

**Paul Blais**

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**From:** Gergely, Tomas E. [tgergely@nsf.gov]  
**Sent:** Thursday, December 16, 2010 2:04 PM  
**To:** Bjornson, Christopher; Hsing Liu  
**Cc:** Jeanette Spriggs; Paul Blais  
**Subject:** RE: Mauna Kea Radio Observatory Protection, Blue Marble Network, LLC, E100101, SES-LIC-20100917-01170, as amended by SES-AMD-20101018-01304  
**Attachments:** Gergely, Tomas E. .vcf

Cristopher:

I think that concludes the coordination needed with NSF.

Regards

Tom Gergely

Electromagnetic Spectrum Manager  
National Science Foundation  
MPS/AST Rm 1030 S  
4201 Wilson Blvd.  
Arlington, VA 22230  
USA

Phone: 703-292-4896  
FAX: 703-292-2978  
E-mail: tgergely@nsf.gov

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**From:** Bjornson, Christopher [mailto:Cbjornso@steptoe.com]  
**Sent:** Thursday, December 16, 2010 11:37 AM  
**To:** 'Hsing Liu'  
**Cc:** Gergely, Tomas E.; Jeanette.Spriggs@fcc.gov; 'Paul Blais'  
**Subject:** Mauna Kea Radio Observatory Protection, Blue Marble Network, LLC, E100101, SES-LIC-20100917-01170, as amended by SES-AMD-20101018-01304

Hsing:

As I indicated in my voice mail to you, on behalf of Blue Marble Networks, we have been in contact with the NSF representative for NTIA's IRAC to ensure proper protection of the radio observatory site in Mauna Kea by Blue Marble's proposed ESV operations who is copied on this email. Through this email, Blue Marble clarifies how it will operate its ESV network. Specifically, Blue Marble agrees to NSF's request that it turn off the Blue Marble ESV transmitters in the 14.47-14.5 GHz band whenever its hosting ship platforms come within 125 km of Mauna Kea. Blue Marble also certifies that its terminals are capable of shutting off in the 14.0-14.2 GHz band automatically.

12/17/2010

Please let us know if you have any questions or need anything else on this matter.

Sincerely,

Christopher Bjornson  
Counsel to Blue Marble Network, LLC

**Christopher R. Bjornson**  
Steptoe & Johnson LLP  
1330 Connecticut Avenue, N.W.  
Washington, D.C. 20036  
Phone: 202.429.3059  
e-mail: [cbjornson@steptoe.com](mailto:cbjornson@steptoe.com)

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**From:** Gergely, Tomas E. [mailto:[tgergely@nsf.gov](mailto:tgergely@nsf.gov)]  
**Sent:** Tuesday, December 14, 2010 3:57 PM  
**To:** Bjornson, Christopher  
**Subject:** RE: Proposed ESV Network of Blue Marble Network, LLC

Christopher:

I think that a statement in the amendment narrative, to the effect that Blue Marble will not operate in the upper 30 MHz (14.47-14.5 GHz) of the band when within 125 km of Mauna Kea, would be more appropriate. It seems to me that Blue Marble should be able to operate at lower frequencies when close to Mauna Kea and it would avoid the need to coordinate through the IRAC.

Regards

Tom Gergely

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**From:** Bjornson, Christopher [mailto:[Cbjornso@steptoe.com](mailto:Cbjornso@steptoe.com)]

**Sent:** Friday, December 10, 2010 12:55 PM  
**To:** Gergely, Tomas E.  
**Subject:** FW: Proposed ESV Network of Blue Marble Network, LLC

Dr. Gergely:  
As we discussed, attached is a copy of the application.  
Sincerely,  
Chris

**Christopher R. Bjornson**  
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e-mail: [cbjornson@steptoe.com](mailto:cbjornson@steptoe.com)

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**From:** Bjornson, Christopher  
**Sent:** Thursday, December 09, 2010 4:12 PM  
**To:** 'roger.d.porter@nasa.gov'  
**Subject:** FW: Proposed ESV Network of Blue Marble Network, LLC

Roger:  
Thanks for talking to me this afternoon. Attached is the application as amended.  
Please let me know if you have any concerns.  
Sincerely,  
Chris

**Christopher R. Bjornson**  
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**From:** Bjornson, Christopher  
**Sent:** Monday, October 18, 2010 3:37 PM  
**To:** 'Peter Malcolm'; James Grandahl; Daniel Jacoy  
**Cc:** Mamlet, Alfred  
**Subject:** FW: Proposed ESV Network of Blue Marble Network, LLC

The amendment and the revised STA have been filed. We will keep you posted on our progress with the FCC. Please let us know if you have any questions.  
Sincerely,  
Chris

**Christopher R. Bjornson**  
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**From:** Bjornson, Christopher  
**Sent:** Monday, October 18, 2010 3:36 PM  
**To:** 'Paul Blais'; 'Hsing Liu'  
**Cc:** Mamlet, Alfred  
**Subject:** Proposed ESV Network of Blue Marble Network, LLC

Paul and Hsing:

This afternoon, on behalf of Blue Marble Network, LLC, we filed an amendment to its pending ESV application as well as a revised application for special temporary authority for it to conduct beta testing prior to the grant of the permanent application. The amendment and the STA along with the accompanying filing receipts are attached. The amendment and the revised STA reflect our discussions with Hsing and the power levels have been revised to reflect appropriate and consistent levels. Please let us know if you have any questions.

Sincerely,  
Chris

**Christopher R. Bjornson**  
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