



CHANGE

1. Category of Airspace Change

Does your proposal concern Changes to Notified Airspace Design or Planned and Permanent Redistribution of Air Traffic? *

- ☒ Changes to Notified Airspace Design ☐ Planned and Permanent Redistribution of Air Traffic

2. Title of proposal

Please enter a title for this intended change, (max 80 characters): *

HyImpulse Sounding Rocket Launch from Saxa Vord Spaceport - Shetland

- ☐ Have you previously submitted a Statement of Need ?

SPONSOR

3. Change Sponsor Details

Please select the appropriate category and complete. *

- ☒ A Company
☐ An Unincorporated Association or other body
☐ Individual (including sole traders and partnerships)

3a. A Company

Registered Company name (in full) *

HyImpulse Technologies GmbH

Registered Company Number

[REDACTED]

Country of Company Registration

Germany

Registered Office Address

[REDACTED]

Postcode

[REDACTED]

E-mail

[REDACTED]

Trading name (if applicable)

[REDACTED]

Trading Address (primary site)

[REDACTED]

Country

[REDACTED]

Postcode

[REDACTED]

Website address

<https://hyimpulse.de/en/>

Primary Point of Contact Name *

[REDACTED]

☒ Requires Airspace Portal Access ?

Telephone *

Mobile Number (for Airspace Portal) *

Email *

Additional Contacts

You can add up to 4 additional contacts

Contact 1

Contact Name *

☒ Requires Airspace Portal Access ?

Telephone *

Mobile Number (for Airspace Portal) *

Email *

Contact 2

Contact Name *

☒ Requires Airspace Portal Access ?

Telephone *

Mobile Number (for Airspace Portal) *

Email *

STATEMENT OF NEED

4. Independent Aviation/Airspace Consultancy

☐ Is an Independent Aviation/Airspace Consultancy involved in this proposal?

5. Statement of Need

Please provide a brief 'Statement of Need' clearly explaining what issue or opportunity this proposal is seeking to address.

*Further information can be found in CAP1616 **

HyImpulse Technology GmbH is a new German space company developing small orbital launcher and sounding rockets, powered by its green hybrid propulsion technology. The company mission is to unlock the full potential of the rapidly growing satellite market by eliminating the current bottleneck to frequent, reliable, and low-cost access to space.

The SR75 sounding rocket is a single stage vehicle for microgravity experiments and atmospheric research. The in-house developed hybrid rocket motor uses paraffin and liquid oxygen and SR75 will be the first European rocket that exploits such a combination of propellants.

HyImpulse is targeting the end of 2021, and a possible entry on the market in 2022. In its first flight, SR75 will be a technology demonstrator and will be used to flight-prove the motor.

Discussions between HyImpulse and Saxa Vord Spaceport are currently on-going, foreseeing the possibility of a maiden flight from the Shetland islands. The Shetland Islands are particularly suitable from a flight safety perspective due to their geographical position and to the low volume of sea and air traffic.

This would be an important milestone for both companies and a step towards enabling access to space in Europe. Involvement by Saxa Vord Spaceport in the SR75 launch would enable it to build up operations to reach the objective of being a UK orbital vertical launch site. This would include participation in the use of a temporary ACP to deliver Range services in support of the HyImpulse Launch. The establishment of a suitable temporary airspace structure to the north of the Shetland Islands would allow HyImpulse rocket launch operations to safely proceed from Saxa Vord Spaceport (Unst).

6. Administrative Changes

☐ Does your proposal represent an administrative change to the Aeronautical Information Publication (Proposed Level 0 change)?

7. Instrument Flight Procedures

☐ Does your proposal have the potential to include a change to and/or new IFPs?

8. Five-Letter Name Codes (5LNC)

☐ Does this request solely concern the reservation of new Five-Letter Name Codes (5LNC) in advance of a future proposal?

9. Additional Information

Please use the box below to add any further information which the CAA should be aware of when considering this submission (for example dependencies on other airspace change proposals and/or funding deadlines):

SUBMISSION INSTRUCTIONS

Submission

Your form has been successfully submitted. Please keep a copy of this acknowledgement for your records.

Date and Time: 22 Jul 2021 12:26:19 PM

Application
Submission
Number: DAP1916V2-262

Please note that the Airspace Regulation team will contact you to acknowledge receipt of your Statement of Need and to confirm the unique ACP reference number (ACP-YYYY-NNN) allocated to this submission. Following receipt of your unique ACP reference number, you will be required to create an associated airspace change proposal on the [CAA's Airspace Change Portal](#). Please refer to CAP 1706: CAA Airspace Change Portal – Sponsor Training Manual provides for further information/guidance on how to use the Airspace Change Portal.

Once your submission has been assigned, arrangements will be made for you to attend an Assessment Meeting. One of the key outputs from this meeting will be an indicative timeline for the proposed airspace change. To enable the CAA to consider your proposed timescales, you will be expected to present dates for the following milestones at the Assessment Meeting:

- DEFINE Gateway
- DEVELOP & ASSESS Gateway
- CONSULT Gateway
- Formal Airspace Change Proposal Submission
- Target AIRAC

The CAA holds Gateway Assessment Meetings on a monthly basis and the annual schedule is published on the [CAA website](#).

Finally, you should also note that from September 2018 any amendments submitted by a Data Originator or ANSP for onward promulgation in the UK IAIP will be subject to the Aeronautical Data Quality Requirements. See [Commission Regulation \(EU\) No 73/2010](#) (updated by 1029/2014) and [CAP 1054: Aeronautical Information Management](#) guidance material for further information. These requirements will be discussed in greater detail during the course of your initial meeting with the CAA.

When you have completed this form, click this button to submit the form for processing. Do not click this button more than once. You will then be provided with further instructions.