

**SKYSITE COMMUNICATIONS CORPORATION  
11500 SHERMAN WAY  
NORTH HOLLYWOOD, CA 91605**

June 8, 1998

Paul Marrangoni, Chief  
Experimental Licensing Branch  
Office of Engineering and Technology  
Federal Communications Commission  
2000 M Street, Suite 230  
Washington, D.C. 20554

Re: Skysite Communications Corporation  
Experimental Radio Service Application and  
Request for Special Temporary Authority  
File Nos. S3402EXP98 and 6156EXPL98

**Amendment To Application**

Dear Mr. Marrangoni:

Pursuant to the Commission's Request, Skysite Communications Corporation ("Applicant") hereby submits this amendment to its above-referenced application for experimental authorization. In support its application, Applicant provides the following additional information:

**I. Additional Information Regarding the Particulars of Operation**

**A. Power**

*(a) Circuit Switched Services - Transmitter Power and EIRP*

For the circuit switched services, each buoy may be outfitted with one or more of the following antennas:

| Antenna ID | Antenna                     | Antenna Gain | Max. Power into Antenna | Max. EIRP | Max. EIRP/4 kHz |
|------------|-----------------------------|--------------|-------------------------|-----------|-----------------|
| A1         | WEC Mast                    | 7.7          | 4.6 W                   | 12.5      | 12.5 dBW/4 kHz  |
| A2         | WEC Contour Dome            | 11.7         | 3.0 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A3         | WEC Fixed Site (0.76 m)     | 19.9         | 0.5 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A4         | WEC Fixed Site (0.92 m)     | 21.8         | 0.3 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A5         | WEC Maritime Contour Dome   | 11.7         | 3.0 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A6         | WEC Multichannel Fixed Site | 24.2         | 0.2 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A7         | KVH Single Channel Maritime | 14.8         | 1.5 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A8         | MELCO Dome                  | 9.0          | 4.0 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A9         | MELCO Fixed Site            | 17.0         | 0.9 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A10        | MELCO Briefcase             | 14.1         | 1.7 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A11        | MELCO Omniquest             | 11.0         | 3.5 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A12        | Calquest                    | 12.3         | 2.6 W                   | 16.5      | 16.5 dBW/4 kHz  |
| A13        | MELCO Transportation Dome   | 12.0         | 2.8 W                   | 16.5      | 16.5 dBW/4 kHz  |

Maximum Carrier EIRP while off: -45 dBW

*(b) Packet Switched Services - Transmitter Power and EIRP*

For the packet switched services, each buoy may be outfitted with one or more of the following antennas:

| Antenna ID | Antenna               | Antenna Gain | Max. Power into Antenna | Max. EIRP | Max. EIRP/4 kHz |
|------------|-----------------------|--------------|-------------------------|-----------|-----------------|
| D1         | WEC Contour Dome      | 11.7         | 3.0 W                   | 16.5      | 16.5 dBW/4 kHz  |
| D2         | Narrowband Fixed Site | 15.5         | 0.7 W                   | 13.8      | 13.8 dBW/4 kHz  |
| D3         | Narrowband Mobile     | 12.0         | 2.5 W                   | 16.0      | 16.0 dBW/4 kHz  |
| D4         | Eaton Mobile          | 12.1         | 2.5 W                   | 16.1      | 16.1 dBW/4 kHz  |

Maximum Carrier EIRP while off: -45 dBW

**B. Type of Emission**

1. Modulation Scheme = DQPSK
2. Emission Designation = 5K00G9W

## **II. Location Information Relating to MSAT-1.**

MSAT-1 is a geostationary satellite located at 106.5° W.L. It should be noted that MSAT-1 may be temporarily relocated to 101° W.L. *See* AMSC License Modification, File Nos. 29 SAT-ML-98 and 627-SSA-MP/1-98.

## **III. Verification**

In order to verify the proposed arrangement with Applicant and the National Oceanic Atmospheric Administration (Telecommunications Service Authorization PO #NA-98-QAF-9819), the Commission should contact:

How Brown  
National Data Buoy Center  
Stennis Space Center, MS 39529  
(228) 688-1706

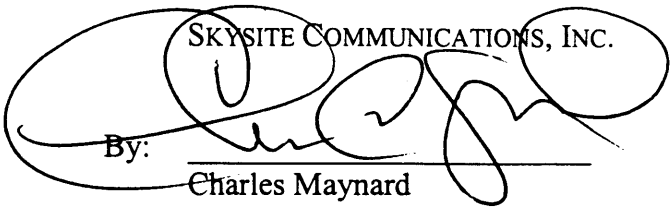
In addition, attached hereto is a Request For Quotation (RFQ) relating to what will be the initial phase of the experiment requested by the above-referenced application. If the testing in the initial phase is successful, Applicant anticipates additional testing throughout U.S. coastal waters over the next two years

## **IV. Scope of Service**

Pursuant to Section 5.202(b) of the Commission's Rules, Applicant has requested an authorization in order to conduct an experiment at the behest of the United States Government. Applicant will be compensated for its experimental work. To the extent necessary, because Applicant will receive compensation for the experiment, in an abundance of caution, Applicant has also requested authority to conduct a market test under Section 5.202(j) of the Commission's Rules. However, Applicant will not offer or provide the services described in the above-referenced application to any person or entity other than agencies of the U.S. Government, *e.g.*, NOAA and the National Buoy Center, and potentially the Federal Aviation Administration.

If the Commission should require additional information regarding this amendment of the above-referenced application or the request for special temporary authority, please contact our communications counsel, Paul G. Madison, at Kelley Drye & Warren, 1200 19<sup>th</sup> Street, Suite 500, Washington, D.C. 20036, (202) 955-9779.

Respectfully submitted,

SKYSITE COMMUNICATIONS, INC.  
By:   
Charles Maynard 8/June/98

Attachment

Commerce Business Daily

June 8, 1998

SECTION: U.S. GOVERNMENT PROCUREMENTS; Services; Issue No. PSA-2111

CATEGORY: D -- Information Technology Services, including Telecommunication Services

CONTRACTING OFFICE: U. S. Department of Commerce, National Data Buoy Center, Stennis Space Center, MS 39529-6000

SUBJECT: D -- TELECOMMUNICATIONS

BODY:

SOL NA98QAF98172 DUE 062398 POC Sandra J. Mueller, (228)688-1706 This is a combined synopsis/solicitation for commercial items prepared in accordance with the format in Subpart 12.6, as supplemented with additional information included in this notice. This announcement constitutes the only solicitation; proposals are being requested and a written solicitation will not be issued. The solicitation document and incorporated provisions and clauses are those in effect through Federal Acquisition Circular 97-04. This procurement is not a small business set-aside. There is only one line item: 0001 L-Band Satellite Service, billed monthly in arrears, beginning July 1, 1998 for an initial period of 4 months. The following requirements apply: One full-period voice circuit through MSAT1 satellite operated by TMI in Ottawa, Ontario; must operate through Westinghouse Series 1000 L-band satellite telephone with both voice and packet-switched data communications; 4-wire circuit connection at the TMI facility with the capability to interface with a land line circuit; FAA licensed to provide services at Stennis Space Center, Mississippi, as well as 40 miles offshore in the Gulf of Mexico; capable of being remotely transferred from primary equipment to secondary/stand-by Westinghouse Series 1000 satellite telephone. The provisions at 52.212-1, Instructions to Offerors-Commercial, 52.212-4, Contract Terms and Conditions-Commercial, and 52.212-5, Contract Terms and Conditions Required to Implement Statutes or Executive Orders-Commercial, apply to this acquisition. There are no addenda to these provisions. Offerors must include a completed copy of the provisions at 52.214-3, Offeror Representations and Certifications-Commercial Items with their offer. Include your DUNS number with offer. OFFERS ARE DUE JUNE 23, 1998 AT 4:00 PM LOCAL TIME. For information about this solicitation contact Sandra J. Mueller, Contracting Officer, phone (228) 688-1706 or fax to (228) 688-3153. NOTE: This procurement is a Request for Quotation (RFQ).