

From: [Pansky, Steven CTR \(FAA\)](#)
To: [Fugate, Kenneth D \(FAA\)](#); [Holmes, Craig \(FAA\)](#)
Cc: [Maibach, Joseph \(FAA\)](#); [Page, John \(FAA\)](#); [Martin, Kevin W \(FAA\)](#); [Carper, Timothy T-CTR \(FAA\)](#)
Subject: FW: Status- General Atomics/NASA Waiver for 91.113 Ops though San Diego CA
Date: Tuesday, February 25, 2020 6:19:27 PM

Gentlemen- I have been asked to request from you a position from AUS-420 and AFS-830 on the Airborne Sense and Avoid technology that general Atomics has presented as part of the their 91.113 waiver mitigation. AJV-P22 wants to know if the system is acceptable to the FAA or if AJV needs to speak to someone else who needs to provide their feedback.

Steve Pansky/SAIC

Senior Aviation Analyst-AVS Safety Technical Services Support contract
Air Traffic and Public Safety/SAC-EC Liaison
Supporting Federal Aviation Administration Unmanned Aircraft Systems
Safety and Operations Branch, AUS-430 and Policy Team, AJV-P22
Phone: [REDACTED]
Email: Steven.ctr.Pansky@faa.gov

[The UAS Integration Office appreciates your feedback](#)

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From: Maibach, Joseph (FAA) <Joseph.Maibach@faa.gov>
Sent: Tuesday, February 25, 2020 8:24 AM
To: Martin, Kevin W (FAA) <Kevin.W.Martin@faa.gov>
Cc: Pansky, Steven CTR (FAA) <Steven.CTR.Pansky@faa.gov>; Carper, Timothy T-CTR (FAA) <Timothy.T-CTR.Carper@faa.gov>; Page, John (FAA) <John.Page@faa.gov>
Subject: Re: Status- General Atomics/NASA Waiver for 91.113 Ops though San Diego CA

OK, let's see if we can get a response from them. Steve - can you follow up? And let John Page know if you're successful since he will be acting for me this week.

Thanks!

Joe

Sent from my iPad

On Feb 25, 2020, at 9:56 AM, Martin, Kevin W (FAA) <Kevin.W.Martin@faa.gov> wrote:

Joe,

Not on my end, Steve sent an email and cc'd those guys, but I haven't heard anything or seen an email.

From: Maibach, Joseph (FAA) <Joseph.Maibach@faa.gov>
Sent: Tuesday, February 25, 2020 9:21 AM
To: Pansky, Steven CTR (FAA) <Steven.CTR.Pansky@faa.gov>
Cc: Martin, Kevin W (FAA) <Kevin.W.Martin@faa.gov>; Carper, Timothy T-CTR (FAA) <Timothy.T-CTR.Carper@faa.gov>
Subject: Re: Status- General Atomics/NASA Waiver for 91.113 Ops though San Diego CA

All,

Do we know if the waiver team was able to get in touch with AUS-420 or AFS-830?

Joe

Sent from my iPad

On Feb 20, 2020, at 3:49 PM, Pansky, Steven CTR (FAA) <Steven.CTR.Pansky@faa.gov> wrote:

I am not aware if a position was taken from AUS-420 or AFS-830 that the system was TSO compatible and as such acceptable to the FAA. I did suggest to the 91-113 waiver team to send an email to AUS-430 and AFS (Kenneth Fugate and Craig Holmes) asking if they are OK with the Airborne sense and avoid technology or if they need to speak to someone else who should that be. See the emails to you and AUS-420 and AFS-830.

Steve Pansky/SAIC

Senior Aviation Analyst-AVS Safety Technical Services Support contract
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Safety and Operations Branch, AUS-430 and Policy Team, AJV-P22
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From: Maibach, Joseph (FAA) <Joseph.Maibach@faa.gov>
Sent: Thursday, February 20, 2020 11:56 AM
To: Pansky, Steven CTR (FAA) <Steven.CTR.Pansky@faa.gov>
Subject: RE: Status- General Atomics/NASA Waiver for 91.113 Ops though San Diego CA

Steve,

Good afternoon. Do we know if this irisonboard system meets the TSO C211 and C212?

Joe

Joseph Maibach
Acting Manager, UAS Policy Team, AJV-P22
470 L'Enfant Plaza, Suite 7105
Washington, DC 20024
202-267-9060
Joseph.maibach@faa.gov

From: Pansky, Steven CTR (FAA) <Steven.CTR.Pansky@faa.gov>
Sent: Thursday, February 20, 2020 2:01 PM
To: Maibach, Joseph (FAA) <Joseph.Maibach@faa.gov>
Subject: Status- General Atomics/NASA Waiver for 91.113 Ops though San Diego CA

Joe- the big takeaway from the Quarterly meeting that GA is now holding with FSDO is that [REDACTED] for the mission in March of their Predator B off of Grey Butte CA down to San Diego and flight Home (14 hour mission) to demonstrate the capability of the aircraft utilizing their Airborne sense and avoid technology (no Chase) that was tested several years ago by NASA in the Edwards Complex in central CA. The COA that they will be operating under [REDACTED]

[REDACTED]

Steve Pansky/SAIC

Senior Aviation Analyst-AVS Safety Technical Services Support contract
Air Traffic and Public Safety/SAC-EC Liaison
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Safety and Operations Branch, AUS-430 and Policy Team, AJV-P22
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<mime-attachment>

<mime-attachment>

From: [Fugate, Kenneth D \(FAA\)](#)
To: [Cruz, Emanuel \(FAA\)](#); [Hartman, Nicole \(FAA\)](#); [Baker, Thomas E \(FAA\)](#); [Hinaman, Arthur \(FAA\)](#)
Cc: [Morra, Joseph \(FAA\)](#); [Marks, Julie \(FAA\)](#)
Subject: RE: Media Q&A - Due 10 am THURSDAY 11/14 - Truthout
Date: Thursday, November 14, 2019 10:46:00 AM
Attachments: [image002.png](#)

Q6) *Special Airworthiness Certificates under the Experimental Category are issued by the FAA. More information on the process to obtain a SAC-E is available in FAA Orders 8130.2J and 8130.34D.*

Q8) Recommend AIR Coordination, but here's an attempt

9 [REDACTED]
[REDACTED]
[REDACTED]

Q10) The Skyguardian is currently in the certification process along with a number of other GA aircraft.

Ken Fugate
Aerospace Engineer
AUS-420, Technical Support Branch
AUS-400, Safety and Integration Division
AUS, Office of Unmanned Aircraft Systems
AVS, Aviation Safety
(202) 267-8259
Kenneth.d.fugate@faa.gov

[The UAS Integration Office appreciates your feedback](#)

From: Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov>
Sent: Thursday, November 14, 2019 10:00 AM
To: Hartman, Nicole (FAA) <nicole.hartman@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Hinaman, Arthur (FAA) <Arthur.Hinaman@faa.gov>
Cc: Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Marks, Julie (FAA) <julie.marks@faa.gov>; Fugate, Kenneth D (FAA) <Kenneth.D.Fugate@faa.gov>
Subject: RE: Media Q&A - Due 10 am THURSDAY 11/14 - Truthout

Hi Nicole,

This will need some additional coordination, I'm adding Ken Fugate in case I needed course correction on the references to the SAC-E process:

Q1) 9 [REDACTED]
[REDACTED] AJV might point to a FOIA request.

Q2) Might recommend a Karen Petronis Review on this but here's my draft:

9 [REDACTED]

Q3) Recommend reaching out ASH/AJV – Don't believe AUS got tagged for this effort.

Q4) No additional input

Q5) Defer to AUS-300

Q6) *Special Airworthiness Certificates under the Experimental Category are issued by the FAA. More information on the process to obtain a SAC-E is available in FAA Order 8130.34D.*

Q7) **Please reach out to AJV-P22, probably John Page.** My recommendation is a bit more generic and would be to focus on the whole package, e.g.,

9 [REDACTED]

Q8) Recommend AIR Coordination, but here's an attempt

9 [REDACTED]

Q9) No

Q10) 9 [REDACTED] please reach out to AFS-700. On the SkyGuardian, 9 [REDACTED] defer to AFS-400.

Q11) Not that I'm aware (AUS-200 might be able to confirm)

Q12) While congress and the executive branch have expressed the concerns about privacy considerations in law and executive order, regulating privacy does not fall under the purview of the FAA.

Emanuel Cruz (Manny)
Manager
Safety and Operations Branch, AUS-430
(202) 267-4981
[Click here to provide feedback](#)



From: Hartman, Nicole (FAA) <nicole.hartman@faa.gov>
Sent: Wednesday, November 13, 2019 2:28 PM
To: Cruz, Emanuel (FAA) <Emanuel.Cruz@faa.gov>; Baker, Thomas E (FAA) <Thomas.E.Baker@faa.gov>; Hinaman, Arthur (FAA) <Arthur.Hinaman@faa.gov>
Cc: Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Marks, Julie (FAA) <julie.marks@faa.gov>
Subject: FW: Media Q&A - Due 10 am THURSDAY 11/14 - Truthout
Importance: High

Manny, Tom, and Art,

Please see the request below to review the attached draft responses and to provide our own draft responses where appropriate.

I can also take a stab at editing the draft responses provided for 1 & 12, but I've got nothing for the other questions. Please let me know if someone from your teams can provide a response or if we need to direct -10 somewhere else for an answer.

Thanks!
Nicole

From: Brooks, Deandra (FAA) <deandra.brooks@faa.gov>
Sent: Wednesday, November 13, 2019 8:40 AM
To: Vanek, Adrienne (FAA) <Adrienne.Vanek@faa.gov>; Morra, Joseph (FAA) <Joseph.Morra@faa.gov>; Marks, Julie (FAA) <julie.marks@faa.gov>; Hartman, Nicole (FAA) <nicole.hartman@faa.gov>; Saunders-Hodge, Sabrina (FAA) <sabrina.saunders-hodge@faa.gov>; Strande, Paul (FAA) <paul.strande@faa.gov>
Cc: Amend, Erik (FAA) <Erik.Amend@faa.gov>; Orquina, Jessica A (FAA) <Jessica.A.Orquina@faa.gov>
Subject: Media Q&A - Due 10 am THURSDAY 11/14 - Truthout

I apologize for the short turn-around, but we've received several sizeable media requests with short deadlines recently.

Truthout is doing a story about “FAA and DoD's collaboration in regard to integrating military drones into the National Airspace. General Atomics [recently announced](#) plans to conduct a test flight of its new SkyGuardian surveillance drone, equipped with sense-and-avoid systems, over San Diego in 2020.”

9
[REDACTED]

AUS-200 – please review questions 9, 10, and 11 and draft responses as may be appropriate.

AUS-300 – please beef up the draft responses to questions 4 and 5. Please review question 3 and draft a response if appropriate.

AUS-400 – please review the draft responses to questions 1 and 12. Please review questions 2, 7, and 8 and draft responses as may be appropriate.

Thank you for your assistance with this one.

Deandra Brooks
Senior Communications Specialist
Executive Office, AUS-10
FAA UAS Integration Office

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[AUS appreciates your feedback](#)



From: [Pansky, Steven CTR \(FAA\)](#)
To: [Fugate, Kenneth D \(FAA\)](#); [Holmes, Craig \(FAA\)](#)
Cc: [Layton, Douglas CTR \(FAA\)](#); [Martin, Kevin W \(FAA\)](#)
Subject: RE: NASA Demonstration Flight over San Diego airspace 2019-SAC-COA-50
Date: Friday, January 24, 2020 12:55:47 PM

Craig/Ken

Had a conference call with the Western Service Center and the 91.113 waiver team about General Atomics demonstration flight off of Grey Butte, CA down to San Diego, CA and return, utilizing airborne sense and avoid technology (In lieu of a Chase aircraft) that was tested a few years back by NASA in the Edwards Complex. The outcome [REDACTED]
[REDACTED]
[REDACTED]. Just a heads-up that you may get an email from air traffic requesting that your organization acknowledge that for the purposes of the proposed experimental operation, your organization accepts the utilization of the proposed airborne sense and avoid system as an alternative means of compliance to 91.113 see and avoid. If you believe another organization should be making that call please let me know and we will make sure the request is also directed to them.

Steve Pansky/SAIC

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