

Short Circuit

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Liaison Group – February 2014



Recap



- Presented at Liaison Group In Nov 2013
- Proposal to Remove a Large No of Short Circuit Associations
- Using Spare Capacity means some generators with Remaining Associations may be permitted to connect before all their short circuit reinforcements are complete
- But studies were ongoing
 - Acceptance of Offers in Gate 3 / Latest Network Information



Studies Now Completed



- Findings Confirmed
- Propose to Remove approx 80% of short circuit associations



Technical Bases for Removing Short Circuit Associations



- Reinforcements Completed in 2013
- Projected Short Circuit Levels now a little lower
 - Transmission Reinforcements now not needed
 - Windfarm Assumed Data to Actual Data
 - Generators with offers that did not progress
- Alignment of Associations with Reinforcement Optimisation
- Better Understanding of Generator Contributions
- Application of a Threshold

Summary of Findings

BEFORE



SHORT CIRCUIT REINFORCEMENT STATIONS *18*

GENERATORS
146

(41 TSO, 105 DSO)

*EACH GENERATOR ASSOCIATED
WITH*

*4.6 SHORT CIRCUIT
REINFORCEMENT STATIONS
ON AVERAGE*



AFTER



SHORT CIRCUIT REINFORCEMENT STATIONS 8

GENERATORS
33

(19 TSO, 14 DSO)

***EACH GENERATOR ASSOCIATED
WITH***

***1.3 SHORT CIRCUIT
REINFORCEMENT STATIONS
ON AVERAGE***



GUIDANCE FOR GENERATORS WITH REMAINING SHORT CIRCUIT ASSOCIATIONS

Generator Connections and Short Circuit Reinforcement



- Majority of Generators are expected to be able to connect without delay due to short circuit reinforcement considerations
- Indications are that Short Circuit Reinforcements are on a Critical Path in one or two situations
- There are a limited number of generators for whom this may be an issue

POLICY AND PROCESS CLARIFICATIONS



- Are generators competing for access?
- Would somebody have a connection delayed?
- Which, if any, generators get held non firm pending the completion of their associated short circuit reinforcements?

Next Steps



- Communicate Revised Short Circuit Associations
 - Write to Generators by end April 2014
- Publish Quarterly Update – Reinforcement Delivery Dates
 - End April 2014
- Consultation on Aspects of Policy and Process with respect to Short Circuit for allowing people to connect