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**Bridging the gap between operational planning and operation**

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Abstract

Present day management of system security generally depends upon a mix of deterministic approaches and operational experience/judgement. That is, system security criteria are currently applied by planning to meet a combination of deterministic rules (e.g. the N-1 principle, or the use of dimensioning faults). Yet operational staff must handle unplanned events based on guidelines as well as their experience, judgement and risk appetite. This presentation will discuss the present gap between best-practice risk management with the day-to-day risk-based decision making made by operational staff.

First, we present examples of how risk-based decisions are made in existing procedures, based on experience in operation of the British and Icelandic transmission networks. Next, we describe the potential issues with operating in this manner. Finally, we propose some potential future steps that TSO's can take to alleviate these issues, and how they may improve transparency and consistency of control room processes.

This presentation will highlight some opportunities for TSOs to improve work procedures and underline some significant gaps in existing and proposed operational planning methods.

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