

# Paris Session 2022



## Substation Equipment Overstress Management

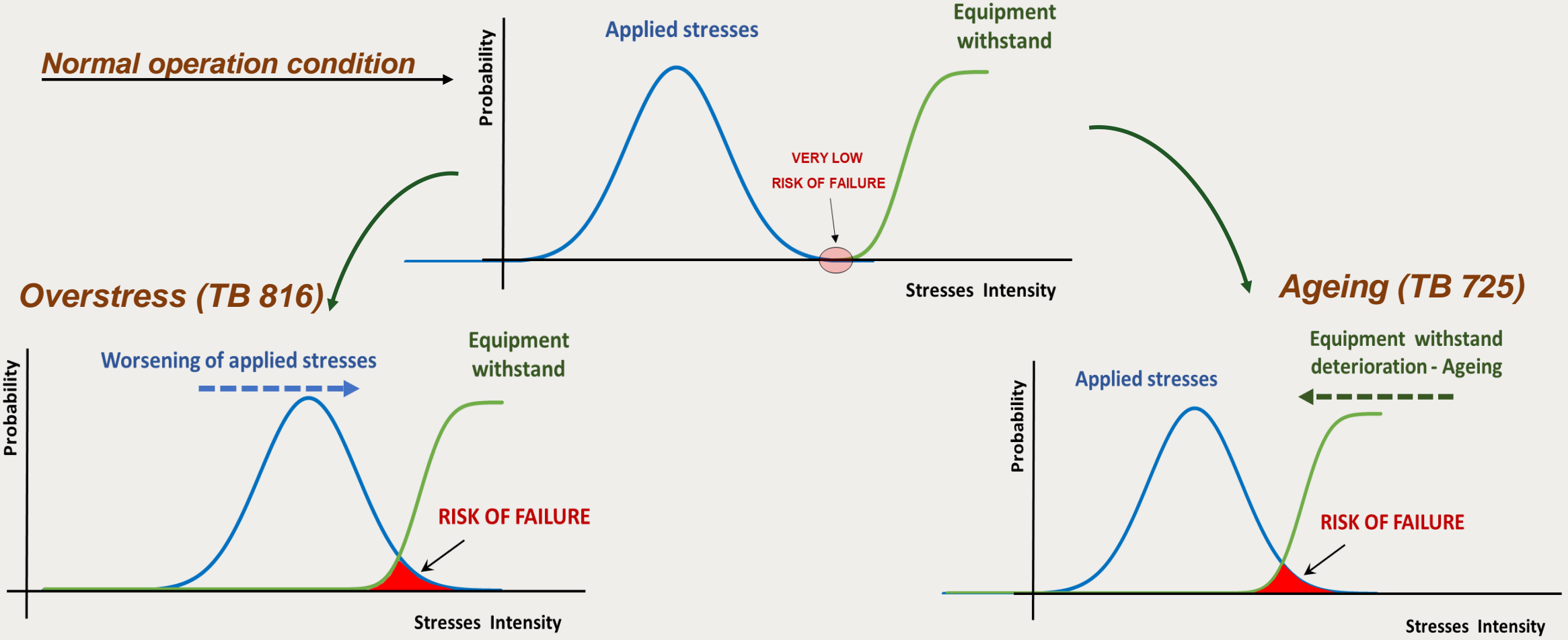
### SC A3 - Transmission and Distribution Equipment

*PS 1: Q5: Can other long-term users of equipment installed in adverse climatic conditions with composite insulators also share their experiences, including HVDC composite insulators?*

Antonio Carvalho – Brazil  
*(on the behalf of WG A3.30)*



# Substation Equipment Overstress Management - CIGRE TB 816 (WG A3.30)



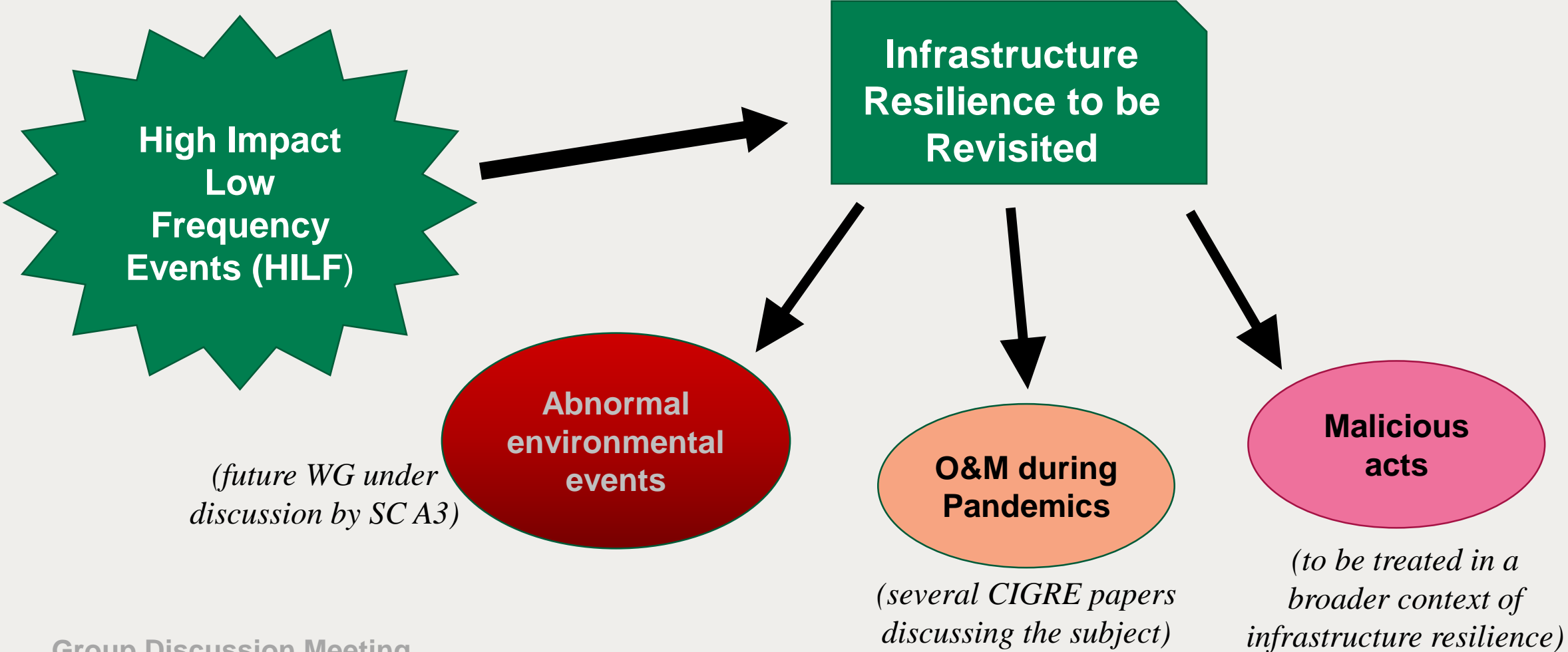
Group Discussion Meeting

# Substation Equipment Overstress Management - CIGRE TB 816 (WG A3.30)

- **Main contents of TB 816:**
  - presents the main kinds of overstress applied to HV equipment
  - summarizes how utility can check for possible overstresses
  - adapt asset management process to mitigate overstress consequences
- **Future investigation needs identified by WG A3.30:**
  - Operation voltage above ratings (*JWG A3/A2/A1/B1.44 - Consequence of High Voltage Equipment operating exceeding highest system voltages*)
  - Controlled switching for MV switchgear (*future WG under discussion by SC A3*)
  - Instrument transformers performance (*WG A3.42 - Failure Analysis and Risk Mitigation for Recent Incidents of AIS Instrument Transformers*)
  - **Overstress due to pandemic, abnormal environmental events and malicious acts**

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• *New aspect coming up:*



Group Discussion Meeting

***Thank You!***

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