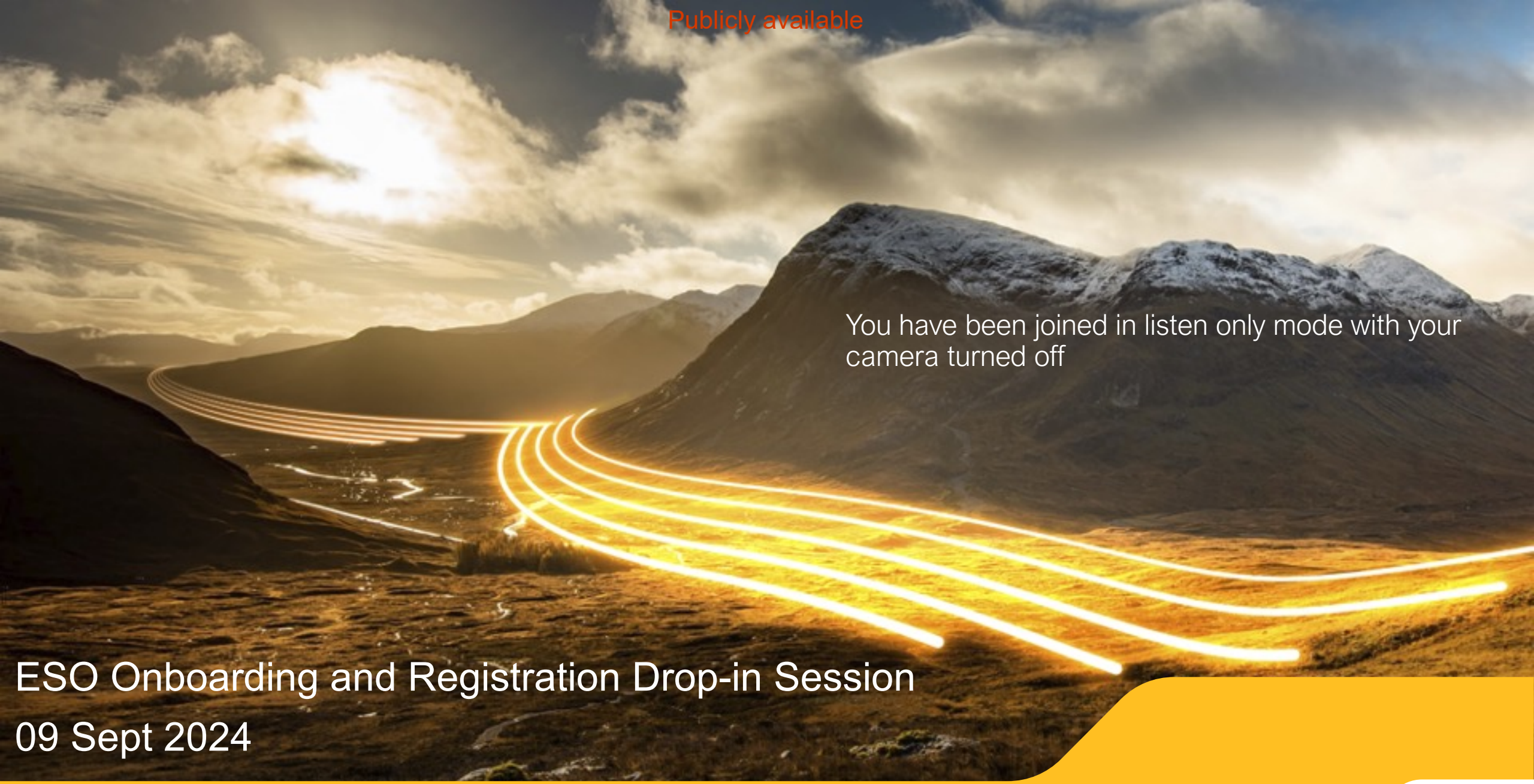


You have been joined in listen only mode with your camera turned off

ESO Onboarding and Registration Drop-in Session

09 Sept 2024

Sli.do code #1436027

Agenda

- Welcome
- ~~Overview of the Sub Asset Registration process (This will be presented next month due to availability)~~
- Overview of the Operational Metering process
- Q and A

Introduction | Sli.do code #1436027

To ask questions live & give us post event feedback go to Sli.do event code #1436027.

- **Ask your questions as early as possible** as our experts may need time to ensure a correct answer can be given live.
- **Please provide your name or organisation**. This is a forum for industry participants therefore questions from unidentified parties will not be answered live.
- **Questions will be answered in the session whenever possible**. However, we may need to take the question away in order to provide the answer.
- **Sli.do will remain open until 16th Sept**, even when the call closes earlier, to provide the maximum opportunity for you to ask questions.
- **All questions, along with answers, will be published.** Questions which are not answered on the day will be included, with answers, in the published FAQs.

Stay up to date on our webpage: Balancing Mechanism Wider Access (Q&A will be published with slide-pack)

Operational Metering Requirements

Operational metering Requirements - derive from the BCA, the Grid Code and CUCS:

BCA Appendix F5 – Schedule 2

CUSC Section 6 Appendix 2 Operating Metering (CC.6.5.6)

Operating Metering (CC.6.5.6)

Description	Source	Type	Work	Provided by	Notes
MW and MVAr for Balancing Mechanism Unit.	Settlement Metering (FMS).	Unit per Pulse	Provide dedicated outputs from the FMS (Final Metering Scheme) 'check' meters. Supply and install wiring to the OMS-FE.	User.	Used for Despatch Instructions and Ancillary Services Monitoring (ASM). For information, FMS meters are required under the Balancing and Settlement Code. Refer to the BSC.

COP3 (1-10MW) - ± 1.5%

Typical Operational metering signals:

Active Power, Reactive Power, EU Code User System Entry Point Voltage, Controlling Breaker, Tap Position

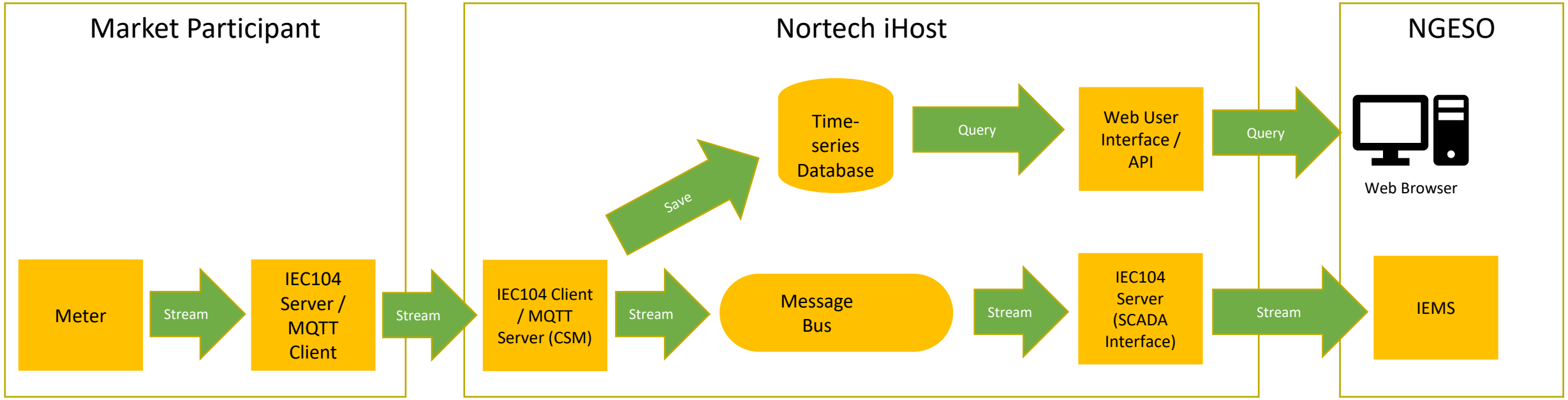
Additional Operational Metering Signals depending on the fuel type:

Ambient Temperature, Energy Available, Global Radiation, Power Available, State of Charge, Tidal Flow, Tide Direction, Wind Direction ,Wind Speed

Operational Metering Connections

Over direct RTU (Real Telemetry Unit) used for Off-Shore Wind connections
Over SCS (Substation Control System) for Transmission Connections
Over VPN/MQTT connection to our Data Concentrator iHOST

BMUs which are not transmission connected provide Operational Metering over iHOST:



Additional Information/Guidance

1. Operational Metering Overview for small BMU's (https://www.nationalgrideso.com/industry-information/balancing-services/balancing-mechanism-wider-access) available on ESO Wider Access website
2. Operational Metering Architecture (available on request) / Please contact us at box.smallbmuopsmeter-eso@nationalgrid.com

Q&A

Sli.do code #1436027

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Reminder about asking questions

- **Please provide your name or organisation**. This is a forum for industry participants therefore questions from unidentified parties will not be answered live.
- **Questions will be answered in the session whenever possible**. We may need to take the question away in order to provide the answer.
- **Sli.do will remain open until 16th September**, even when the call closes earlier, to provide the maximum opportunity for you to ask questions.
- **All questions will be recorded and published** All questions asked through Sli.do will be published, with answers, on the Balancing Mechanism Wider Access we may ask you to contact us by email in order to clarify or confirm details for the question.
- **Out of scope questions** will be forwarded to the appropriate ESO expert or team for a direct response. We may ask you to contact us by email to ensure we have the correct contact details for the response. These questions will not be managed through this forum, and we are unable to forward questions without correct contact details.

Q&A

Sli.do code #1436027