



FC-BB-6 Developments

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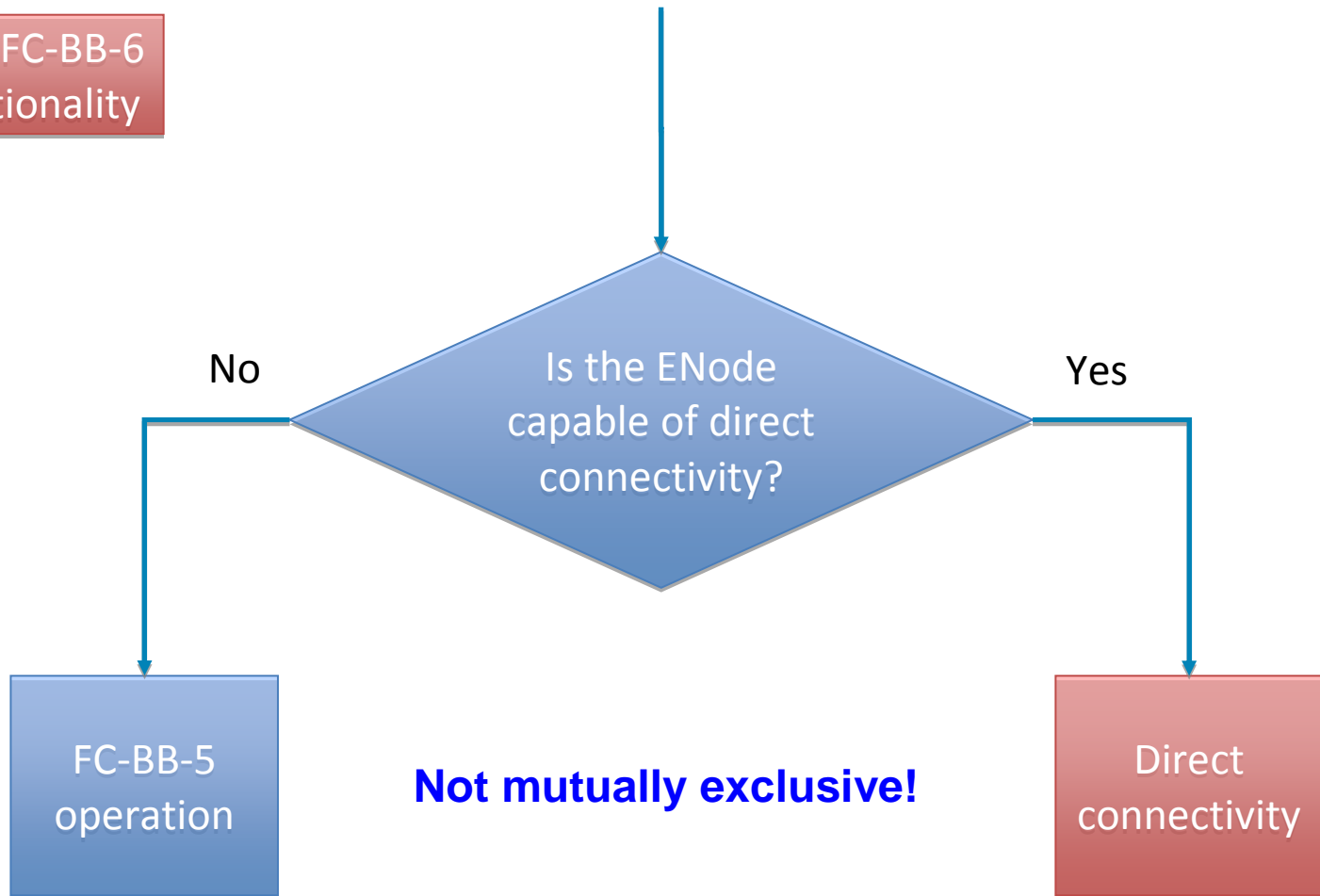
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Considerations

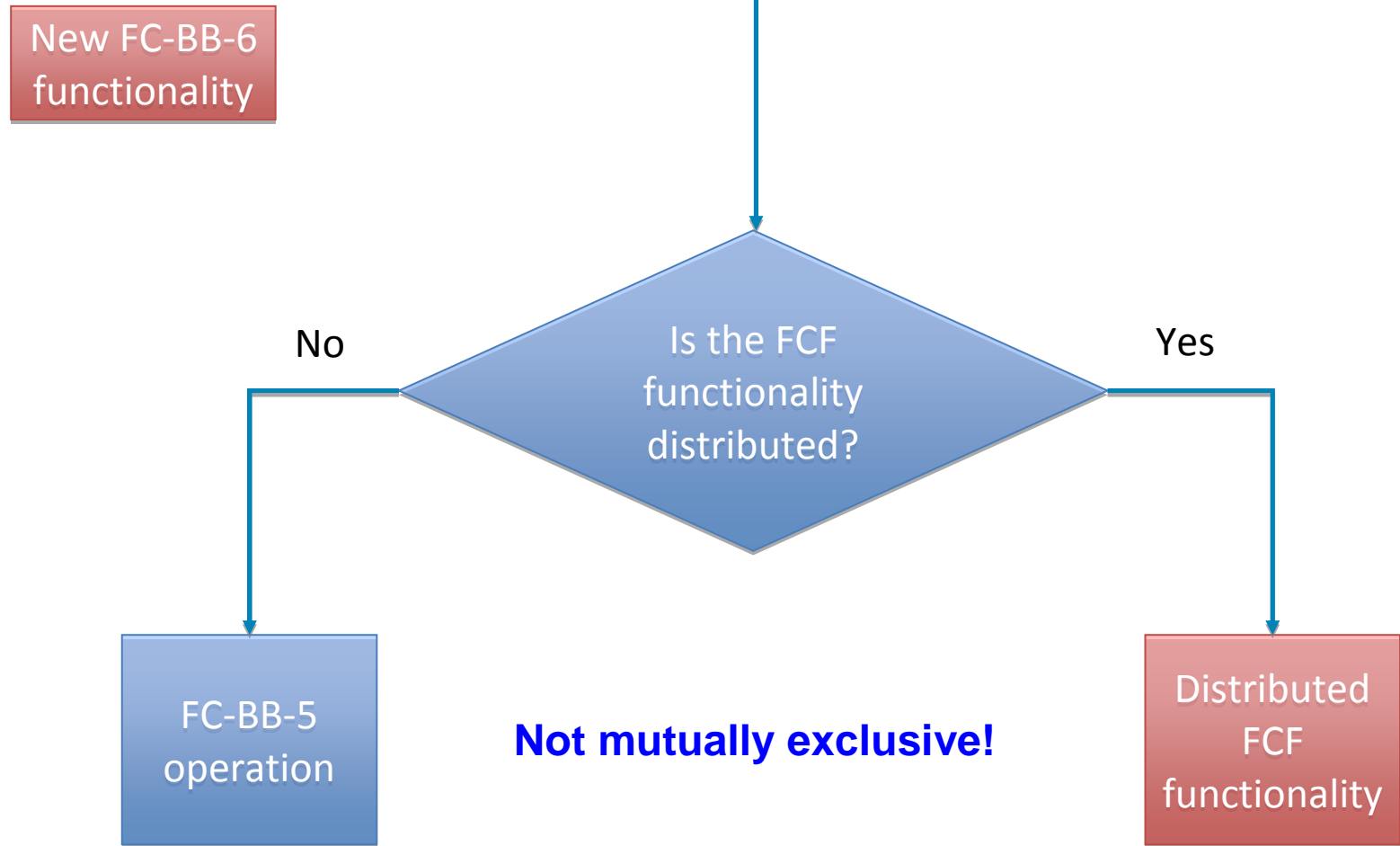
- **FC-BB-5 defined VN_Port to VF_Port Virtual Links**
- **FC-BB-6 can define Direct Connectivity through a new type of Virtual Link (VN_Port to VN_Port)**
 - Equivalent to FC point-to-point links**
 - An ENode may support concurrently both types of Virtual Links**
- **FC-BB-6 can define Distributed FCF Functionality by keeping the VN_Port to VF_Port Virtual Links as defined in FC-BB-5**
 - Equivalent to FC Fabric links**
 - An FCF may support concurrently both FC-BB-5 and distributed operations**
- **Do not change the FC-BB-5 VN_Port to VF_Port operations!**

FC-BB-6 ENode Logic

New FC-BB-6
functionality



FC-BB-6 FCF Logic



Direct Connectivity

- **FCF-less operation**

 - FIP Extensions

- **Requires FC-BB-6 functionality on ENodes**

- **Network only guarantees lossless**

- **No Fibre Channel Fabric services**

- **No zoning (neither soft nor hard)**

 - Security is delegated to and enforced by ENodes**

Distributed FCF Functionality

- **Previously known as Proxy-based or FPP-based**
- **FCF is present**
 - Fibre Channel Fabric services are available**
- **Requires FC-BB-6 functionality on FCF and FPP**
- **No changes to ENodes**
- **Network guarantees lossless**
- **Hard and Soft zoning are enforceable by the network**

The security model is as in native Fibre Channel

Thank You