



Constraint Management Intertrip Service (CMIS) EC5-Enduring

Industry Consultation

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Contents

Contents
1. Introduction: Constraint Management Intertrip Service
2. Tender Procedure
3. Consultation
4. Expression of Interest: High-Level Technical Evaluation
5. Tender Period
6. Tender Evaluation: Two-Stage Approach
7. Tender Evaluation: Contract Agreement
8. Indicative Timelines and Tender Process
9. Consultation Submission

1. Introduction: Constraint Management Intertrip Service (CMIS) (formally known as the Constraint Management Pathfinder)

CMIS EC5-Enduring Tender

The CMIS EC5-Enduring tender aims to reduce network congestion costs in the East Anglian (EC5) region by building post-fault intertrip links between generation across the EC5 region and the East Anglia Operational Tripping Scheme (EAOTS). By doing so, the Electricity National Control Centre (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.

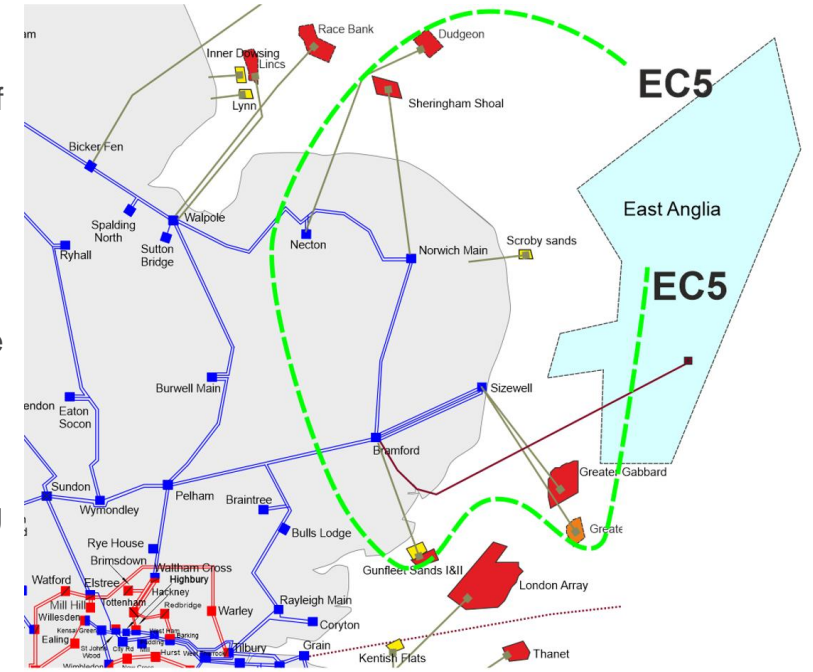
Previous CMIS Projects

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 and 140kt of CO₂ in the first 10 months.

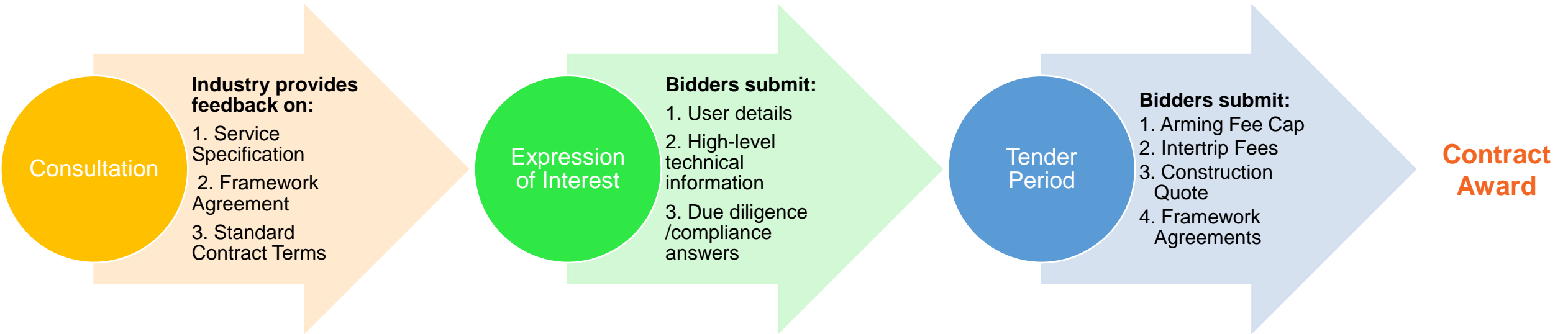
Additionally, as the CMIS EC5-Enduring service is planned to begin in April 2025, the ESO is currently tendering for an early start 'interim' EC5 service that is expected to start service at the end of 2023 (until March 2025) and is available to Users that already have a connection to the East Anglia Operational Tripping Scheme.

CMIS EC5-Enduring Consultation

This consultation is open to any parties that wish to provide feedback on the CMIS EC5-Enduring design and documents.



2. Tender Procedure



3. Consultation

- This consultation period is the opportunity for interested parties to feedback on any aspect of the ESO's proposed service, including Service Specification, Framework Agreement, and Standard Terms and Conditions.
- The Service Specification, the Framework Agreement, and the Standard Terms and Conditions have been comprehensively updated since the B6 CMP 24/25 tender to reflect the nuances of the East Anglia region and the ESO's increased understanding from the live B6 service.

It is therefore recommended that **all potential bidders** review the Service Specification and Contract, even if they have previously interacted with the service.

- After the consultation, the ESO will review the Service Specification, Framework Agreement and Standard Terms and Conditions based on industry feedback

4. Expression of Interest: High-Level Technical Evaluation

Compliance and Technical Evaluation

- Following the consultation, bidders will be invited to submit an Expression of Interest (EOI). The EOI submission will need to include responses to basic due diligence/compliance questions and high-level technical questions.
- The ESO will then evaluate the responses through ESO/TO Feasibility Studies. These will assess whether the bidder passes the basic due diligence/compliance questions and if they meet the high-level technical requirements to join the CMIS EC5-Enduring.
- These ESO/TO Feasibility Studies will check whether the User meets these key points, which include (but are not limited to):
 1. Registration (or will be registered) with the ESO Balancing Mechanism system as non-aggregated BMU Unit(s)
 2. The fast speed to receive intertrip signals from the Transmission Owner
 3. Two high-speed telecommunication channels from intertrip central controllers to remote receiving terminals
 4. An available East Anglia Operational Tripping Scheme connection by April 2028
 5. An EAOTS remote intertrip device/terminal available for the User to connect to
 6. Mitigations for any impact on other parties/intertrip schemes

5. Tender Period

Tender Submission

- Those that pass the Expression Of Interest stage will be notified that they can proceed to the tender period of the process, where they will be invited to submit:
 1. The CMIS EC5-Enduring Framework Agreement for signature (which is submitted separately to the tender using DocuSign)
 2. Their commercial tender bids i.e. Arming Fee cap and Intertrip Fees
 - Arming fee (£/MWh)
 - Intertrip fee (One off payment):
 - Bidders must provide a Tripping Fee (£/trip)
 - Optional de-load fee (£/de-load)
 3. A Construction Quote to connect to the East Anglian Operational Tripping Scheme, including: proposed solution, project plan, and cost details. A template for this is included in Appendix 1 of the Service Specification document.

6. Tender Evaluation: Two-Stage Approach (1/2)

Stage 1: The Construction Quote

The Construction Quote will be evaluated against whether it meets the following criteria:

- The requirements of the Service Specification.
- The achievability of the Project Plan.
- The justification/reasonableness of the costs.
- The requested detail has been provided.

The ESO may also request further information and/or resubmissions to clarify the Construction Quote. The decision of whether these criteria have been met is at the ESO's sole discretion and if the ESO determines that one or more of the criteria have not been met, then the User may be removed from the tender process.

Please note, the ESO intends to reimburse costs to generators to connect to the East Anglian Operational Tripping scheme once the connection works have been completed, subject to the ESO receiving appropriate invoices detailing the works completed. This approach is currently being reviewed and will be confirmed at a later stage of this tender.

6. Tender Evaluation: Two-Stage Approach (2/2)

Stage 2: Commercial Assessment

The ESO has a base requirement to procure 2.4 GWs for the CMIS EC5-Enduring, at the lowest overall cost to the consumer.

The ESO shall determine the lowest cost bidders by calculating each Users 'User Offer' (£/MWh) and then ranking these User Offers in order of cheapest to most expensive. This is done by adding:

- the Users normalised fixed costs (e.g. connection costs)
- the arming fee (£ per MWh)
- the normalised Intertrip fee (£/trip).

Please note:

- The formula for the 'User Offer' and the detailed breakdown of the formula is provided in Section 3.3 of the Service Specification.
- The Arming Fee provided by each User in the Tender process shall act as their Price Cap, meaning it cannot be increased above the price cap during the first year of the service term, but can be decreased during the year to encourage ongoing competition.
- The Intertrip Fees provided by each User in this process are fixed for the first year of the service term, meaning they cannot be changed at all from the tender submitted prices for the year.
- Contracted Users will be able to submit new Arming Price Caps and Intertrip Fees on an annual cycle, once they have provided the service for at least 12 months (see Section 1.3 'Yearly Fee Resubmission' of the Service Specification for details).

7. Tender Evaluation: Contract Agreement

CMIS EC5-Enduring Framework Agreement

- Bidders will be required to submit a signed Framework Agreement at the same time as their tender submission.
- The CMIS EC5-Enduring Framework Agreement will set out details of the provider and unit but does not in itself enable the ESO to use the unit on the CMIS EC5-Enduring.
- Instead, the outcome of any tender events shall determine the successful Users to be connected to the CMIS EC5-Enduring and be utilised during the service term.
- At the point of being notified of the tender outcome, successful Users will be bound to the CMIS EC5-Enduring Contract Terms.

CMIS EC5-Enduring Standard Contract Terms

The CMIS EC5-Enduring Contract Terms will set out the details of the service, such as payment terms, the service terms, utilisation etc.

Please note:

- The contract service term will run from April until March each year on a rolling basis (i.e. a 12 month rolling contract period).
- The ESO will notify Providers of their intention to either extend or end the service at least 3 months ahead of the year's end of service term.
- The ESO will run yearly fee resubmissions, which will enable the awarded participants of CMIS EC5-Enduring to resubmit the caps for arming and intertripping fees for the following year's service.

8. Indicative Timelines & Tender Process

Project	Stage	Start	Finish
CMIS EC5-Interim	'Interim' Contracts Signed	13 th Nov 2023	22 nd Dec 2023
CMIS EC5-Enduring Tender	Consultation	2 nd Nov 2023	1 st Dec 2023
	Webinar	17 th Nov 2023	
	Expression of Interest	8 th Jan 2024	9 th Feb 2024
	Framework Agreement Signed	25 th Apr 2024	14 th Aug 2024
	Commercial Tender & Construction Quote	25 th April 2024	14 th Aug 2024
	Contract Award	Oct 2024	

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

9. 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 enduring service, including on:

1. The Service Specification
2. The Framework Agreement
3. The Standard Contract Terms and Conditions

The Consultation includes the following documents:

Document	Explanation
1. CMIS EC5-Enduring Consultation Letter	This letter introduces the CMIS EC5-Enduring Consultation.
2. CMIS EC5-Enduring Consultation Presentation	This presentation, which provides the background and the rationale behind the CMIS EC5-Enduring.
3. CMIS EC5-Enduring Service Specification	This document aims to provide interested parties and prospective participants with the details of the CMIS EC5-Enduring . This includes the rationale and background of the service, as well as the commercial aspects and the technical requirements of the service.
4. Draft Framework Agreement	This document is the umbrella agreement that technically feasible assets will be invited to sign. It sets out the details of the provider and their asset but does not alone enable the ESO to utilise the asset for the service. It is the subsequent tender process (outlined in the draft Service Specification) that determines which assets are connected to the intertrip scheme for the CMIS EC5-Enduring.
5. Draft Standard Contract Terms	This document displays the proposed Terms and Conditions for the service. Please note, these Standard Contract Terms are specific to the CMIS EC5-Enduring.
6. Consultation Feedback Form	This 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.

Consultation Submission

Please populate the [CMIS EC5-Enduring Consultation Feedback Form](#) with any comments and/or feedback and send to box.cmis@nationalgrideso.com by **9:00am on Friday 1st December 2023**.