

HVDC Network Code – Technical Workshop

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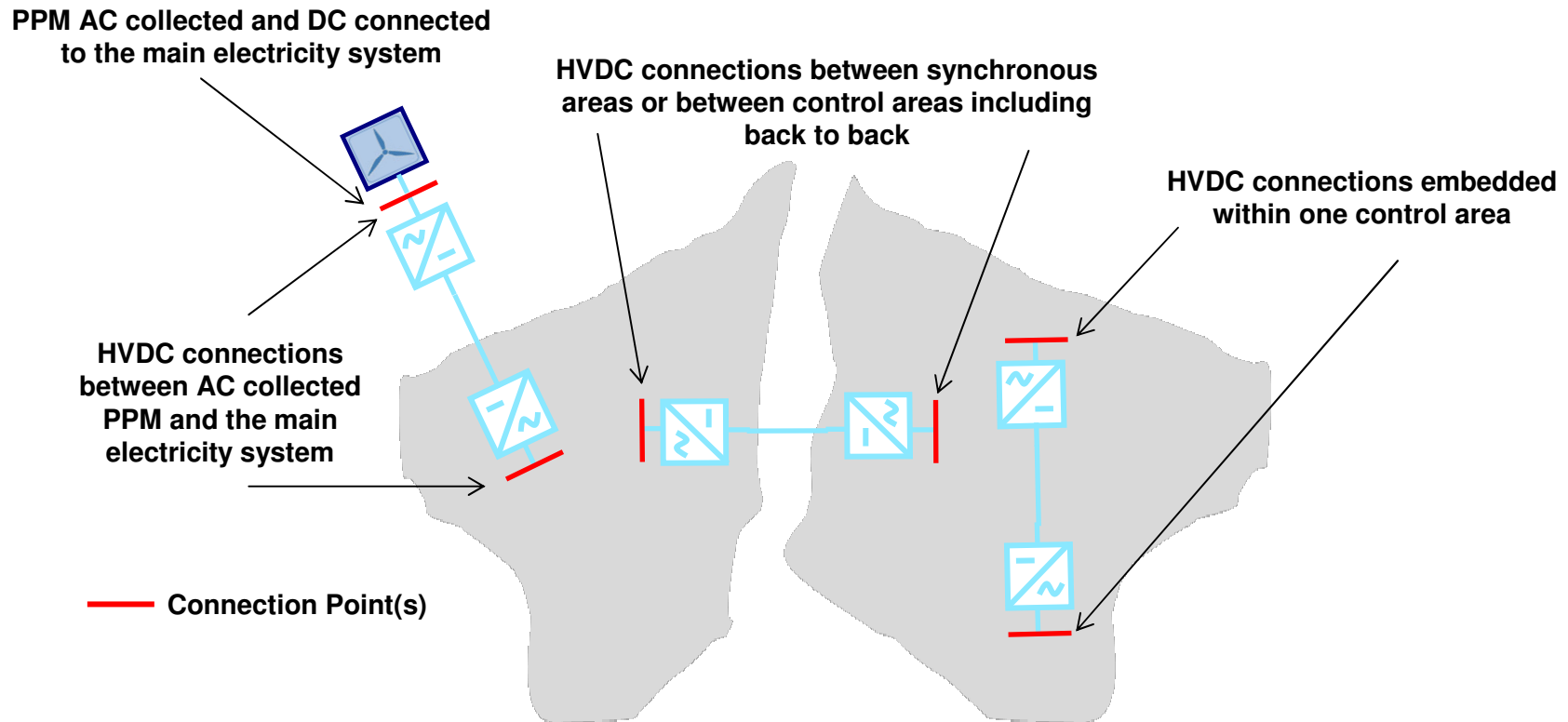
Basis for the HVDC code

- From ACER
 - Apply to Significant Grid Users in transmission or distribution networks
 - Apply to existing and new significant grid users
 - Requirements are the minimum to be met
- From EU
 - Promote integration of electricity market
 - Increase security of supply
 - Increase penetration of RES
 - Consistent with other network codes
 - Harmonisation of requirements
- From ENTSO-E
 - Requirements based on system needs
 - Should not favour nor discriminate against technology
 - Requirements placed on AC side
 - Consider long term development of the network

HVDC code applies to

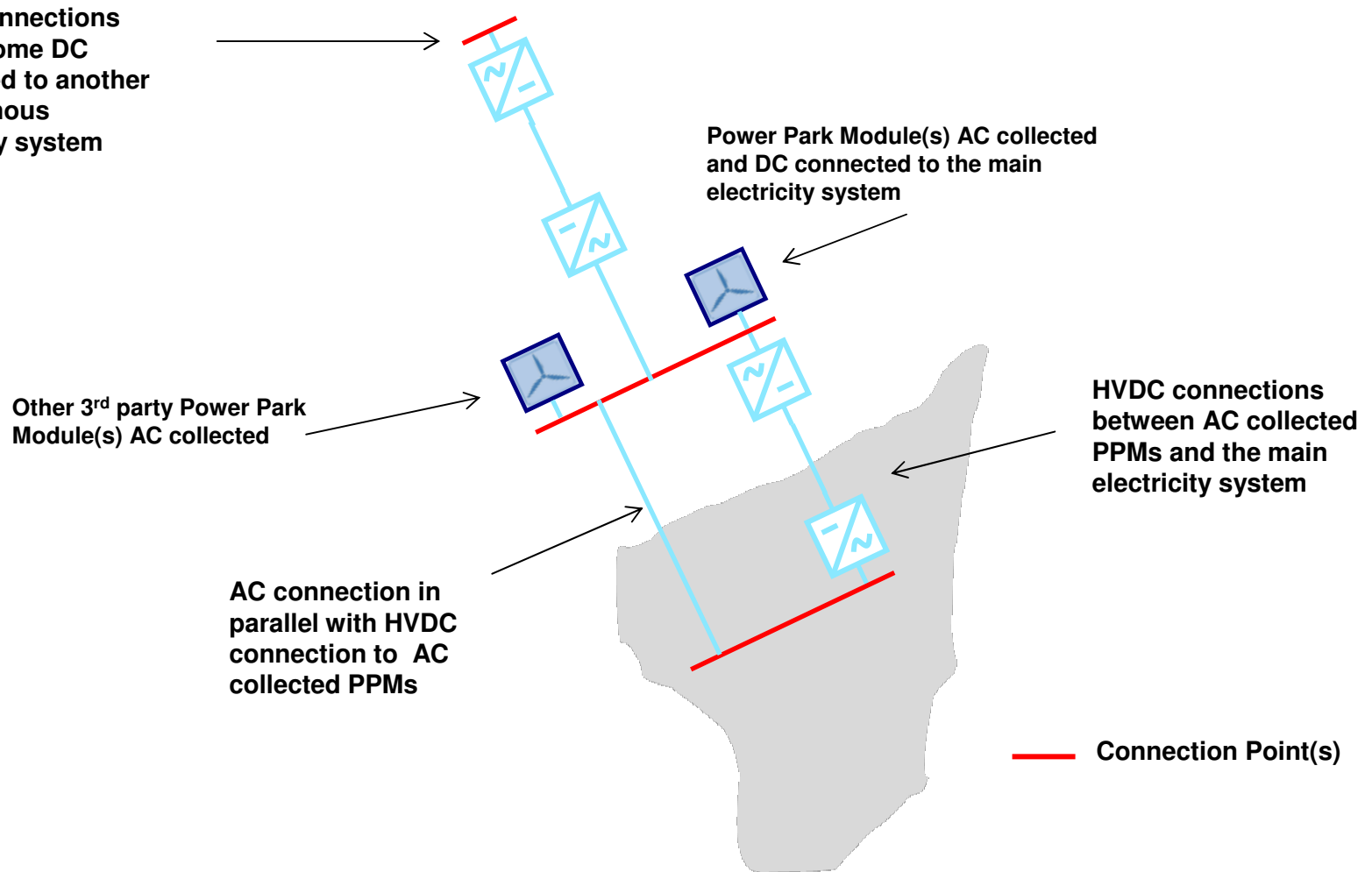
- HVDC connections between synchronous zones
- HVDC connections within or between control areas connected to the Transmission system
- HVDC connections embedded within a control area in a Distribution System if cross-border impact is demonstrated
- HVDC connections connecting to PPMs
- PPMs which are AC collected but DC connected to a synchronous area

Significant Grid Users



DC Connected PPMs

HVDC connections may become DC connected to another synchronous electricity system



HVDC code drafting

- Concentrate on technical requirements
- Consider longer term development of network
- Meet timescale for delivery
- Align with other codes, especially with RfG
- Code invariably contains:
 - Grammatical and editorial errors – for most DT members English is not their first language
 - Unintentional ambiguity
 - Some Articles being more well developed and thought through than others