

Public

Skips behind Constraint Webinar

Q&A Document

| Serial Number | Question | Answer |
|---------------|---|--|
| 1 | Do you collect data on how much of the 5% buffer is used in real time to assess if the 5% buffer is an appropriate size? If so, can you publish this data or as a minimum an example? Should term overload rating be used instead of reducing transfer capacities by 5% all the time? | This is an indicative figure that we are using for modelling purposes. In reality the control room will manage constraints to different levels around the limit based on operational conditions. |
| 2 | Are you only considering BM volumes on one side of the constraint, excluding replacement energy? I.e. the bids behind export constraints, and the offers behind import constraints? Or does this analysis also include skips within replacement energy on the other side of the constraint? | Yes, this method only looks at the system actions taken to manage the active thermal constraint, as replacement energy is covered in the existing energy method. |
| 3 | Will you also publish a mapping of BMU to constraint boundary? | There is an ongoing internal review to look at whether we can publish more constraint data. |
| 4 | Is there appetite at NESO to consider local thermal constraints? e.g. individual circuits | Yes, this methodology will consider all active thermal constraints, not just those that are mentioned in existing datasets/publications. |
| 5 | How will you manage nested constraints within boundaries? | Nested constraints are considered beginning with the most constrained group, moving out to the least constrained group, in line with ENCC assessment of constraints. Further explanation can be found in the slides of this webinar. |
| 6 | Thank you for your response r.e. mapping bmus to constraints. Could you elaborate on what the "security concerns" are? | Active thermal constraints on localised constraint boundaries can represent weaknesses in the network. |



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| 7 | Will NESO eventually look at skips related to other constraints such as voltage related constraints? This makes up a decent amount of volume aside from thermal. | <p>Currently this project assesses only thermal constraints, as these make up the majority of constraint costs, but we recognise that this is a requested area of further analysis.</p> <p>Voltage actions are typically very localised and don't sit within a defined area in the same way as thermal constraint boundaries. This makes it very challenging to assess which other actions could have been taken to manage the voltage requirement.</p> |
| 8 | How will NESO use the data on skip rates behind constraints to improve the dispatch decisions? | Measuring skip rates behind constraints will give us visibility on when skips occur and which units are skipped. We will then be able to assess whether these skips occur for a justified operational reason and provide transparency to industry, or identify system/process improvements that can improve dispatch decisions. |
| 9 | Will the data be published on weekly or daily granularity? | We would like to publish data with as much temporal granularity as possible, but we are still working through internal security processes to understand exactly what is feasible. |

