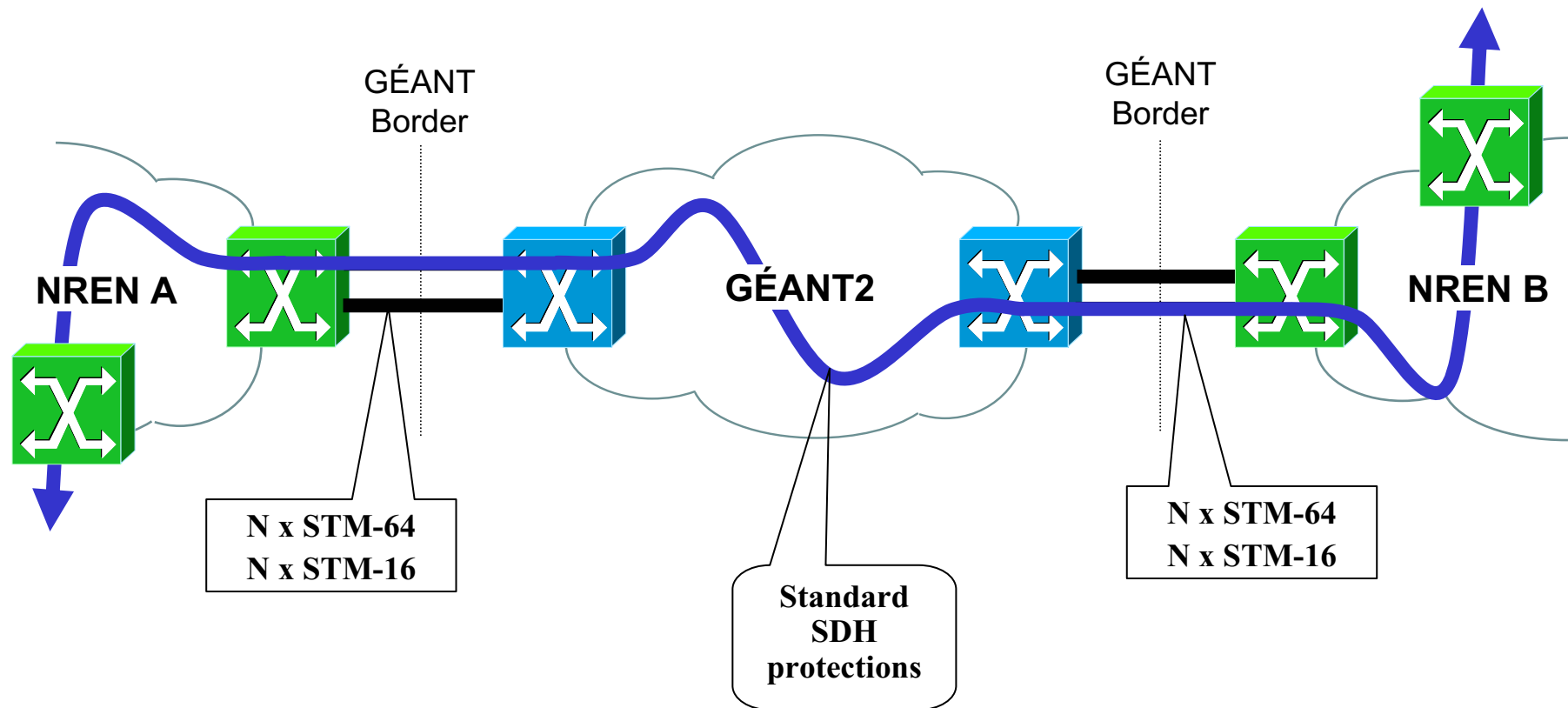
P2P 10GigE (Option 2)

(GÉANT borders: physical 10GigE – physical STM-64)



SDH

(GÉANT borders: STM-16/64 – STM-16/64)



Questions ?