



# **Design Principles Questionnaire**

**Non-Aviation Stakeholders**

## Document Details

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# 1. Introduction

Shetland Space Centre (SSC) is developing a vertical launch spaceport on the island of Unst, Shetland. The spaceport will launch small rockets into space from Lamba Ness on Unst in a Northerly direction over the sea. To ensure that the launching rockets and other air users are protected SSC (the change sponsor) are undertaking an Airspace Change with the Civil Aviation Authority (CAA). The change process is described in CAP 1616, which can be found at this link:

<https://publicapps.caa.co.uk/docs/33/CAP1616E2noninteractive.pdf>

One of the key principles of the change process is that it should be as transparent as possible, therefore the CAA hosts an airspace change portal where individual airspace changes can be followed. The following link will take you to the portal:

<https://airspacechange.caa.co.uk/OrganizationSearch>

Another important principle is that “In contemplating any airspace change proposal, the change sponsor must consider the impacts on others and the implications those impacts may have, and engage with them appropriately.” Therefore, consultation and engagement take place throughout the change process.

This questionnaire forms part of this first stage of engagement and is designed to help SSC identify affected parties (Stakeholders). It is also important to note that at this stage SSC do not have a proposed solution, again this engagement is meant to inform SSC as to what is important to the affected parties. The feedback that SSC will get from this engagement will help SSC begin to craft the design principles of the airspace change and will influence the criteria against which any option will be evaluated.

**The project is also subject to a full planning application that is being run separately to the application for airspace to support the operation. This questionnaire is not linked to the Planning Application.**

It is important that the views of stakeholders are considered at an early stage in the process, and therefore, your responses to the attached questions are important to understand what our key areas of consideration should be for a successful airspace change process.

## 1.1 Points for your Consideration

This section provides further information that may help when considering a response to the questions posed in Section 2.

### 1.1.1 Periodicity of Operations

Any restrictions on the airspace environment are not expected to be in place permanently. However, there will be restrictions placed in advance of proposed launches, and for a period after to ensure that the airspace has been vacated and that normal flying operations can continue safely. There may be a certain number of restrictions that can be tolerated with minimum impact. The project team would like to understand what frequency of operation would create a lower impact.

### 1.1.2 Time of Day

When responding to the questions, you may also wish to consider whether your comments are applicable by day or by night, or whether you feel that priorities should change over the 24-hr period, or day to day.

## 1.2 Action Required

We have developed the questions below in Section 2 and would encourage you to insert your responses in the enclosed table and return this to us as described in 1.3 below.

Please do not feel constrained in your response to any question. If you wish to highlight any other relevant local constraints or issues, then SSC would welcome any feedback you choose to contribute that will support the development of the Design Principles. Your responses may be operational or environmental in nature but are those you feel are most important to you, or to your represented community.

## 1.3 How to Respond

There are several ways you can respond to the survey. The easiest and quickest way to respond is to access the questions via the link below.

<https://airspace-change.shetlandspacecentre.com/>

There is also a link to the online form on the website [www.shetlandspacecentre.com](http://www.shetlandspacecentre.com)

Alternatively, you can choose to fill your answers directly to each question in the relevant field in Section 2 below. Then save the file that includes your responses and attach to an email to the following address:

[airspace-change@shetlandspacecentre.com](mailto:airspace-change@shetlandspacecentre.com)

In addition to this word document, we will accept scanned, hand-written responses or email responses provided they are legible and clearly identify the question to which your response relates.

We will also accept legible postal responses to the following address within the timescales specified in 1.5 below:

Airspace Change  
Shetland Space Centre  
Moray Park  
Grantown on Spey  
Moray  
PH26 3JF

It is important that individual email responses clearly show your name and contact details; this will allow us to cross refer to the emails we send out.

## 1.4 Focus Groups

SSC may hold Focus Groups and meetings with key stakeholders during April 2020 if further understanding of completed questionnaires is required. Therefore, we ask for the questionnaire responses to be returned to us by 3 April 2020. During the Focus Groups discussions, additional views will be recorded and collated. The responses from the Focus Groups and the questionnaires will be analysed and will form the basis of the draft Design Principles document, for review and subsequent submission to the CAA.

Please note again that these Focus Groups are for views on the Airspace Change Process and are not linked to separate consultation meetings on the Planning Application.

## 1.5 Timescale for Responses

Please ensure your response is returned to us no later than **3 April 2020**.

## 2. Questionnaire

### 2.1 Your responses

The questions below are designed to help us understand the constraints that should be considered during the CAA CAP 1616 Design Principles step of the Define Stage (1). Please insert your responses below each of the following questions; the size of the response box will expand as you type your response. Use as much space as you need, or alternatively attach additional sheets or documents making it clear which questions you are responding to. Save this document together with any other relevant documents and return them as described in 1.3 above. If any of the questions are not applicable or relevant, please say so against the appropriate question.

**Please note that this questionnaire relates only to the CAP 1616 Airspace Change Process which is an entirely separate process to Shetland Islands Council Statutory Planning Application submission.** Both processes include elements of stakeholder engagement and formal consultation so inevitably there will be some overlap.

### 2.2 Questions for Non-Aviation Stakeholders

Representative Organisation:

*For example: Conservation Body, Local Industry, Local Body, Elected Representative, Private Individual etc.*

Q1 - Please list any constraints that might limit the lateral and/or vertical extent of any airspace solution that you feel SSC should consider when designing an airspace solution to protect the launches and protect other airspace users from the launches. Please list your reasons.

Your response:

Q2 - Do you envisage that a Letter of Agreement (LoA) or Memorandum of Understanding (MoU) or other agreement with SSC will be required? If so, please provide details of what you would expect to be required as part of this agreement.

Your response:

Q3 - Please let us know if there are any day-time or night-time specific constraints that you consider SSC could take into account when considering the airspace solution required to protect the vertical space launches. Please provide details and reasons.

Your response:

Q4 - Please inform us of who you consider to be the other key non-aviation stakeholders that you believe SSC should engage with during the process of designing an airspace solution to protect the vertical space launches. Please provide contact details and reasons.

Your response:

Q5 - Please advise us of any locations, for example wildlife populations, that you feel may be sensitive to noise that SSC could consider when designing its new airspace solution for the vertical space launches. Please provide locations and reasons.

Your response:

Q6 - Please advise us of any local development projects that we should be aware of and take into consideration when designing the SSC airspace solution for vertical space launches.

Your response:

Q7 - Please provide details of any local activities or constraints due to local activities that you believe may have an impact in the vicinity of the Shetland Space Centre operating area with respect to the airspace design.

Your response:

Q8 Please let us know of any other issues, constraints or principles you feel SSC could consider when designing its new airspace solution to protect the vertical space launches. Please provide details.

Your response:

Q9 - Please advise us of any particularly sensitive issues with noise associated with the vertical space launches over the day-time or night-time period.

Your response:

Q10 - Are there any specific environmental factors associated with the airspace change application that you think should be considered by SSC? [Note: An Environmental Impact Assessment will be conducted as part of the separate Planning Application]

Your response: