



ACP 2022-103 Final Submission
Nov 2023
Appendix 3
Section A
Stakeholder Evidence

From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 24 May 2023 21:44:05
Attachments: [N2 Stakeholder Engagement v1.0.pdf](#)

[REDACTED]

I hope this email finds you well.

As you might be already aware, my name is Alex and I represent the Future Flight Challenge Project CAELUS2*. We have been in touch previously with either yourself or somebody else from your organisation regarding an introductory briefing session for CAELUS2 overall. The purpose of this email is to invite you to an official engagement as per CAP1616 process for one of the BVLOS RPAS routes that we have planned in Ayrshire & Arran. The operation requires segregated airspace that will be in immediate proximity of Prestwick Airport and might affect some of the nearby airspace users. Please see the attached PDF for details. We would really appreciate if the information could be forwarded on to a suitable member of your team.

We are committed to minimising any possible impact on relevant stakeholders and are particularly careful about making sure that emergency services get all the priority access that they require. Your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,

Alex

On behalf of CAELUS2 FFC Project

*CAELUS2 is part-funded by UKRI, led by AGS Airports and Supported by NHS-Scotland. 16 partners are working on the project to facilitate use of RPAS for real-life high value use-cases for the NHS as well as look into ways for safe and successful integration of RPAS alongside conventional aviation.

PS

You might have been previously invited to a pre-engagement briefing session on the project overall. Questions raised at these sessions have been combined into a single document, but some are still awaiting review by Subject Matter Experts. Please rest assured that we did not forget about it and please expect that a file with complete set of responses could be downloaded using this Dropbox link

(https://www.dropbox.com/sh/enq9x7a6yz6w2zk/AACHQ9TU69_vJAD5cZg4oEja?dl=0) by 1st week of June and/or you receive a personal email response."

From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 27 September 2023 10:04:24

Hello,

We would like to kindly follow up re our request for engagement below. Please note the deadline of this Sunday October 1st if you would like to submit a response.

Best wishes,
Alex

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 18 September 2023 at 11:31

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Subject: Re: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear MCGA Team,

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACs).

A) Given the requirements for various approvals (not just this ACP), we have experienced delays which mean these flights will no longer happen in 2023. We are still looking only for 4 consecutive weeks of flying, but we would like to ask for any relevant feedback if those 4 weeks are to occur at some point between January and July 2024. Our target date window of opportunity is in January-February, but we would like to get as complete feedback picture as possible should any further unexpected delays occur.

B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACS to aircraft, however, the regulatory part of arranging that and exact procedures is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email

(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,
Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Wednesday, 24 May 2023 at 21:44

To: [REDACTED]

Subject: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear Mark, Steve, Brian, Lyndi and Naomi,

I hope this email finds you well.

As you might be already aware, my name is Alex and I represent the Future Flight Challenge Project CAELUS2*. We have been in touch previously with either yourself or somebody else from your organisation regarding an introductory briefing session for CAELUS2 overall. The purpose of this email is to invite you to an official engagement as per CAP1616 process for one of the BVLOS RPAS routes that we have planned in Ayrshire & Arran. The operation requires segregated airspace that will be in immediate proximity of Prestwick Airport and might affect some of the nearby airspace users. Please see the attached PDF for details. We would really appreciate if the information could be forwarded on to a suitable member of your team.

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Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

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From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 18 September 2023 11:31:44
Attachments: [N2 REVISED Proposal v3.0 - 2023-09-15 17.31.13.pdf](#)

Dear MCGA Team,

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

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From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Wednesday, 24 May 2023 at 21:44

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Subject: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

[REDACTED]

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From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Re: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 27 September 2023 10:50:37

Thank you very much, Mark! That's really appreciated.

From: [REDACTED]
Date: Wednesday, 27 September 2023 at 10:35
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Cc: [REDACTED]
[REDACTED]
[REDACTED]
Subject: RE: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Good morning Alex,

Having looked at the proposed change to ACP-2022-103, and having previously discussed access for CAT A aircraft and the potential DACS, we have no changes to our comments on the previous version of the ACP.

Regards

Mark

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Sent: Monday, September 18, 2023 11:32 AM
To: [REDACTED]
Cc: [REDACTED]
[REDACTED]
Subject: Re: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

CAUTION: This email originated from outside the UK Government. Do not click links or open attachments unless you recognise the sender and know the content is safe. Please use the Report Message function to report suspicious messages.

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Kind regards,
Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Wednesday, 24 May 2023 at 21:44

To: [REDACTED]

Cc: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Subject: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

[REDACTED]

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Incoming and outgoing e-mail messages are routinely monitored for compliance with our policy on the use of electronic communications and for other lawful purposes.

From: [REDACTED]
To: [Caelus Airspace](#)
Cc: [REDACTED]
Subject: RE: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 27 September 2023 10:35:34

Good morning Alex,

Having looked at the proposed change to ACP-2022-103, and having previously discussed access for CAT A aircraft and the potential DACS, we have no changes to our comments on the previous version of the ACP.

Regards

Mark

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: Monday, September 18, 2023 11:32 AM

To: [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Subject: Re: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

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Kind regards,
Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Wednesday, 24 May 2023 at 21:44

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Subject: ARCC and Maritime and Coastguard Agency engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well.

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From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Kilkerran Airfield agreement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 23 May 2023 17:22:53
Attachments: [N2 Stakeholder Engagement v1.0.pdf](#)

Dear [REDACTED]

I hope this email finds you well. I have been trying hard to find a suitable contact for Kilkerran airfield in order to engage with for project CAELUS ACP. Unfortunately, I was only able to find a phone number for nearby Caravan Site, who suggested I should contact Adam Fergusson, so crossed my mind that possibly it could be you? If not – please disregard this email, unless you know somebody who could be a suitable contact for Kilkerran? Otherwise, please see below...

Basically, as I mentioned I represent the Future Flight Challenge Project [CAELUS2](#)*. The purpose of this email is to invite you to an official engagement as per CAP1616 process as one of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

We are committed to minimising any possible impact on relevant stakeholders, and your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

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PS

Obviously we will also be engaging with Babcock, but will initiate it with a separate email

From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 01 June 2023 11:44:47
Attachments: [N2 Stakeholder Engagement v1.0.pdf](#)

Dear [REDACTED]

I hope this email finds you well. My name is Alex and I received your contact details from the caravan site near the Kilkerran Airfield. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite you to an official engagement as per CAP1616 process. One of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

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Please kindly note that a few other stakeholders have an earlier “reply by date” of June 11th (also indicated in the slide pack) as it took us some time to find your details and reach out – the suggested date is June 18th, but if you are able reply earlier – that would be helpful. Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

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PS

We are currently missing a suitable contact for Stair Microlight site, which is located in Prestwick CTR; also, the Ladyburn helicopter site phone number is not responding. If you happen to know somebody affiliated with those sites – could you please also let me know

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From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 01 June 2023 11:49:46
Attachments: [N2 Stakeholder Engagement v1.0.pdf](#)

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From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 18 September 2023 14:41:29
Attachments: [N2 REVISED Proposal v3.0 - 2023-09-15 17.31.13.pdf](#)

Dear [REDACTED]

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACS).

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We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email

(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,
Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Friday, 2 June 2023 at 14:21

To: [REDACTED]

[REDACTED]

Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Thank you very much, [REDACTED]! That has been noted. Hope you have a lovely holiday and we will be looking forward to hearing from you soon.

Kind regards,
Alex

From: [REDACTED]

Date: Friday, 2 June 2023 at 12:29

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Cc: [REDACTED]

Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Hi Alex

Thank you for letting us know and sending this information. We are away on holiday just now so it may be mid June before we can get back to you.

Best regards

[REDACTED]

On 1 Jun 2023, at 11:51, Caelus Airspace
<caelus2airspace@traxinternational.co.uk> wrote:

Apologies for typo, [REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Thursday, 1 June 2023 at 11:49

To: [REDACTED]

Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well. My name is Alex and I received your contact details

from the caravan site near the Kilkerran Airfield. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite you to an official engagement as per CAP1616 process. One of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

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On behalf of CAELUS2 FFC Project

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From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 02 June 2023 14:21:31

Thank you very much, [REDACTED] That has been noted. Hope you have a lovely holiday and we will be looking forward to hearing from you soon.

Kind regards,
Alex

From: [REDACTED]
Date: Friday, 2 June 2023 at 12:29
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Cc: [REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

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[REDACTED]

On 1 Jun 2023, at 11:51, Caelus Airspace
<caelus2airspace@traxinternational.co.uk> wrote:

Apologies for typo, [REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Date: Thursday, 1 June 2023 at 11:49
To: [REDACTED]
Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well. My name is Alex and I received your contact details from the caravan site near the Kilkerran Airfield. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite you to an official engagement as per CAP1616 process. One of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in

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From: [REDACTED]
To: [Caelus Airspace](mailto:caelus2airspace@traxinternational.co.uk)
Cc: [REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 02 June 2023 12:29:40

Hi Alex

Thank you for letting us know and sending this information. We are away on holiday just now so it may be mid June before we can get back to you.

Best regards

[REDACTED]

On 1 Jun 2023, at 11:51, Caelus Airspace
<caelus2airspace@traxinternational.co.uk> wrote:

Apologies for typo, [REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Date: Thursday, 1 June 2023 at 11:49
To: [REDACTED]
Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well. My name is Alex and I received your contact details from the caravan site near the Kilkerran Airfield. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite you to an official engagement as per CAP1616 process. One of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

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From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 01 June 2023 11:51:03

Apologies for typo, [REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Date: Thursday, 1 June 2023 at 11:49
To: [REDACTED]
Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear Jeny and Adam,

I hope this email finds you well. My name is Alex and I received your contact details from the caravan site near the Kilkerran Airfield. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite you to an official engagement as per CAP1616 process. One of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

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From: [REDACTED]
To: [Caelus Airspace](#)
Subject: RE: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 18 September 2023 18:27:14

Dear Alex and Lucy,

Thank you for including us in your consultation process and for this update.

I'm happy to say that your BVLOS operation as outlined here will have no detrimental effect on our flying operations.

Best regards,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: 18 September 2023 14:41

To: [REDACTED]

[REDACTED]

Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

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Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Friday, 2 June 2023 at 14:21

To: [REDACTED]
[REDACTED]

Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Thank you very much, Jenny! That has been noted. Hope you have a lovely holiday and we will be looking forward to hearing from you soon.

Kind regards,
Alex

From: [REDACTED]

Date: Friday, 2 June 2023 at 12:29

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Cc: [REDACTED]

Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Hi Alex

Thank you for letting us know and sending this information. We are away on holiday just now so it may be mid June before we can get back to you.

Best regards



On 1 Jun 2023, at 11:51, Caelus Airspace
<caelus2airspace@traxinternational.co.uk> wrote:

Apologies for typo, 

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Thursday, 1 June 2023 at 11:49

To: 

Subject: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear 

I hope this email finds you well. My name is Alex and I received your contact details from the caravan site near the Kilkerran Airfield. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite you to an official engagement as per CAP1616 process. One of our proposals for BVLOS RPAS flight is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

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From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 19 September 2023 17:06:29

Thank you very much,, [REDACTED] That's all noted and appreciated.

Best wishes,
Alex

From: [REDACTED]
Date: Monday, 18 September 2023 at 18:27
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: RE: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear Alex and Lucy,

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Best regards,

[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Sent: 18 September 2023 14:41
To: [REDACTED]
[REDACTED]
Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

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Date: Friday, 2 June 2023 at 14:21

To: [REDACTED]
[REDACTED]

Subject: Re: Kilkerran Airfield engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

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To: [REDACTED]
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Name: [REDACTED]
Matrikelnummer: [REDACTED]
Matrikelnummer: [REDACTED]
Matrikelnummer: [REDACTED]
Matrikelnummer: [REDACTED]

12/11/2023, 14:28:38

[REDACTED]

Please read carefully before filling out your answers. I will be back in 15 minutes to see how you did. You have 45 minutes to complete the test. Do not discuss your answers with anyone.

Good luck!

Dr. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: BMAA engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 02 June 2023 18:16:37

Hi all,

For everyone's info. Stair is no longer active.

For [REDACTED] have you Benson at Cumnock on your list?

Very best wishes,

[REDACTED]

[REDACTED]

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On Fri, 2 Jun 2023 at 17:59, Caelus Airspace <caelus2airspace@traxinternational.co.uk> wrote:

De [REDACTED]

Thank you very much for your kind advice previously re finding out an airfield contact. We managed to get through to the owners in the end, which is very good news. I was wondering if yourself or your colleagues might be able to assist re one more site we have been struggling with - Stair Microlight Site.

Somehow despite it being inside the CTR, even Prestwick ATC seemed unaware of it, although it is showing in SkyDemon, but no additional info.

Thanks a lot once again and have a lovely weekend.

Best wishes,

[REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Date: Wednesday, 31 May 2023 at 19:19

To: [REDACTED]

Subject: Re: BMAA engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

De [REDACTED]

Thank you very much for your kind response and a great idea. I have previously managed to call a nearby caravan site, who suggested I should be looking for Adam Fergusson. We are aware of somebody with same name, but he has retired, so we don't have a suitable contact anymore. I will try to go via the nearby airfield you suggested. Many thanks again.

Best wishes,

[REDACTED]

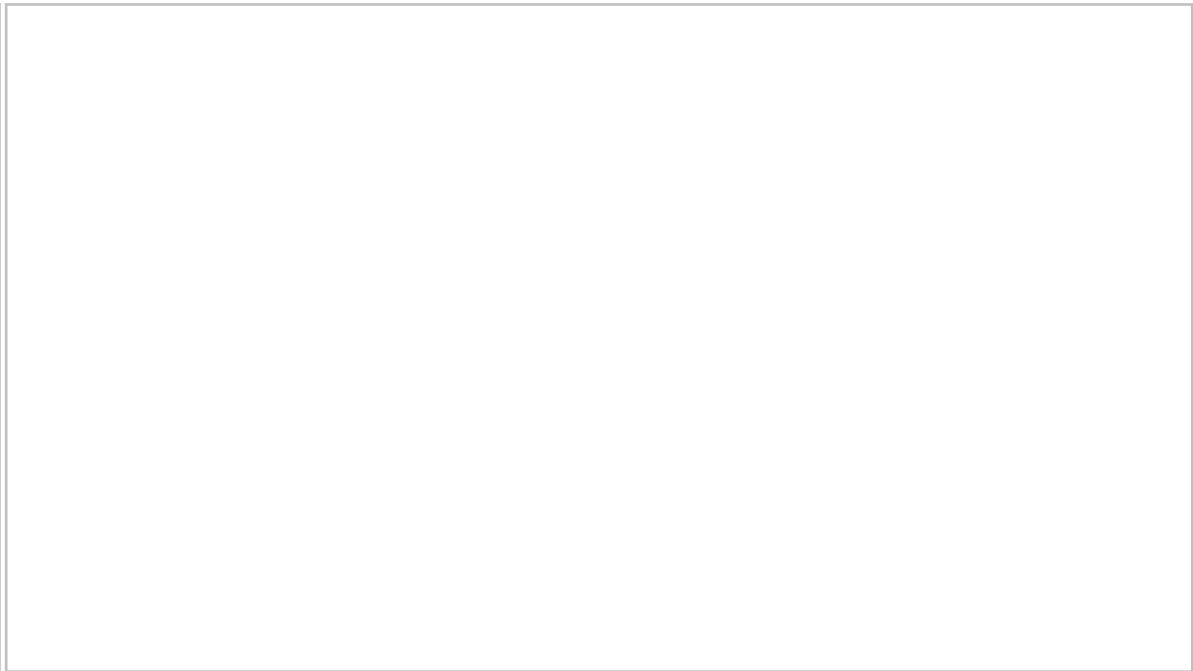
From: [REDACTED]
Date: Friday, 26 May 2023 at 17:07
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>; "Colin MacKinnon" <Strathaven.flyer@gmail.com>
Cc: [REDACTED]

Subject: RE: BMAA engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

[REDACTED]

Regarding your PS message below: I looked it up on SkyDemon, moving map system. But there wasn't any contact. Perhaps [REDACTED] could find some local contact. The next nearest airfield I can see on SkyDemon is Castle Kennedy, 26nm S-SW of Kilkerran, which has contacts (website: <http://www.castlekenedyairfield.co.uk/>) so I suspect you could call them to ask about Kilkerran.

Here you go:



Regards

[Redacted]

BMAA Airspace Team

From: Caclus Airspace <caclus2airspace@taxiinternational.co.uk>

Sent: Wednesday, May 24, 2023 7:04 PM

To: [Redacted]

Cc: [Redacted]

Subject: Re: BMAA engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [Redacted]

Thank you for your responses. I can confirm we received a short acknowledgement email from Adrian and a long detailed response from Colin. We will do our best to address the points raised in an email response to start with. However, should we require more details on some aspects or if requested by you we will run a dedicated online session. Thank you very much once again for your time.

Best wishes,



PS

On a completely different note I wanted to ask if you might have any relevant contacts for Kilkerran airfield? Unfortunately I did not have a lot of luck through Pooleys or online search

From: [Redacted]

Date: Wednesday, 24 May 2023 at 17:48

To: [Redacted]

Subject: RE: BMAA engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [Redacted]

We have already forwarded this information to the team and I believe our regional Team member, [Redacted] copied above here, has already responded.

Regards

[Redacted]

BMAA Airspace Team member

From: Caclus Airspace <caclus2airspace@taxiinternational.co.uk>

Sent: Wednesday, May 24, 2023 1:32 PM

To: [Redacted]

Subject: BMAA engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [Redacted]

I hope this email finds you well.

As you might be already aware, my name is Alex and I represent the Future Flight Challenge Project CAELUS2*. We have been in touch previously with either yourself or somebody else from your organisation regarding an introductory briefing session for CAELUS2 overall. The purpose of this email is to invite you to an official engagement as per CAP1616 process for one of the BVLOS RPAS routes that we have planned in Ayrshire & Arran. The operation requires segregated airspace that will be in immediate proximity of Prestwick Airport and might affect some of the nearby GA users. Please see the attached PDF for details. We would really appreciate if the information could be forwarded on to a suitable member of your team.

We are committed to minimising any possible impact on relevant stakeholders, and your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,



On behalf of CAELUS2 FFC Project

*CAELUS2 is part-funded by UKRI, led by AGS Airports and Supported by NHS-Scotland. 16 partners are working on the project to facilitate use of RPAS for real-life high value use-cases for the NHS as well as look into ways for safe and successful integration of RPAS alongside conventional aviation.

PS

You might have been previously invited to a pre-engagement briefing session on the project overall. Questions raised at these sessions have been combined into a single document, but some are still awaiting review by Subject Matter Experts. Please rest assured that we did not forget about it and please expect that a file with complete set of responses could be downloaded using this Dropbox link (https://www.dropbox.com/s/eng9s7af6z6w2zk/AACHO91U169_vJAD5cZg4Ejg?dl=0) by 1st week of June and/or you receive a personal email response.

From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Re: CAELUS2 Engagement Update re ACP-2022-103
Date: 03 October 2023 19:12:11

Dear [REDACTED]

Lovely to hear from you and hope the weather is nice VFR in Scotland these days. We really appreciate your kind comment provided for Strathaven Airfield.

Best wishes,
Alex

From: [REDACTED]
Date: Monday, 2 October 2023 at 13:55
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: Re: CAELUS2 Engagement Update re ACP-2022-103

Dear team,

Strathaven Airfield supports the revised proposals and thanks Caelus for engagement.

This response is solely applicable to ACP-2022-103 and the Kilmarnock area.

Very best wishes,

[REDACTED]

[REDACTED]

[REDACTED]

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Directors: [REDACTED]

On Wed, 27 Sept 2023 at 10:13, Caelus Airspace <caelus2airspace@traxinternational.co.uk> wrote:

Hello,

We would like to kindly follow up re our request for engagement below. Please note the deadline of this Sunday October 1st if you would like to submit a response.

Best wishes,

Alex

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 18 September 2023 at 12:13

To: [REDACTED]

Subject: CAELUS2 Engagement Update re ACP-2022-103

Dear [REDACTED]

You are receiving this email because you engaged on behalf of BMAA and Starhaven airfield regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACs).

A) Given the requirements for various approvals (not just this ACP), we have experienced delays which mean these flights will no longer happen in 2023. We are still looking only for 4 consecutive weeks of flying, but we would like to ask for any relevant feedback if those 4 weeks are to occur at some point between January and July 2024. Our target date window of opportunity is in January-February, but we would like to get as complete feedback picture as possible should any further unexpected delays occur.

B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACs to aircraft, however, the regulatory part of arranging that and exact procedures is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email

(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,

Alex and Lucy on behalf of CAELUS

From: [REDACTED]
To: [Caelus Airspace](#)
Subject: Re: Objection to ACP-2022-103
Date: 06 July 2023 08:49:16

Sorry, now found the meeting email. Got back from Skye at midnight, so still a bit woozy!

Very best wishes,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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Directors: [REDACTED]

On Thu, 6 Jul 2023 at 08:47, Strathaven Airfield <strathavenairfield@gmail.com> wrote:

Hi Lucy,

How do you want to do this - over the phone or are you setting up an online meeting?

Very best wishes,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

On Wed, 5 Jul 2023 at 16:45, [REDACTED] wrote:

9am tomorrow.

Sent from my iPhone

On 4 Jul 2023, at 10:28, Caelus Airspace

<caelus2airspace@traxinternational.co.uk> wrote:

Morning [REDACTED]

Not an issue at all, I appreciate your current commitments and logistics. I had scheduled the call for 9am on Thurs 6th and if you could make that call your efforts would be very much appreciated!

If there are particular issues not picked up in our previous response, then please do drop us an email prior so that we can address the issues as best as possible.

Very kind regards,

[REDACTED]

On behalf of CAELUS 2

From: [REDACTED]
Sent: Monday, July 3, 2023 5:06 PM
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: Re: Objection to ACP-2022-103

Hi [REDACTED]

Apologies, should have replied earlier. But June/July is our peak time and I have also had to deal with a Scottish Power turbine lighting plan.

I can be free on Thursday, but Friday would be best. With the weather forecast it looks like I may not get away from Skye until Thursday lunchtime (and there is a problem in Torrinn because there is no mobile reception!)



On behalf of CAELUS 2

From: [REDACTED]
Sent: Tuesday, June 27, 2023 10:27 PM
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: Re: Objection to ACP-2022-103

Hi 

I am afraid my calendar is pretty busy this week - meeting on Thursday with Scottish Power Renewables here at the airfield (lighting on wind turbines and potentially something else), our daughter on Friday (with various trips we won't see each other from more than three months, so I can't put her off!) and then in Skye on Mon-Weds to discuss the future of the airstrips at [REDACTED]

In between that, there is the day job at Strathaven Airfield and updating files for all the other ACPs in Scotland, from Windracers in the very far north to the Firth of Clyde/Irish Sea one.

I think next Thursday, 6th July would be the first available day. (As you can see from this, I am dealing with ACP stuff at 10:30pm to try and keep on top!)

Very best wishes,



Leave a review on [TripAdvisor](#) or [Google](#) - 5* is nice!

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Telephone: [REDACTED]

Directors: [REDACTED]

On Mon, 26 Jun 2023 at 14:50, Caelus Airspace
<caelus2airspace@traxinternational.co.uk> wrote:

[REDACTED]

Thank you for taking the time to formulate a response to the engagement, and we would welcome further communication on this but in the meantime we will try to address some of your points below.

1. **Integration:**

Please kindly note that integration with airspace users/aircraft that are not directly involved in the trial is not currently possible. Before such stage could be reached – a trial has to happen and test certain scenarios in a fully controlled environment. Establishing a Temporary Danger Area (TDA) is the solution that would allow us achieve such an environment. Yet, for the safety and convenience of the aircraft not involved in the trial we are undertaking this engagement exercise to ensure we only apply for the smallest feasible segregated airspace (TDA) that would not cause unreasonable inconvenience throughout the limited times of activation.

CAELUS does not intend to request permanent restricted areas such as the ones that are cited within your objection. We would wish to reassure you and your associated stakeholders that the airspace requested in the ACP is a danger area of a temporary duration. This can be supported by a DACS/DAIS provision where possible, and subject to the operations of the RPAS system, access to the airspace provided. It was mentioned on a call with

Bute airfield representative that Prestwick are open to DACS provision and we will be pursuing that avenue with them. The outcome so far is looking optimistic, however, it is a lengthy process and we cannot guarantee DACS until a number of formalities are sorted but a DAIS will be in place if not.

We would also reiterate that the dimensions, duration of the trial and the time for activation are being considered in line with the CAP 1616 principles. The reason for the type of airspace requested is that we are currently bound by current regulations and requirements of the CAA for BVLOS operations to occur in a danger area. CAELUS is a trial to show the feasibility of BVLOS air systems delivering requirements for NHS Scotland and to do that in a safe manner, and to have airspace within which to demonstrate this model, it needs to occur in a temporary danger area for the duration of this trial.

We had productive engagement so far with various stakeholders and you have been part for the most of the engagement call with Bute airfield, where we discussed revised TDA shape and conditions of activations (e.g. weather) that seemed not to raise any major objections or concerns.

We would wish to reiterate that it is a TDA that is being applied for in the current ACP and not a TRA.

2. Safety:

Despite the ambition to be a stepping stone for a proper “national network” one day, within the timeline of the project (ending April 2024) we are testing and investigating small local networks that need segregated airspace today, but hopefully will not require such in the future.

Given the temporary nature of the airspace change it is typically considered proportionate and appropriate not to go through a formal full-scale CAP1616 process which includes the additional steps you mention.. CAA will assess our application and will review all feedback provided by stakeholders.

3. Electronic Conspicuity:

The wider discussion regarding carriage of EC to access various classes of airspace is outside the scope of this airspace change proposal. We are running a large project,

but we still have capacity limitations in the number of matters it is feasible to investigate. We would also wish to make it clear that CAELUS have no influence or involvement with the grant deadlines associated with EC and any safety concerns regarding this should be addressed to the CAA. As much as it seems to be the response that gets challenged the most – it is still a fixed regulatory limitation that segregation of airspace remains the primary mitigation method for BVLOS flights of RPAS.

Onboard Detecting system of the RPAS is an additional situational awareness tool and is set by the OEM to process SIL1 only. Our partner network of ground sensors will be capable of processing SIL0, yet remains only a secondary situational awareness tool. Even though we will make use of data received by aircraft operating in the vicinity, as per para 1) above – it is only aircraft directly involved in the trial that should care about the equipment used, whereas everybody else can continue operating as usual and will remain safe by remaining clear of an active TDA segment.

The current Airspace Modernisation Strategy published by the CAA points to an environment where crewed and uncrewed air systems operate within the same airspace in a co-operative manner. We cannot comment on wider aviation projects, but we would wish to assure you that CAELUS is aiming to be as inclusive of access to airspace as possible, in line with the AMS principles. The CAELUS project has airspace management levers which will enable, where safe to do so, air systems to access the airspace, regardless of their EC fit.

With regards to the concern regarding controller availability to provide a service, we would like to clarify that CAELUS is not seeking to implement a network of danger areas (which is the type of temporary airspace within this ACP) for which the DACS/DAIS provision is associated. So, the long-term future ambition for CAELUS is to achieve moves away from segregation by way of danger areas to an integrated network of airspace where crewed and uncrewed air systems can both be accommodated. Nevertheless, in today world TDA and associated DACS is a robust helpful combination. If DACS will be confirmed to be an essential requirement to operate the proposed TDA in Ayrshire and Arran area, then we will only activate, when adequate staffing will be available by Prestwick to support that.

4) Use case:

CAELUS2 is not merely testing the possibility to have a cargo box onboard an RPAS. The background is more

complex than that as we have investigated only use cases with true life and cost-saving potential. In fact, some proposals had to be modified or discontinued solely based on the grounds that disproportionate impact on other airspace users would not be acceptable. ACP-2022-103 was taken forward as one of the proposals that will both deliver true value to people on the ground and still be feasible without causing undue inconvenience for aviation stakeholders.

As for DAA solutions – we could still use EC returns from overflying aircraft or aircraft crossing through cold segments of the TDA in order to simulate conflict avoidance scenarios. Yet, as per para 1) above – most testing will rely on involved briefed aircraft.

Despite the overall large scope of the project – being a trial, rather than routinely working solution we have agreed internally to limit our investigations to ADS-B solutions only and do it well, rather spread attention across a variety of EC. Low-powered nature of some portable ADS-B devices is the primary reason for need of additional installations since given the nature of the RPAS flight – we would like to ensure coverage to the lowest possible levels.

All in all, we feel that there may have been some confusion between the ACP that is currently in progress and the long-term intention of CAELUS and also between the CAP 1616 process for temporary and permanent changes.

We would welcome the opportunity to ensure that there is clarity regarding the nature of the airspace that is currently being sought under this ACP and the mitigations that would be in place to minimise any issues. There has been considerable discussion with yourself to make accommodations and understand your position with regards to the ACPs in particular and we would hope to continue those conversations. I would invite you to provide your availability for this week to set up a call.

Kind regards,

Lucy

On behalf of the CAELUS Project

From: [REDACTED]
Sent: Monday, June 19, 2023 1:24 AM
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: Objection to ACP-2022-103

Dear [REDACTED]

Please find a final consultation response from both Strathaven Airfield and the British Microlight Aircraft Association. I believe we also have the agreement of [REDACTED], representing Bute Airstrip. Ross is now on holiday so will confirm this on his return.

I appreciate it may come as a surprise to you after the hours we have spent in detailed consultation on route N2.

There have been many local trials which have already tested the concept of local drone delivery. If this was just another one of these, then you know we were more than happy to seek a workable solution.

However, it has been pointed out in detailed discussion within our organisations that this is a key part of a high-level proposal with national impact. Therefore we cannot support this trial as it stands because it would create an unacceptable precedent.

Very best wishes,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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Telephone: [REDACTED]

[REDACTED]

From: [REDACTED]
To: [Caelus Airspace](#)
Subject: RE: Police engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area [OFFICIAL]
Date: 27 September 2023 12:35:12

OFFICIAL

Hello [REDACTED]

From a Police Scotland perspective I can't see anything that gives us any real concern, the airspace looks like it will be made available to Emergency Services Aircraft. That said I will defer to Babcock's aviation expertise for any advice/comment before fully committing to any agreement.

With regards to the Abbreviations section within your attachment could you check the definition of UA / UAV.

Regards

[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]

From: Caelus Airspace [mailto:caelus2airspace@traxinternational.co.uk]

Sent: 27 September 2023 10:30

To: [REDACTED]
[REDACTED]

Subject: Re: Police engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello,

We would like to kindly follow up re our request for engagement below. Please note the deadline of this Sunday October 1st if you would like to submit a response.

Best wishes,

Alex

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 18 September 2023 at 14:37

To: [REDACTED]
[REDACTED]

Subject: Re: Police engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACs).

A) Given the requirements for various approvals (not just this ACP), we have experienced delays which mean these flights will no longer happen in 2023. We are still looking only for 4 consecutive weeks of flying, but we would like to ask for any relevant feedback if those 4 weeks are to occur at some point between January and July 2024. Our target date window of opportunity is in January-February, but we would like to get as complete feedback picture as possible should any further unexpected delays occur.

B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACs to aircraft, however, the regulatory part of arranging that and exact procedures is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email (caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,
Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Tuesday, 23 May 2023 at 19:00

To: [REDACTED]
[REDACTED]

Subject: Police engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well. As you probably remember from our recent interactions – my name is Alex and I represent the Future Flight Challenge Project [CAELUS2](#)*. The purpose of this email is to invite you to an official engagement as per CAP1616 process re one of our proposals for BVLOS RPAS flight in Ayrshire & Arran, which as you most likely remember requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

We are committed to minimising any possible impact on relevant stakeholders and are particularly careful about making sure that emergency services get all the priority access that they require. Your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,
Alex

On behalf of CAELUS2 FFC Project

*CAELUS2 is part-funded by UKRI, led by AGS Airports and Supported by NHS-Scotland. 16 partners are working on the project to facilitate use of RPAS for real-life high value use-cases for the NHS as well as look into ways for safe and successful integration of RPAS alongside conventional aviation.

PS

You have been previously invited to a pre-engagement briefing session on the project overall. Questions raised at these sessions and emailed to us after have been combined into a single document, but some are still awaiting review by Subject Matter Experts. Please rest assured that we did not forget about it and please expect that a file with complete set of responses could be downloaded using this [Dropbox link](#) by 1st week of June and/or you receive a personal email response.

From: [Caelus Airspace](#)
To: [REDACTED]
Subject: Re: Police engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 18 September 2023 14:37:31
Attachments: [N2 REVISED Proposal v3.0 - 2023-09-15 17.31.13.pdf](#)

Dear [REDACTED]

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACS).

A) Given the requirements for various approvals (not just this ACP), we have experienced delays which mean these flights will no longer happen in 2023. We are still looking only for 4 consecutive weeks of flying, but we would like to ask for any relevant feedback if those 4 weeks are to occur at some point between January and July 2024. Our target date window of opportunity is in January-February, but we would like to get as complete feedback picture as possible should any further unexpected delays occur.

B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACS to aircraft, however, the regulatory part of arranging that and exact procedures is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email (caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,

[REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Tuesday, 23 May 2023 at 19:00

To: [REDACTED]
[REDACTED]

Subject: Police engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area



I hope this email finds you well. As you probably remember from our recent interactions – my name is Alex and I represent the Future Flight Challenge Project [CAELUS2](#)*. The purpose of this email is to invite you to an official engagement as per CAP1616 process re one of our proposals for BVLOS RPAS flight in Ayrshire & Arran, which as you most likely remember requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

We are committed to minimising any possible impact on relevant stakeholders and are particularly careful about making sure that emergency services get all the priority access that they require. Your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,



On behalf of CAELUS2 FFC Project

*CAELUS2 is part-funded by UKRI, led by AGS Airports and Supported by NHS-Scotland. 16 partners are working on the project to facilitate use of RPAS for real-life high value use-cases for the NHS as well as look into ways for safe and successful integration of RPAS alongside conventional aviation.

PS

You have been previously invited to a pre-engagement briefing session on the project overall. Questions raised at these sessions and emailed to us after have been combined into a single document, but some are still awaiting review by Subject Matter Experts. Please rest assured that we did not forget about it and please expect that a file with complete set of responses could be downloaded using this [Dropbox link](#) by 1st week of June and/or you receive a personal email response.

From: [Caelus Airspace](#)
To: [REDACTED]
Subject: OHS Rescue engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 23 May 2023 19:32:18
Attachments: [N2 Stakeholder Engagement v1.0.pdf](#)

Dear [REDACTED]

I hope this email finds you well. As you probably remember from our recent interactions – my name is Alex and I represent the Future Flight Challenge Project CAELUS2*. The purpose of this email is to invite you to an official engagement as per CAP1616 process re one of our proposals for BVLOS RPAS flight in Ayrshire & Arran, which as you most likely remember requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

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Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,

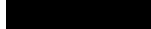
Alex

On behalf of CAELUS2 FFC Project

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From: [Caelus Airspace](#)
To: 
Subject: Re: CAUTION: External email - OHS Rescue engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (UNCLASSIFIED)
Date: 18 September 2023 14:31:54
Attachments: [image581338.PNG](#)
[imageabfc1e.PNG](#)
[N2 REVISED Proposal v3.0 - 2023-09-15 17.31.13.pdf](#)

Dear 

You are receiving this email because your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACS).

A) Given the requirements for various approvals (not just this ACP), we have experienced delays which mean these flights will no longer happen in 2023. We are still looking only for 4 consecutive weeks of flying, but we would like to ask for any relevant feedback if those 4 weeks are to occur at some point between January and July 2024. Our target date window of opportunity is in January-February, but we would like to get as complete feedback picture as possible should any further unexpected delays occur.

B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACS to aircraft, however, the regulatory part of arranging that and exact procedures is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email

(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,

[REDACTED]

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Wednesday, 31 May 2023 at 19:36

To: [REDACTED]

Subject: Re: CAUTION: External email - OHS Rescue engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (UNCLASSIFIED)

Dear [REDACTED]

Thank you very much for your time earlier on the briefing session and for reviewing the information provided re Ayrshire and Arran operations. All been noted on our end. Please do not hesitate to be in touch if your area of responsibility changes or expands. We also might be in touch in the future re other routes.

Thanks again.

Best wishes,

[REDACTED]

From: [REDACTED]

Date: Wednesday, 31 May 2023 at 11:58

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Subject: RE: CAUTION: External email - OHS Rescue engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (UNCLASSIFIED)

Classification: UNCLASSIFIED

Hello [REDACTED]

I attended the initial Teams brief held by Caelus Airspace the previous month. I have reviewed the attached document and this recent proposal does not effect OHSUK SAR operations as the area in question is outside of our coverage.

If you require further info from myself then please don't hesitate to get in touch.

Yours,

[REDACTED]

[REDACTED]

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Please consider the environment before printing this email

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: 23 May 2023 19:32

To: [REDACTED]

Subject: CAUTION: External email - OHS Rescue engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well. As you probably remember from our recent interactions – my name is Alex and I represent the Future Flight Challenge Project CAELUS2*. The purpose of this email is to invite you to an official engagement as per CAP1616 process re one of our proposals for BVLOS RPAS flight in Ayrshire & Arran, which as you most likely remember requires segregated airspace that will be in immediate proximity of Prestwick. Please see the attached PDF for details.

We are committed to minimising any possible impact on relevant stakeholders and are particularly careful about making sure that emergency services get all the priority access that they require. Your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,
Alex

On behalf of CAELUS2 FFC Project

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PS

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Registration No: 8010453
Registered Office: 33 Wigmore Street, London, W1U 1QX

From: [REDACTED]
To: [REDACTED]
Subject: FW: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal - Letter of Agreement
Date: 29 September 2023 11:48:56
Attachments: [image003.png](#)
[2023-09-27 Letter of Agreement CAELU2.pdf](#)

Thank you very much! All received

From: [REDACTED]
Date: Thursday, 28 September 2023 at 10:48
To: [REDACTED]
Cc: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
Subject: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal - Letter of Agreement

Morning [REDACTED]

Please find attached the updated letter of agreement for the N2 flights, confirming continued support.

This covers all 3 NHS sites in 'NHS Ayrshire and Arran'.

Kind regards

[REDACTED]
Industry Collaboration Project Manager
West of Scotland Innovation Team
NHS Greater Glasgow and Clyde

[REDACTED]

West of Scotland
Innovation Hub

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From: [REDACTED]
To: [Caelus Airspace](#)
Cc: [REDACTED]
Subject: NHS engagement response to N2 request
Date: 29 June 2023 20:18:51
Attachments: [image001.png](#)
[image002.png](#)

Hi

In response to the engagement exercise for N2 sent to colleagues in NHS Ayrshire and Arran, I am able to informally advise that a Letter of Agreement is currently being prepared and will be sent to caelus2airspace@traxinternational.co.uk in due course.

Best wishes

[REDACTED]

[REDACTED]

[REDACTED]

National Programme Manager
CAELUS Project
(Job share)



[Click here to call](#) [Click here to chat](#)

Website : [West of Scotland Innovation Hub | Innovation Hub \(woshealthinnovation.scot\)](#)

<https://twitter.com/RDAyrshire>

[Click here to access the R&D AthenA site](#)

[Click here to access the SHARE website](#)

www.nhsaaa.net/

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From: [REDACTED]
To: [Caelus Airspace](mailto:caelus2airspace@traxinternational.co.uk)
Cc: [REDACTED]
Subject: RE: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal
Date: 05 July 2023 14:58:13
Attachments: [2023-06-30-Letter of agreement for CAA.PDF](#)

Dear [REDACTED]

Following on from the updated engagement exercise detailed below, please find attached the response from NHS Ayrshire and Arran. Please let me know if you have any queries.

Best wishes

[REDACTED]

From: Caelus Airspace [mailto:caelus2airspace@traxinternational.co.uk]
Sent: 30 June 2023 11:37
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

Dear Stakeholder,

You are receiving this email because you were previously engaged regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal [ACP-2022-103](#) planned as part of CAELUS2 Future Flight Challenge project. The flight route this pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our [original proposal](#) based on feedback received over the past weeks. Changes mostly relate to location of the Ayr–Crosshouse route, TDA segmentation, AMSL ceiling of the TDA segments and implementing weather restrictions to increase the airspace available to support the safe transit of all airspace users above the TDA.

We would really appreciate if you could review the revised key aspects of the proposed operations described in this pack and get back to us by **Wednesday July 5th 2023** with any final thoughts and comments on the proposal. Please respond in the original thread you already have with caelus2airspace@traxinterntional.co.uk rather than to this email. All information will be also regularly updated on the UK CAA [portal](#).

Kindly note, that further engagement activities will be undertaken to formalise the procedures, so that airspace users that might require access to the TDA will be able to get it quickly and efficiently. Most such procedures, however, will be covered by a letter of agreement between CAELUS2 and Prestwick Airport.

Kind regards,
Alex

On behalf of CAELUS2 FFC Project

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From: [REDACTED]
To: [Caelus Airspace](#)
Cc: [REDACTED]
Subject: RE: University Hospital Ayr engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 27 September 2023 10:22:10
Attachments: [image001.png](#)

Hi [REDACTED]

The N2 NHS Ayrshire and Arran approvals was given through Dr Crawford McGuffie, which covered all 3 sites. Jacqui, Craig and Jacqueline are aware of the changes to the application timelines etc but the approval will again come from Crawford.

I have been in contact with his PA this morning but he is on leave until Monday the 2nd of October. I am working with his PA to make sure we have an updated approval/agreement from Crawford to send back on Monday the 2nd. (original deadline).

Kind regards

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]

West of Scotland 
Innovation Hub

Working hours: Mon + Fri 7-5, Tues + Thurs 7-1, Wed 7-2

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From: Caelus Airspace [mailto:caelus2airspace@traxinternational.co.uk]

Sent: 27 September 2023 10:16

To: [REDACTED]
[REDACTED]
[REDACTED]

Subject: Re: University Hospital Ayr engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Hello,

We would like to kindly follow up re our request for engagement below. Please note the deadline of this Sunday October 1st if you would like to submit a response.

Best wishes,



From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 18 September 2023 at 13:58

To: [REDACTED]
[REDACTED]
[REDACTED]

Subject: Re: University Hospital Ayr engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements c) Provision of Danger Area Crossing Service (DACS).

A) Given the requirements for various approvals (not just this ACP), we have experienced delays which mean these flights will no longer happen in 2023. We are still looking only for 4 consecutive weeks of flying, but we would like to ask for any relevant feedback if those 4 weeks are to occur at some point between January and July 2024. Our target date window of opportunity is in January-February, but we would like to get as complete feedback picture as possible should any further unexpected delays occur.

B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACS to aircraft, however, the regulatory part of arranging that and exact procedures

is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email

(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,



From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Thursday, 1 June 2023 at 12:17

To: [REDACTED]
[REDACTED]
[REDACTED]

Subject: University Hospital Ayr engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

Dear [REDACTED]

I hope this email finds you well. My name is Alex and I received your contact details from Karen Bell from the NHS. I represent the Future Flight Challenge Project CAELUS2* and the purpose of this email is to invite Ayr to an official engagement as per UK Civil Aviation Authority CAP1616 process. One of our proposals for BVLOS RPAS flights (long-range drone flights) is in Ayrshire & Arran and requires segregated airspace that will be in immediate proximity of Ayr Hospital. Please see the attached PDF for details.

The process is mainly about targeting aviation stakeholders, but as Ayr is one of the departure points in our plans – it is essential that we engage with you, especially as there is an active Helipad in the immediate vicinity premises. In fact, if there is an additional contact that you have that would be more suitable to engage with (with respect to the helipad operations) – please kindly share it with me, so I could reach out directly as well.

We are committed to minimising any possible impact on relevant stakeholders, and your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 18th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call. Please kindly note that a few other stakeholders have an earlier “reply by date” of June 11th (also indicated in the slide pack) as it took us some time to find your details and reach out – the suggested date is June 18th, but if you are able reply earlier – that would be helpful. Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,

Alex

On behalf of CAELUS2 FFC Project

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From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)
Date: 03 July 2023 14:58:11
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Thank you very much, Michael! That's been noted.

From: [REDACTED]
Date: Monday, 3 July 2023 at 14:19
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Cc: [REDACTED]
Subject: RE: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

Hi Alex

This is the NATS NERL plc response to the revised CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (ACP-2022-103).

NATS NERL plc has carried out an Impact Assessment on the revised proposal and has determined that there will be no impact to the operation at Prestwick Centre. Therefore, NATS NERL plc has no objection to ACP-2022-103.

Please let me know if you have any further queries.

Regards




NATS



NATS Private

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Sent: 30 June 2023 11:37
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: [EXTERNAL] CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

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Dear Stakeholder,

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We would really appreciate if you could review the revised key aspects of the proposed operations described in this pack and get back to us by **Wednesday July 5th 2023** with any final thoughts and comments on the proposal. Please respond in the original thread you already have with caelus2airspace@traxinternational.co.uk rather than to this email. All information will be also regularly updated on the UK CAA [portal](#).

Kindly note, that further engagement activities will be undertaken to formalise the procedures, so that airspace users that might require access to the TDA will be able to get it quickly and efficiently. Most such procedures, however, will be covered by a letter of agreement between CAELUS2 and Prestwick Airport.

Kind regards,



On behalf of CAELUS2 FFC Project

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From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: CAELUS Crosshouse - Arran Trial Flight
Date: 29 June 2023 16:52:15
Attachments: [Outlook-wmn5xkuv.png](#)

[REDACTED]


How are you? I've been asked to liaise with you to collate the NATS engagement response to the proposed ACP for TDA airspace to enable CAELUS drone flight trials between Crosshouse Hospital and Arran.

The actual route to be flown remains outside Glasgow controlled airspace, but the proposed TDA containing it does overlap with the CTR slightly in the bottom left corner near Crosshouse. The proposed upper limit of the TDA is currently 900ft AMSL, but in response to feedback from the GA communities at Bute & Strathaven it may be possible to reduce the upper limit in that area to 700ft AMSL.

Wider engagement with airspace users (GA, Helimed, Police, Rescue etc) is being done separately.

I've included a link below to V1.0 of the briefing document which contains maps and more details on the proposed periods of activation (Basically, 4 consecutive weeks of activity activated by NOTAM for short periods up to twice a day).

I don't think it should present much of a problem. You would probably want a TOI and selectable RDP map of the TDA. What do you think?

 [N2 Stakeholder Engagement v1.0.pdf](#)

Best wishes



NATS

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

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From: [REDACTED]
To: [Caelus Airspace](#)
Cc: [REDACTED]
Subject: FW: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)
Date: 20 September 2023 11:48:40
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[N2 REVISED Proposal v3.0 - 2023-09-15 17.31.13.pdf](#)

Hi

NATS NERL plc has completed an Impact Assessment on your proposal and has assessed it as having 'No Impact on the NATS NERL plc operation'.

Regards



NATS



From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: 18 September 2023 11:20

To: [REDACTED]
[REDACTED]

Subject: Re: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)

Your attachments have been security checked by Mimecast Attachment Protection. Files where no threat or malware was detected are attached.

Dear NATS NERL Team,

You are receiving this email because you or your organisation was previously invited to engage regarding Beyond Visual Line of Sight drone flights and associated with temporary Airspace Change Proposal ACP-2022-103 planned as part of CAELUS2 Future Flight Challenge project. The flight route the attached pack refers to has two legs, which connect a) University Hospital Crosshouse with the Arran War Memorial Hospital b) University Hospital Crosshouse with University Hospital Ayr.

We have revised our proposal further and would like to update you and seek feedback on the proposed changes. Even though we consider the changes minor and some are beneficial for the stakeholders, we want to ensure there are no changes from your side that would make our revised proposal not feasible. The three key updates relate to a) period of operations b) the airspace coordinates for both the TDA and TSA elements

c) Provision of Danger Area Crossing Service (DACCS).

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B) The shape and segmentation of the airspace broadly remained the same, however it was redrawn in order to align more neatly with the existing permanent airspace structures to incorporate both the TDA and TSA sections.

C) We have confirmed an agreement in principle with Prestwick Airport to provide DACS to aircraft, however, the regulatory part of arranging that and exact procedures is currently work in progress.

We will continue to update relevant information on the UK CAA portal as soon as it is known to us. Meanwhile, we would like to kindly ask to review the attached PDF pack in full and get back to us by replying to this email

(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,
Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 3 July 2023 at 14:58

To: [REDACTED]
[REDACTED]

Subject: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)

Thank you very much, Michael! That's been noted.

From: [REDACTED]

Date: Monday, 3 July 2023 at 14:19

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Cc: [REDACTED]

Subject: RE: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

Hi [REDACTED]

This is the NATS NERL plc response to the revised CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (ACP-2022-103).

NATS NERL plc has carried out an Impact Assessment on the revised proposal and has determined that there will be no impact to the operation at Prestwick Centre. Therefore, NATS NERL plc has no objection to ACP-2022-103.

Please let me know if you have any further queries.

Regards



NATS



NATS Private

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: 30 June 2023 11:37

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Subject: [EXTERNAL] CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

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We would really appreciate if you could review the revised key aspects of the proposed operations described in this pack and get back to us by **Wednesday July 5th 2023** with any final thoughts and comments on the proposal. Please respond in the original thread you already have with caelus2airspace@traxinterntional.co.uk rather than to this email. All information will be also regularly updated on the UK CAA [portal](#).

Kindly note, that further engagement activities will be undertaken to formalise the procedures, so that airspace users that might require access to the TDA will be able to get it quickly and efficiently. Most such procedures, however, will be covered by a letter of agreement between CAELUS2 and Prestwick Airport.

Kind regards,



On behalf of CAELUS2 FFC Project

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From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: NATS engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 24 May 2023 22:50:26
Attachments: [N2 Stakeholder Engagement v1.0.pdf](#)

[REDACTED]

I hope this email finds you well.

My name is Alex and I represent the Future Flight Challenge Project CAELUS2*. The purpose of this email is to invite NATS to an official engagement as per CAP1616 process for one of the BVLOS RPAS routes that we have planned in Ayrshire & Arran. The operation requires segregated airspace that will be in immediate proximity of Prestwick Airport and might affect some of the nearby airspace users. Please see the attached PDF for details. We would really appreciate if the information could be forwarded on to a suitable member of your team.

We are committed to minimising any possible impact on relevant stakeholders and are particularly careful about making sure that defence and safety critical organisations are content with the proposal. Your contribution will help ensure that we address any concerns and issues that may arise from the proposal. We would really appreciate if you could carefully review the provided materials with the appropriate members of your organisation and get back to us before June 11th, so we could try to address any concerns in good time before engagement closes on July 2nd. Depending on your feedback, we will either reply to questions via email or schedule an online conference call.

Thank you for your time and consideration. We would be honoured to have the opportunity to discuss the proposal with you and receive feedback.

Kind regards,



Alex

On behalf of CAELUS2 FFC Project

*CAELUS2 is part-funded by UKRI, led by AGS Airports and Supported by NHS-Scotland. 16 partners are working on the project to facilitate use of RPAS for real-life high value use-cases for the NHS as well as look into ways for safe and successful integration of RPAS alongside conventional aviation.

PS

I have also CCed some of NATS colleagues, which are currently working as part of the project

From: [Caelus Airspace](#)
To: 
Cc: 
Subject: Re: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)
Date: 18 September 2023 11:19:59
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[N2 REVISED Proposal v3.0 - 2023-09-15 17.31.13.pdf](#)

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(caelus2airspace@traxinternational.co.uk) no later than Sunday 1st of October 2023 to ensure we have enough time to address any concerns that might arise.

Kind regards,



From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 3 July 2023 at 14:58

To: [REDACTED]

Subject: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)

Thank you very much, Michael! That's been noted.

From: COCKCROFT, Michael C <michael.cockcroft@nats.co.uk>

Date: Monday, 3 July 2023 at 14:19

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Cc: [REDACTED]

Subject: RE: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

Hi Alex

This is the NATS NERL plc response to the revised CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (ACP-2022-103).

NATS NERL plc has carried out an Impact Assessment on the revised proposal and has determined that there will be no impact to the operation at Prestwick Centre. Therefore, NATS NERL plc has no objection to ACP-2022-103.

Please let me know if you have any further queries.

Regards



NATS



NATS Private

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: 30 June 2023 11:37

To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Subject: [EXTERNAL] CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

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Kind regards,
Alex

On behalf of CAELUS2 FFC Project

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From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal
Date: 03 July 2023 14:19:24
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Hi 

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NATS NERL plc has carried out an Impact Assessment on the revised proposal and has determined that there will be no impact to the operation at Prestwick Centre. Therefore, NATS NERL plc has no objection to ACP-2022-103.

Please let me know if you have any further queries.

Regards

[REDACTED]

NATS

[REDACTED]



NATS Private

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Sent: 30 June 2023 11:37
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Subject: [EXTERNAL] CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

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Alex
On behalf of CAELUS2 FFC Project

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From: [Caelus Airspace](#)
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)
Date: 20 September 2023 16:37:18
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Thank you very much, [REDACTED]. That has been noted and your time and effort are appreciated.

Best wishes,



From: [REDACTED]
Date: Wednesday, 20 September 2023 at 11:48
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Cc: [REDACTED]
Subject: FW: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)

Hi

NATS NERL plc has completed an Impact Assessment on your proposal and has assessed it as having 'No Impact on the NATS NERL plc operation'.

Regards



NATS



From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Sent: 18 September 2023 11:20
To: [REDACTED]
Subject: Re: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)

Your attachments have been security checked by Mimecast Attachment Protection. Files where no threat or malware was detected are attached.

Dear NATS NERL Team,

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Alex and Lucy on behalf of CAELUS

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Date: Monday, 3 July 2023 at 14:58

To: [REDACTED]
[REDACTED]

Subject: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal (NATS NERL)

Thank you very much, Michael! That's been noted.

From: [REDACTED]
Date: Monday, 3 July 2023 at 14:19
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Cc: [REDACTED]
Subject: RE: CAELU2 UPDATE: Revised Ayrshire & Arran Proposal

Hi Alex

This is the NATS NERL plc response to the revised CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area (ACP-2022-103).

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NATS



NATS Private

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
Sent: 30 June 2023 11:37
To: Caelus Airspace <caelus2airspace@traxinternational.co.uk>
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From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: NATS engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area
Date: 09 June 2023 09:38:20
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Hi 

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NATS NERL plc has carried out an Impact Assessment on the proposal and has determined that there will be no impact to the operation at Prestwick Centre. Therefore, NATS NERL plc has no objection to ACP-2022-103.

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Regards

[REDACTED]

NATS

[REDACTED]



NATS Private

From: Caelus Airspace <caelus2airspace@traxinternational.co.uk>

Sent: 24 May 2023 22:50

To: [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Subject: NATS engagement re CAELUS2 BVLOS RPAS proposal in Ayrshire & Arran area

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Dear [REDACTED]

I hope this email finds you well.

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