



SP-1 Airspace Change Manager Room 113 AT Building QinetiQ Malvern technology Centre St Andrews Road Malvern Worcestershire WR14 3PS

17 November 2021

ACP-2021-37 Temporary Danger Area Spaceport-1 Scolpaig North Uist – Updated Timeline

Introduction

As Sponsor for the above titled temporary airspace change, we contacted you in August this year updating you on the dimensions of the anticipated Temporary Danger Area (TDA) over the Spaceport 1 (SP-1) proposed launch site at Scolpaig, North Uist; at Figure 1. At time of writing it had been hoped to launch the first sub-orbital rocket from SP-1 into the existing Hebrides Range D701 in November. However, we are writing again to inform you that, due to a number of factors, there has been a delay to the first launch; this is now planned for early June 2022. A temporary airspace change proposal report has been submitted to the CAA with the updated timeline and additional comments received in August.

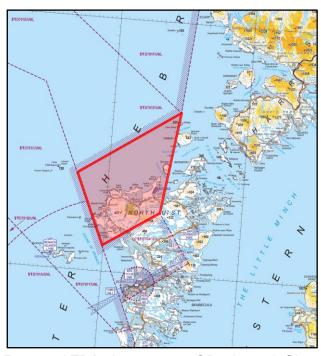


Figure 1: Proposed TDA airspace over SP-1 Launch Site at Scolpaig

Update

Assuming the CAA approve the TDA application, it remains our intention to activate and manage the TDA in exactly the same fashion as we manage D701; using the same Airspace Management (ASM) processes and procedures. This is considered essential, as activation of the TDA will nearly always



necessitate corresponding D701 areas to be activated at depicted in Figure 2, Figure 3 & Figure 4 below. It is acknowledged that formal agreement to operate under this modus operandi remains work in progress however, given the extended timeline it is considered that sufficient time exists to complete this task and others (that had previously been time critical), well in advance of the first launch. It is anticipated that this and other work strands will commence early in the new year, if not before. We will be contacting relevant stakeholders in due course to coordinate timings.

The first sub-orbital sounding rocket launch is planned for 13th June 2022 and is expected to be a low capability vehicle that may only require the airspace contained within the TDA, and not the D701 areas. It is expected this launch will be followed by four subsequent launches within the 90 day period. These will be larger launch vehicles however, they are all predicted to be contained within the areas depicted in Figure 2 & Figure 3; remaining east of 10⁰ west. Following the first activation of the TDA in June, and assuming CAA Manager Airspace Regulation (Mgr AR) approves subsequent 90 day activation periods (circa late Sep/Oct 22), it is likely the sounding rockets will be larger and requiring the D701 areas depicted in Figure 3 & Figure 4. These details will be confirmed later next year.

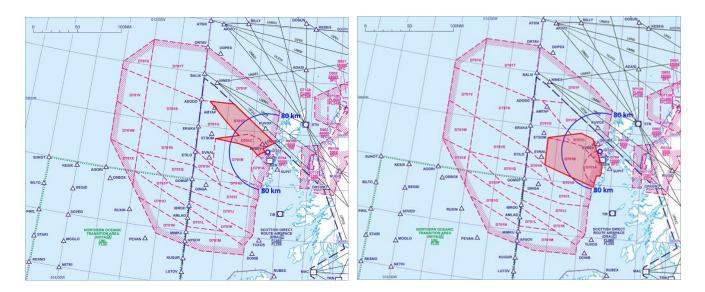


Figure 2: Sounding Rocket 80km Safety Range – Diagram Depicting Two Potential Options for D701

Activation



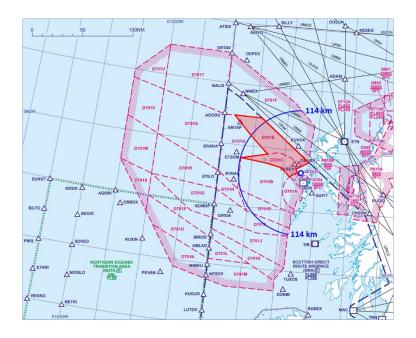


Figure 3: Sounding Rocket 114km Safety Range - Diagram Depicting Potential D701 Activation

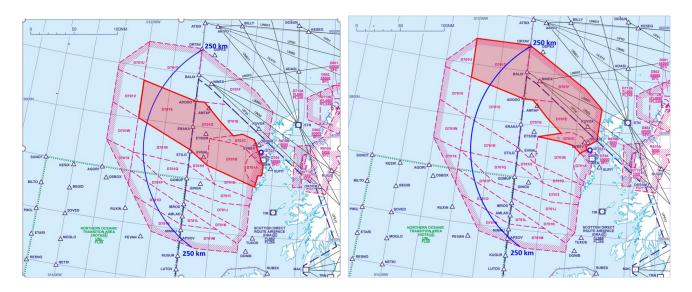


Figure 4: Sounding Rocket 250km Safety Range – Diagram Depicting Two Potential Options for D701 Activation

Next Steps

It is recognised that details of the TDA will need to be published through NATS Aeronautical Information Service (AIS) and to achieve a June 2022 launch, such details will need to be with NATS AIS no later than 22nd April 2022 (publication date 02nd June 2022). We will therefore, be contacting key stakeholders presently to address outstanding actions and ensure the appropriate ASM

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processes and procedures are agreed and in place. If you have any queries, or require more information, please contact the SP-1 airspace change manager at: SP1ACP@QinetiQ.com

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