

Douglas Young

From: Mike Miller <mlmiller@sterksolutions.com>
Sent: Monday, July 20, 2015 3:18 PM
To: Douglas Young
Cc: Joseph Hill
Subject: Re: Request for Info - File #0227-EX-PL-2015
Attachments: ECAMSAT_SCUOper.pdf; ecstap.txt; ITU.API.Cover.Letter.ECAMSAT.docx

Doug,

The following addresses the items requested:

1. Cost Recovery POC: I work for SCU as contracted staff. handling all satellite radio licensing related matters for Santa Clara University, including payment of fees associated with licensing, which have always been paid directly to FCC by Sterk. The intent is to follow this same practice for the ITU cost recovery fees.

The justification for this is twofold:

- Paying fees associated with satellite radio licensing for Santa Clara University is the responsibility of Sterk Solutions Corporation;

- At this time, the amount of the cost recovery charge is unknown and therefore cannot be budgeted, and internal practices at SCU do not allow them to commit to pay amounts that are not known and not budgeted.

Sterk Solutions has always been prompt with payments to the FCC, and intends to be equally so, with any cost recovery fees invoiced from ITU. We hope that this will be satisfactory.

2. Agency Code: We understand that IB is working on assigning an Agency Code. Please let me know any required action on our part.

3. API spacecap file and cover letter. See attached document ITU.API.Coverletter.ECAMSAT.doc, and ECSTAP.txt, the extension should be changed to .mdb

4. More detailed description for the arrangements concerning the control of the project and the spacecraft: Please see the attached document ECAMSAT_SCUOper.pdf.

5. SHERPA authorization for operations by FCC: Our contacts at Spaceflight Inc., the SHERPA owner, indicate they have been in contact with the FCC, and they intend to file an STA application but had not yet done so as of July 13. Please let me know if more information is required on this and we will go back to Spaceflight for more..

Please let me know any further information required.

Thanks,

Mike

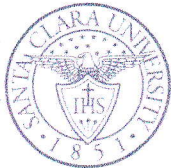
4156 385-3842

On Tue, 30 Jun 2015 18:29:00 0000, Douglas Young <Douglas.Young@fcc.gov> wrote:

Please address the FCC's International Bureau's concerns listed below:

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- > Santa Clara University has provided supporting documents that are not
- > consistent with their application. Specifically, the applicant is
- > typically responsible for the ITU's cost recovery fees.
- > Therefore, the cost recovery letter normally provides a point of
- > contact from the applicant's organization. Can the applicant provide
- > a revised cost recovery letter or provide justification for using
- > another entity for ITU cost recovery fee responsibility?
- >
- > The submitted notification spacecap file provides an Agency Code that
- > is not assigned to the applicant.
- >
- > SCU will need to file an API spacecap file and cover letter for the
- > ITU filing (template attached).
- >
- > Two ODAR questions:
- >
- > 1. The ODAR describes the project as a NASA controlled
- > project, and is signed solely by NASA officials. There also is a
- > statement that control is turned over to Santa Clara after primary
- > mission objectives are met. The applicant should provide a more
- > detailed description for the arrangements concerning control of the
- > overall project, as well as of spacecraft operations.
- >
- > 2. The ODAR indicates that the satellite will be ejected
- > from a "SHERPA" secondary payload. Has the SHERPA been authorized for
- > operations by NTIA or the FCC? (note that the ODAR indicates that the
- > SHERPA may release up to 70 satellites).
- >
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- > The items indicated above must be submitted before processing can
- > continue on the above referenced application. Failure to provide the
- > requested information within 30 days of June 30, 2015 may result in
- > application dismissal pursuant to Section 5.67 and forfeiture of the
- > filing fee pursuant to Section 1.1108.
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- >
- > Doug Young
- > Electronics Engineer
- > Federal Communications Commission
- > Experimental Licensing Branch
- > Phone: (202) 418-2440
- > Fax: (202) 418-1918
- > Email: Douglas.Young@fcc.gov

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SANTA CLARA UNIVERSITY

July 14, 2015

Douglas Young
Electronics Engineer, Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission

Mr. Young:

The purpose of this letter is to confirm our role in operating the NASA EcAMSat spacecraft, currently manifested for launch in December 2015. Santa Clara University is the contracted mission control organization for the EDSN mission, and I am the Mission Operations lead for the mission.

I acknowledge that my mission operations team at Santa Clara University will exercise control of the operational aspects of the EcAMSat experiments. This include the ability – without seeking permission from or consulting with NASA – to shutdown these experiments and/or halt communications to/from these spacecraft in the event that there are any problems, such as radio communication interference issues.

I note that we have been performing this role, in adherence to all such FCC operating requirements, for several NASA missions over the course of the last 9 years. These missions include GeneSat-1, PreSat, NanoSail-D, PharmaSat, NanoSail-DII, O/OREOS, PhoneSat 2.4/2.5, and SporeSat.

Please contact me if you have any further questions or comments regarding Santa Clara University's role in any of the upcoming missions. I can be reached at (408) 554-4382 or via email at ckitts@scu.edu. We look forward to continued operations as per all FCC requirements and regulations.

Regards

A handwritten signature in black ink, appearing to read "Christopher Kitts".

Christopher Kitts, Ph.D.
Director, Robotic Systems Laboratory
Mission Operations Lead, NASA EcAMSat Mission



**FEDERAL COMMUNICATIONS COMMISSION
INTERNATIONAL BUREAU
WASHINGTON, D.C. 20554**



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IN REPLY REFER TO:

800C2/SEBXXXXX

Atila Matas, Head of SPR
Radiocommunication Bureau
International Telecommunication Union
Place des Nations
CH-1211 Geneva 20

Subject: Advance Publication Information for the eCAMSat Satellite network

Dear Sir:

In accordance with the provisions of Article 9.1 and Appendix 4 of the Radio Regulations, the Administration of the United States is submitting a request for the Advance Publication Information of the subject satellite network.

Enclosed is an API file created with Space Capture V.7 of the information for the subject satellite network.

Cost-recovery invoices associated with this filing should be sent to the following point of contact:

Point of Contact Name: Michael L. Miller, Radio Licensing Coordinator

Organization Name: Santa Clara University

Address: Robotic Systems Laboratory
 500 El Camino Real
 Santa Clara, CA 95053

E-Mail: mlmiller@sterksolutions.com

Telephone Number: 01 415 385 3842

Technical questions regarding this submission should be directed to:

Point of Contact Name: Michael L. Miller, Radio Licensing Coordinator

Organization Name: Santa Clara University

Address: Robotic Systems Laboratory
 500 El Camino Real
 Santa Clara, CA 95053

E-Mail: mlmiller@sterksolutions.com

Telephone Number: 01 415 385 3842

We request that a courtesy copy of all correspondence be sent to our Administration also.

Please acknowledge receipt of this information.

Thank you for your kind consideration in this matter.

Sincerely,

Chief, Strategic Analysis and
Negotiations Division
International Bureau

If replying by fax, reply to 1 202 418 1208 (preferred) or 1 202 418 0398 (alternate)