



East-Anglia Constraint Management Intertrip Service 'Interim'

Industry Consultation

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Introduction: Constraint Management Intertrip Service (CMIS)

(formally known as the Constraint Management Pathfinder)

EC5 CMIS

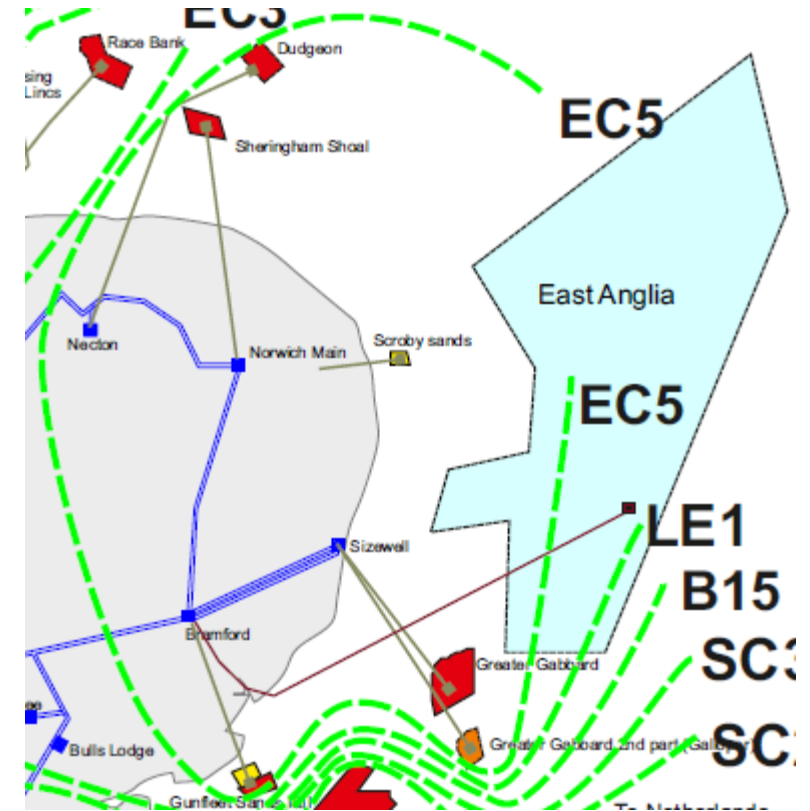
The EC5 Constraint Management Intertrip Service (CMIS) aims to reduce network congestion costs in the East Anglian (EC5) region by building post-fault intertrip links between generation across the East Anglia region and the East Anglia Operational Tripping Scheme (EAOTS). By doing so, the ENCC can facilitate more power to flow on the existing transmission infrastructure pre-fault, thus reducing the amount of generation being curtailed pre-emptively when the expected flow exceeds the current capability of the circuits.

Previous CMIS Projects

The ESO has already successfully awarded two previous CMIS tenders that are easing congestion across the B6 Anglo-Scottish boundary. The first of these contracts went live in April 22 and succeeded in saving the consumer **£80m** in constraint costs over the first ten months.

EC5 'Interim' Consultation

This consultation is open to any parties that wish to provide feedback on the EC5 CMIS 'Interim'.



EC5 CMIS 'Interim' Contract Rationale

- The ESO will be launching a market wide tender in Q2-2023, that will aim to contract for an EC5 CMIS service to begin in 2025.
- The Project Team are currently in the design phase of the tender and have identified that there is a value opportunity to begin the service early (i.e. set up 'interim' contracts). Please note, these 'Interim' contract terms and conditions are specific to 'Interim' service and a new contract will be developed for the market wide tender.
- As the Service Specification is still being designed (see next slide), the ESO have decided to limit the parties that will be able to join the 'Interim' service to:

| Requirement | Reason |
|--|--|
| Generators that are already connected to the NGET East Anglia Operational Tripping Scheme (EAOTS). | It can take up to two years to complete: <ul style="list-style-type: none">• The NGET EAOTS upgrades• The generator intertrip connections |

- Please note, this does not preclude other EC5 generators from joining the full market EC5 CMIS tender in any way.
- The ESO has contacted the parties that are already connected to the EAOTS to discuss the EC5 CMIS 'Interim' tender process. However, if your organisation has an EAOTS connection in place and has not yet been contacted, please email box.cmp@nationalgrideso.com.

EC5 CMIS Service Specification Topics Under Review

| Topic | Explanation |
|---------------------------|---|
| Tripping | <ul style="list-style-type: none">• Control Room instructions• Pricing structure: de-load v trip |
| New Generator Connections | <ul style="list-style-type: none">• Feasibility studies• Requirements• Costs to connect |
| Ensuring Consumer Value | <ul style="list-style-type: none">• Connecting appropriate number of generators• Monthly re-pricing mechanism |
| Offshore Wind | <ul style="list-style-type: none">• Enabling stability timescales (sub 150ms)• Mitigating effect on Offshore Transmission Owners (OFTOs) |
| Contract | <ul style="list-style-type: none">• Structure• Strategy |

EC5 'Interim' Market Service Question:

Background:

- The 'Interim' service will only use generators that are already connected to the East Anglian Operational Tripping Scheme (EAOTS) because it can take up to two years to complete the required upgrades to the EAOTS and for generators to connect into the service.
- Parties will get the same intertripping commands as their existing Operational Tripping Scheme arrangement.
- The majority of EC5 'Interim' Market generators have connections that will instruct to de-load within 10 seconds (and then trip after 10 seconds).
- There are some parties that only have a tripping instruction.
- In the Contract Terms and Conditions, as outlined in Schedule 2: Part 3 'Prices', there are two forms of service payment, an Arming Fee and a Tripping Fee.

Question:

1. The ESO will pay a flat Tripping Fee regardless of whether a generator is instructed to de-load or trip. Is a single Tripping Fee for both actions appropriate or should there be a separate fee for instructions to de-load and for instructions that result in a trip? Please explain the rationale for your answer.

Indicative Timelines and 'Interim' Process

| Project | Stage | Start | Finish |
|------------------------------|-----------------------------|-----------|---------------|
| 'Interim' EC5 | 'Interim' Consultation | 06-Mar-23 | 9:00 3-Apr-23 |
| | Webinar | 16-Mar-23 | |
| | Tender Launch | Apr-23 | May-23 |
| | 'Interim' Contracts Signed | Jul-23 | Aug-23 |
| EC5 Tender Indicative Timing | In person Industry Workshop | May-23 | |
| | Tender Process Start | Q2-23 | |

Please note, these dates are indicative and may be subject to change.

Consultation Submission

The ESO has launched this consultation to provide all interested stakeholders with an opportunity to ask questions and provide feedback on the proposed 'Interim' service, including on;

1. The rationale of the service
2. The Service Question
3. The draft Standard Contract Terms and Conditions

The Consultation includes the following documents:

| Document | Explanation |
|--------------------------------------|--|
| 1. EC5 'Interim' Consultation Letter | <p>This letter introduces the EC5 'Interim' Consultation.</p> <p>The EC5 'Interim' Consultation Letter can be found here.</p> |
| 3. Draft Standard Contract Terms | <p>This document displays the proposed Terms and Conditions for the service. Please note, these Standard Contract Terms are specific to 'Interim' service and a new contract will be developed for the market wide tender.</p> <p>The Draft Standard Contract Terms can be found here.</p> |
| 4. Consultation Feedback Form | <p>This excel file should be populated by parties that wish to submit consultation feedback and/or questions. This needs to be returned to the ESO using the information provided in the below section.</p> <p>The Consultation Feedback Form can be found here.</p> |

Consultation Submission

Please populate the [EC5 Interim Consultation Feedback Form](#) with any comments and/or feedback and send to box.cmp@nationalgrideso.com by **9:00 on Monday 3rd April 2023.**