



2024 ICAO LTAG STOCKTAKING

7 ——— 10 OCTOBER 2024



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Programme Manager

UK SAF Clearing House (UK SAF CH), United Kingdom

Session 8: Implementation support - Part 2:
Challenges and opportunities in achieving the
LTAG



UK SAF Clearing House

Supporting the testing and qualification of sustainable aviation fuels (SAF)



UK Sustainable Aviation Fuels Clearing House (UK SAF CH)

ICAO LTAG Stocktaking Event on Aviation CO2 Emissions Reductions

Present by: Matthew Jee

UK SAF CH Programme Manager, Energy Innovation Centre, University of Sheffield



Department
for Transport

UK SAF Clearing House

<https://www.safclearinghouse.uk/>



Overview

- Established in November 2023 to **support UK Government's ambition to build a thriving UK SAF production industry**, bring innovations to the commercial market, support thousands of green jobs and enhance the country's fuel security.
- Funded by the DfT, delivered by the University of Sheffield, Energy Innovation Centre (EIC) in partnership with Ricardo UK.
- Aligned with **UK SAF Mandate of 2% SAF blend by 2025 and 10% by 2030**. Comes into force on 1 January 2025, subject to parliamentary approval.
- Support SAF producers during the **development/optimisation, evaluation, and qualification of jet fuel from sustainable sources**.
- UK SAF Clearing House supports potential **SAF producers to enter the market** but also **minimises cost and risk** of their programmes.

UK SAF Clearing House

<https://www.safclearinghouse.uk/>

What we do...

- Work in **collaboration with US and EU Clearing Houses** to create one work stream per product
- **Act as a central function**, providing advice and guidance to fuel producers on SAF testing and qualification requirements **free at point of use**
- Help define technical plans/strategies to develop, **evaluate test and interpret results**
- Access to **grant funding** to contribute to testing costs subject to key eligibility criteria
- Connect SAF producers with **key stakeholders, facilitate collaboration**, and provide **access to critical information** and resources
- Provide advice and support to fuel suppliers regarding **due diligence** testing as they scale up from laboratory, pilot and to full production

See our web pages for more detail



UK Sustainable Aviation Fuels (SAF) Clearing House

The UK SAF Clearing House is a programme funded by the Department for Transport (DfT) that provides cross-industry support for the development, testing, qualification, and production of sustainable aviation fuels.

Compared with conventional jet fuel, SAF are a key technology that can reduce aviation emissions and achieve lifecycle carbon emissions savings of over 70%, and help the UK to achieve zero aviation by 2050.

Our work supports the UK Government's ambition to build a thriving UK SAF production industry, bring innovations to the commercial market, support thousands of green jobs and enhance the country's fuel security. The UK SAF Clearing House has a key role in the Government's ambition to establish the UK as a global leader in the development, production and use of SAF, aligned with the Government's wider package of policy measures to achieve this.

UK SAF Clearing House

Supporting the testing and qualification of sustainable aviation fuels (SAF)

Home About Fuel producers Fuel test facilities Resources News Events

Fuel producers

Providing support for fuel producers

The UK SAF Clearing House acts as a central hub for a network of SAF testing facilities across the UK, enabling you to find information about them all in one place.

We also provide advice and guidance to fuel producers on the required evaluation and testing, signpost you to testing facilities, define test programmes and interpret results.

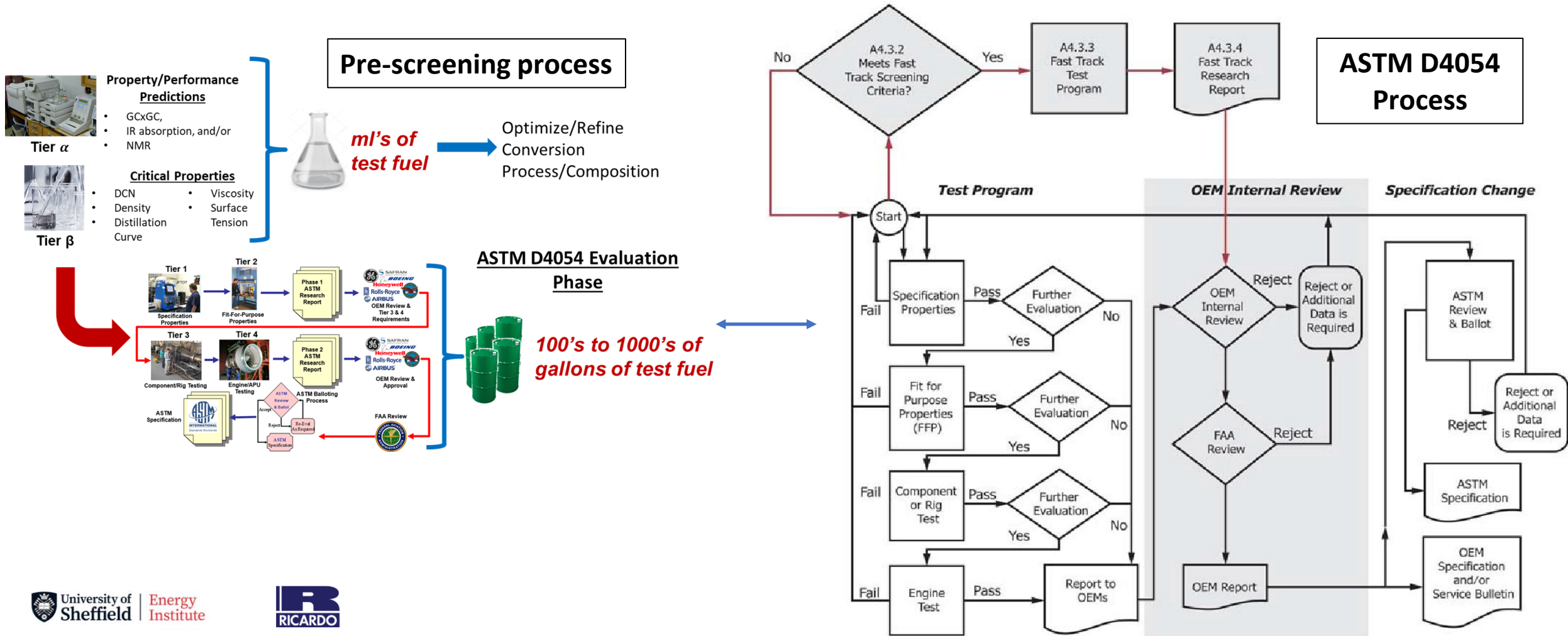
Find out more about the SAF testing grants:



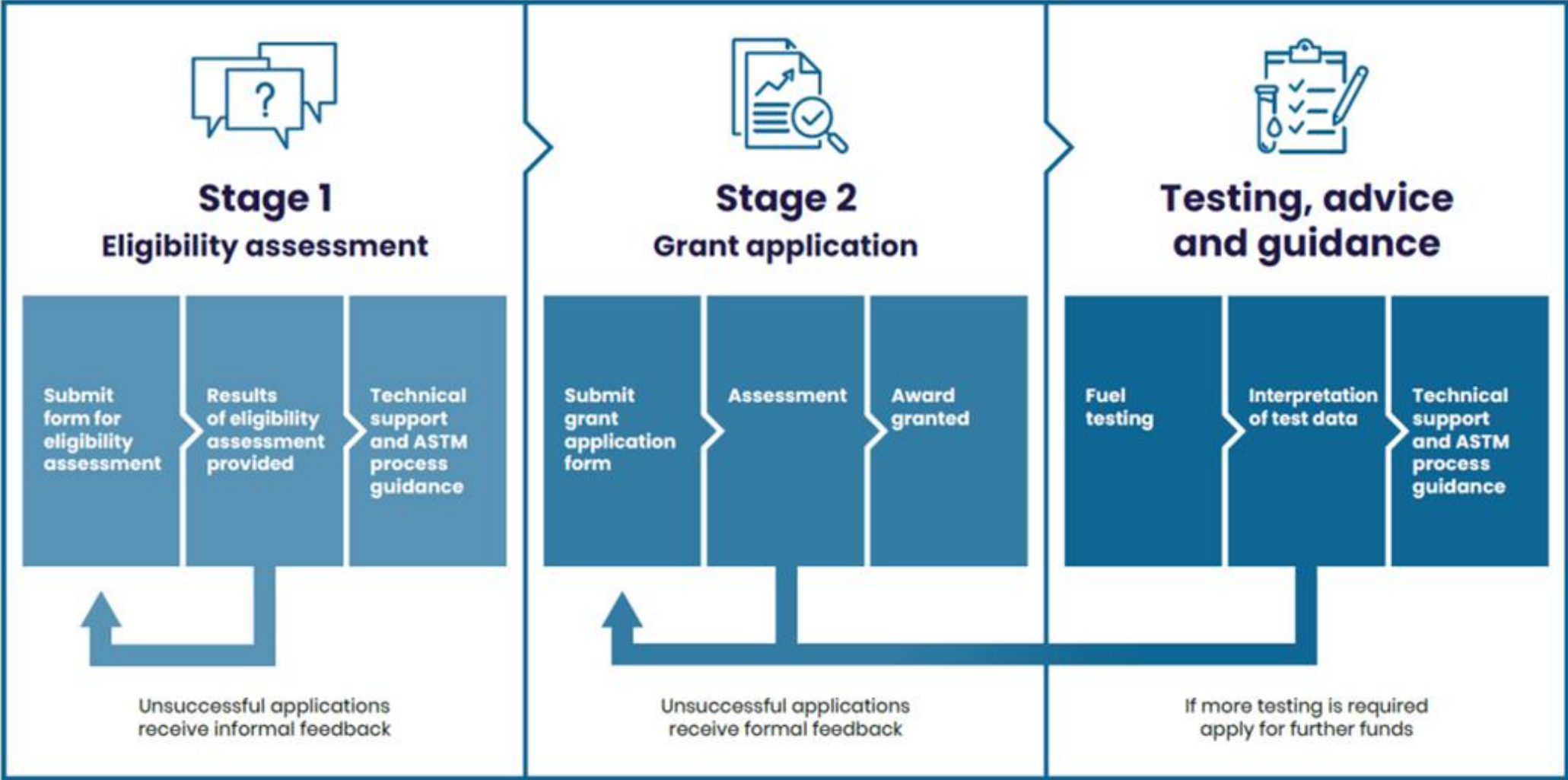
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Fuel pre-screening, evaluation & qualification overview



UK SAF Clearing House technical support - Custom Journey



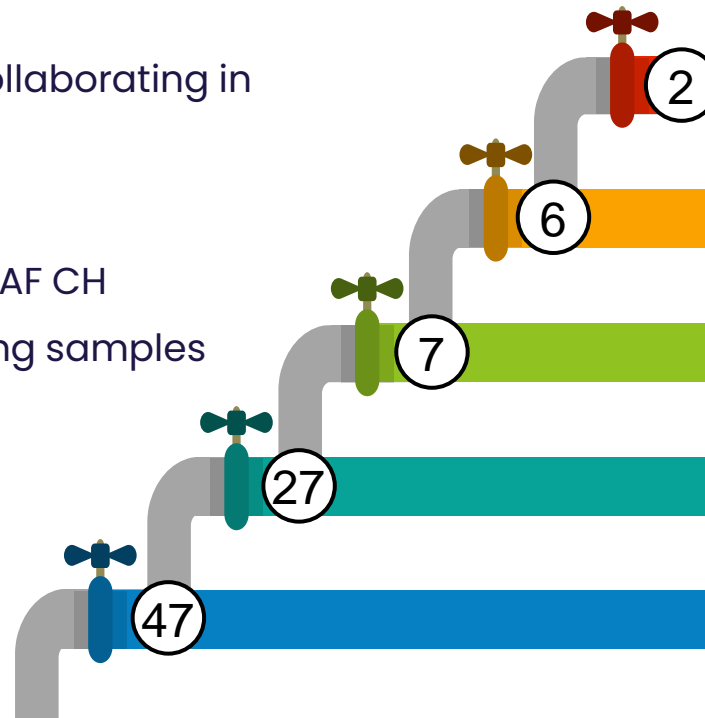
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SAF development progress in the UK to date...

- Estimated 47 UK based companies developing/collaborating in SAF projects in the UK
- 27 have engaged and received support from UK SAF CH
 - Of those engaged, 7 Producing and developing samples
 - 6 completed stage 1 application.
 - 2 completed stage 2 application



Stage 2 Application

Stage 1 Application

Producing and developing samples

UK SAF CH Engagement / Support

Companies developing/collaborating in SAF projects

UK SAF Clearing House

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Quality Assured Service

- UK SAF Clearing House holds ISO 9001:2015 accreditation (globally recognised standard for quality management)
- Coordinate a network of recognised test facilities (All meet **industry standards** for testing and analysis)
- Based on the technical advice received, fuel producers are responsible for establishing a test programme with a/multiple test facilities.
- Producers must ensure they meet the required **standards for the specific work being undertaken.**



Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center



WASHINGTON STATE
UNIVERSITY

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UK SAF Clearing House international support activity

- **International Clearing Houses** – Coordinating with US and EU Clearing House. Including working towards a test method standardisation programme
- **Original Equipment Manufacturer (OEM) Fuel Group Meeting** – Attend regularly, engaging on latest challenges
- **ASTM International¹** – Members – D02 (Petroleum Products, Liquid Fuels, and Lubricants.) Subcommittee D02.J0 (Aviation Fuels)
- **UK MOD AFC², Executive Committee** – Members

¹ ASTM International (American Society for Testing and Materials, International)

² UK Ministry of Defence, Aviation Fuels Committee (MOD AFC)

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