

Paris Session 2022



IEC 61850 Principles and Applications to Electric Power System

SC B5 PS2 Question 2.02: Application of Emerging Technology for PACS

Q2.02 What are the expected benefits of using digital substation concepts and how to meet these benefits during industrial application

Nirmal NAIR, New Zealand



UNIVERSITY OF
AUCKLAND
Waipapa Taumata Rau
NEW ZEALAND

IEC 61850 as Digital Substation Enabler

- This contribution based on recently published CIGRE B5 Green Book
- To answer question 2.02, check out the introductory chapters of this green book.
- The Chapter on Applying IEC 61580 beyond substation have details around examples of this technology being adopted and reaching maturity levels in railways traction, hydro generation plants and wind-farm standard PACS design.
- Several emerging applications like HVDC, Electric Vehicle, Batteries etc. still in R&D but reaching maturity through standardization has also been identified.

Group Discussion Meeting

