

# Paris Session 2022



## EXPERIENCE OF DEVELOPMENT AND IMPLEMENTATION OF SOMS (SYSTEM OPERATION MANAGEMENT SOFTWARE)

C2 - Power System Operation and Control

PS1 - System Control Room Preparedness: Today and in the Future

Question 1.2:

The training of a control room operator is essential to enable them to be exposed to situations that rarely occur in real-life. However, in these extraordinary events the psychological pressure can affect the decision process of an operator, how can these conditions be replicated on a simulator?

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# Answer

- Actions/Decisions taken by respective control room operators under past critical events, time frame of such events , data & voice recording, email exchanges, external supports etc. during such events and subsequent result may be documented.
- These actions / result, past performance under different event, number of training attended, number of mock exercise participation, experience in control room, certificate & degree, physical fitness, medical history, behavioral interaction with colleagues, social interactions, psychological parameters/assessment as recommended by expert psychologist, marital status, family oriented responsibility, networking etc. can be taken as inputs for artificial intelligence based tools. These inputs would train the model and may provide suitable results to successfully handle any circumstances.