Frequency Response Options

Malcolm Arthur, 8th July 2010



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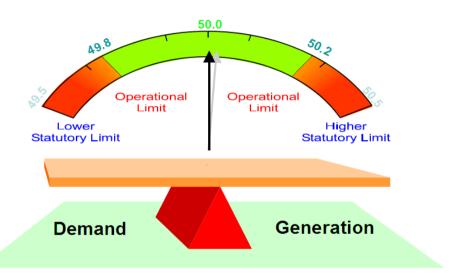
Main themes of options

- Responsibility for maintaining system frequency
- Is an obligation required?
- Should requirements be tradable?



Responsibility for maintaining system frequency

- Current obligation to maintain frequency is with the SO
- How can this obligation be in place without the ability to provide response volumes?
- Could maintaining frequency levels obligation be transferred to other party / parties?





Is a Grid Code obligation required?

- How does the SO maintain frequency without Grid Code obligation on system users?
 - Remove / move obligation i.e. obligation is a reasonable endeavours to maintain
 - Self provide response
- No obligation has a much higher potential to result in response volume deficit resulting in security issues



Should requirements be tradable?

- Some benefits to providers
- Requires improved monitoring of response delivery
- Requires improved 'market' management tools
 - Who is providing on behalf of who?
 - Who is in 'response imbalance'?
 - Who is residual response balancer?
 - What would happen to costs?



My Conclusion

As long as SO has an obligation to maintain frequency, Grid Code obligation is required

Alternative is for SO to self provide response volumes

Tradable capability / delivery can provide some benefits but also requires an increase in monitoring and market complexity



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