Approved by OMB
3060–0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu:
STA for C–band ESV Antenna Jack St. Malo

1. Applicant

Name:	Stratos Offshore Services Company	**Phone Number:**	202–696–1381
DBA Name:		**Fax Number:**	202–248–5177
Street:	1101 Connecticut Avenue, NW Suite 1200	**E–Mail:**	bruce.henoch@inmarsat.com
City:	Washington	**State:**	DC
Country:	USA	**Zipcode:**	20036 –
Attention:	Bruce Henoch		

GRANTED International Bureau

File # SES-STA-20131112-00966
E980235
Call Sign Grant Date 11-26-13
(or other identifier)
Term Dates
From 12-1-13 To 12-31-13
Approved

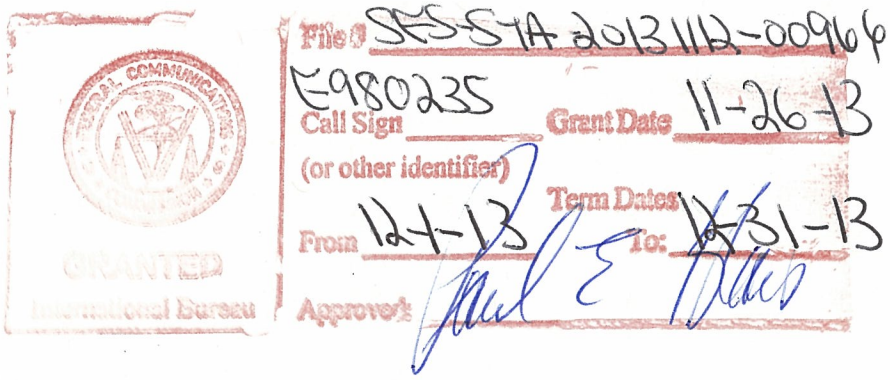
Applicant: Stratos Offshore Services Company
Call Sign: E980235
File No: SES-STA-20131112-00966
Special Temporary Authority (STA)

1. Operations under this STA shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.

2. Grant of this STA is without prejudice to any determination that the Commission may make regarding other pending applications, e.g., IBFS File Nos. SES-MOD-20131112-00965 or future STA requests.

3. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Stratos Offshore Services Company's risk.

4. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. §0.261, and is effective immediately.



2. Contact

Name:	Elizabeth Park	**Phone Number:**	202-637-2200
Company:	Latham & Watkins LLP	**Fax Number:**	202-637-2201
Street:	555 Eleventh Street, NW Suite 1000	E-Mail:	elizabeth.park@lw.com
City:	Washington	**State:**	DC
Country:	USA	**Zipcode:**	20004 -1304
Attention:	Elizabeth Park	**Relationship:**	Legal Counsel

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)
3. Reference File Number or Submission ID IB2013002587

4a. Is a fee submitted with this application?
◉ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
○ Governmental Entity ○ Noncommercial educational licensee
○ Other(please explain):

4b. Fee Classification CGV – Fixed Satellite VSAT System

5. Type Request

◉ Use Prior to Grant ○ Change Station Location ○ Other

6. Requested Use Prior Date 12/01/2013	
7. CityGulf of Mexico	8. Latitude (dd mm ss.s h) 26 15 0.0 N

9. State	10. Longitude (dd mm ss.s h) 91 27 36.0 W

11. Please supply any need attachments.

Attachment 1: STA Request Attachment 2: Coordination Report Attachment 3:

12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

See attachments.

13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.

(●) Yes ( ) No

14. Name of Person Signing	15. Title of Person Signing
Bruce Henoch	General Counsel

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD–PERM, Paperwork Reduction Project (3060–0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060–0678.

THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104–13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for

Inmarsat
Jack St. Malo, Gulf of Mexico
(Oil Platform)

Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Virginia 20147
November 5, 2013

TABLE OF CONTENTS

1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

The following companies reported potential great circle interference conflicts that did not meet the objectives on a line-of-sight basis. When over-the-horizon losses are considered on the interfering paths, sufficient blockage exists to negate harmful interference from occurring with the proposed transmit-receive earth station.

Company

None

No carriers reported potential interference cases.

3. SUPPLEMENTAL SHOWING

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations.

Expedited coordination data for this earth station was emailed and sent to the below listed carriers with a letter dated October 31, 2013.

Company

Comsearch

4. EARTH STATION COORDINATION DATA

This section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 http://www.comsearch.com

Date:	11/05/2013
Job Number:	131031COMSJC07

Administrative Information

Status	ENGINEER PROPOSAL
Call Sign	
Licensee Code	INMSAT
Licensee Name	Inmarsat

Site Information — JACK ST. MALO, GULF of MEXICO

Venue Name	
Latitude (NAD 83)	26° 15' 0.0" N
Longitude (NAD 83)	91° 27' 36.0" W
Climate Zone	B
Rain Zone	1
Ground Elevation (AMSL)	0.0 m / 0.0 ft

Link Information

Satellite Type	Geostationary
Mode	TR - Transmit-Receive
Modulation	Digital
Satellite Arc	32° W to 139° West Longitude
Azimuth Range	104.6° to 248.0°
Corresponding Elevation Angles	18.9° / 29.7°
Antenna Centerline (AGL)	44.0 m / 144.4 ft

Antenna Information

	Receive	Transmit
Manufacturer	Sea Tel	Sea Tel
Model	9797	9797
Gain / Diameter	38.5 dBi / 2.4 m	41.7 dBi / 2.4 m
3-dB / 15-dB Beamwidth	2.04° / 3.80°	1.40° / 2.64°

				Transmit 1M03G7W	Transmit 3M41G7W
Max Available RF Power	(dBW/4 kHz)			-9.3	-14.5
	(dBW/MHz)			14.7	9.5
Maximum EIRP	(dBW/4 kHz)			32.4	27.2
	(dBW/MHz)			56.4	51.2
	(dBW)			56.5	56.5
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	1M03G7W - 3M41G7W / 3700.0 - 4200.0	1M03G7W - 3M41G7W / 5925.0 - 6425.0
Max Great Circle Coordination Distance	558.1 km / 346.7 mi	221.5 km / 137.6 mi
Precipitation Scatter Contour Radius	583.2 km / 362.3 mi	100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 http://www.comsearch.com

Coordination Values	**JACK ST. MALO, GM**			
Licensee Name	Inmarsat			
Latitude (NAD 83)	26° 15' 0.0" N			
Longitude (NAD 83)	91° 27' 36.0" W			
Ground Elevation (AMSL)	0.0 m / 0.0 ft			
Antenna Centerline (AGL)	44.0 m / 144.4 ft			
Antenna Model	Sea Tel 9797			
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power			-9.3 (dBW/4 kHz)	

			Receive 4.0 GHz		Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	103.82	-10.00	412.20	-10.00	166.11
5	0.00	99.10	-10.00	412.20	-10.00	166.11
10	0.00	94.38	-10.00	412.20	-10.00	166.11
15	0.00	89.65	-10.00	412.20	-10.00	166.11
20	0.00	84.92	-10.00	412.20	-10.00	166.11
25	0.00	80.19	-10.00	412.20	-10.00	166.11
30	0.00	75.47	-10.00	412.20	-10.00	166.11
35	0.00	70.77	-10.00	412.20	-10.00	166.11
40	0.00	66.08	-10.00	412.20	-10.00	166.11
45	0.00	61.42	-10.00	412.20	-10.00	166.11
50	0.00	56.79	-10.00	412.20	-10.00	166.11
55	0.00	52.20	-10.00	412.20	-10.00	166.11
60	0.00	47.67	-9.96	412.74	-9.96	166.31
65	0.00	43.22	-8.89	426.19	-8.89	171.38
70	0.00	38.87	-7.74	441.24	-7.74	177.07
75	0.00	34.67	-6.50	458.08	-6.50	183.44
80	0.00	30.67	-5.17	476.17	-5.17	190.53
85	0.00	26.98	-3.77	496.64	-3.77	198.65
90	0.00	23.72	-2.38	518.02	-2.38	206.66
95	0.00	21.12	-1.12	538.11	-1.12	214.13
100	0.00	19.42	-0.21	553.00	-0.21	219.63
105	0.00	18.89	0.09	558.06	0.09	221.49
110	0.00	19.61	-0.31	551.30	-0.31	219.00
115	0.00	21.46	-1.29	535.33	-1.29	213.10
120	0.00	24.17	-2.58	514.84	-2.58	205.47
125	0.00	27.50	-3.98	493.50	-3.98	197.46
130	0.00	31.25	-5.37	473.26	-5.37	189.43
135	0.00	35.28	-6.69	455.48	-6.69	182.46
140	0.00	39.28	-7.85	439.73	-7.85	176.50
145	0.00	43.12	-8.87	426.50	-8.87	171.50
150	0.00	46.76	-9.75	415.34	-9.75	167.29
155	0.00	50.13	-10.00	412.20	-10.00	166.11
160	0.00	53.14	-10.00	412.20	-10.00	166.11
165	0.00	55.69	-10.00	412.20	-10.00	166.11
170	0.00	57.65	-10.00	412.20	-10.00	166.11
175	0.00	58.90	-10.00	412.20	-10.00	166.11
180	0.00	59.33	-10.00	412.20	-10.00	166.11
185	0.00	58.90	-10.00	412.20	-10.00	166.11

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 http://www.comsearch.com

Coordination Values	**JACK ST. MALO, GM**			
Licensee Name	Inmarsat			
Latitude (NAD 83)	26° 15' 0.0" N			
Longitude (NAD 83)	91° 27' 36.0" W			
Ground Elevation (AMSL)	0.0 m / 0.0 ft			
Antenna Centerline (AGL)	44.0 m / 144.4 ft			
Antenna Model	Sea Tel 9797			
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power			-9.3 (dBW/4 kHz)	

			Receive 4.0 GHz		Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	57.65	-10.00	412.20	-10.00	166.11
195	0.00	55.69	-10.00	412.20	-10.00	166.11
200	0.00	53.14	-10.00	412.20	-10.00	166.11
205	0.00	50.13	-10.00	412.20	-10.00	166.11
210	0.00	46.76	-9.75	415.34	-9.75	167.29
215	0.00	43.22	-8.89	426.17	-8.89	171.38
220	0.00	39.91	-8.03	437.46	-8.03	175.64
225	0.00	36.90	-7.18	448.81	-7.18	179.93
230	0.00	34.29	-6.38	459.71	-6.38	184.06
235	0.00	32.18	-5.69	468.74	-5.69	187.72
240	0.00	30.67	-5.17	476.19	-5.17	190.54
245	0.00	29.85	-4.87	480.44	-4.87	192.15
250	0.00	29.78	-4.85	480.81	-4.85	192.29
255	0.00	30.46	-5.09	477.24	-5.09	190.94
260	0.00	31.85	-5.58	470.32	-5.58	188.31
265	0.00	33.86	-6.24	461.62	-6.24	184.78
270	0.00	36.38	-7.02	450.89	-7.02	180.72
275	0.00	39.32	-7.87	439.57	-7.87	176.44
280	0.00	42.59	-8.73	428.24	-8.73	172.16
285	0.00	46.11	-9.59	417.26	-9.59	168.01
290	0.00	49.83	-10.00	412.20	-10.00	166.11
295	0.00	53.71	-10.00	412.20	-10.00	166.11
300	0.00	57.71	-10.00	412.20	-10.00	166.11
305	0.00	61.80	-10.00	412.20	-10.00	166.11
310	0.00	65.97	-10.00	412.20	-10.00	166.11
315	0.00	70.19	-10.00	412.20	-10.00	166.11
320	0.00	74.46	-10.00	412.20	-10.00	166.11
325	0.00	78.76	-10.00	412.20	-10.00	166.11
330	0.00	83.09	-10.00	412.20	-10.00	166.11
335	0.00	87.43	-10.00	412.20	-10.00	166.11
340	0.00	91.77	-10.00	412.20	-10.00	166.11
345	0.00	96.11	-10.00	412.20	-10.00	166.11
350	0.00	100.43	-10.00	412.20	-10.00	166.11
355	0.00	104.74	-10.00	412.20	-10.00	166.11

5. CERTIFICATION

I HEREBY CERTIFY THAT I AM THE TECHNICALLY QUALIFIED PERSON RESPONSIBLE FOR THE PREPARATION OF THE FREQUENCY COORDINATION DATA CONTAINED IN THIS APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Jeffrey E. Cowles

Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, Va 20147

DATED: November 5, 2013

Request for Special Temporary Authority

Stratos Offshore Services Company ("Stratos") requests special temporary authority ("STA") to operate a Seatel 9797 ESV antenna in the 3.7-4.2 GHz and 5.925-6.425 GHz bands on the Chevron Jack St. Malo, a U.S.-flagged floating offshore drilling and production platform located in the Gulf of Mexico. The platform will be located more than 200 km from the baseline of the United States, and coordination has been completed to ensure that any U.S.-licensed fixed service offshore installations within 200 km of the oil platform site will be adequately protected. Included in this submission is a coordination report showing that there are no fixed service sites within 200 km of the area of operations of this ESV antenna location that will be affected by the proposed operations.

Stratos requests authority commencing on December 1, 2013 for a period of 60 days. Stratos has pending an application to modify license call sign E980235 seeking full authority for Seatel 9797 C-Band ESV antenna, along with the coordination notification for this deployment site. That application contains all of the relevant technical parameters and showings required by Section 25.221. The proposed ESV antenna operations comply with Section 25.221 of the Commission's rules.

The Jack St. Malo deepwater drilling and production platform is a newly constructed vessel which will be towed from its current location in a shipyard near Corpus Christi, Texas, to its final location in international waters in the Gulf of Mexico. Towing of the platform will commence on or about November 18, 2013, and deployment at the operational location is expected on December 1, 2013. During the pre-deployment testing at the dock and during the tow to the final operational location, the Jack St. Malo will use a Ku Band VSAT antenna licensed under Stratos's ESV license call sign E070114 for telemetry control and tracking of the vessel's operations, as well as data communications.

However, Stratos and its customer have determined that Ku Band communications, which may be susceptible to rain fade outages in the harsh weather conditions present in the deep waters of the Gulf of Mexico region, do not provide a sufficient level of reliability for the telemetry, tracking and data communications from the vessel once it reaches its ultimate location. C Band operations, on the other hand, offer greater reliability than Ku Band operations in such an operating environment. The telemetry, tracking and data communications are critical for the safety of personnel and for reliable equipment control and environmental monitoring. Because the timing of deployment of the vessel coincides with hurricane season, there is greater risk of harsh weather conditions, and expedited authority for C Band operations is needed while the full license application is pending. Therefore, grant of the STA will facilitate safety and emergency communications upon the vessel's arrival at the operational location. Thus, an STA is warranted and in the public interest in this case.

Because the proposed STA operations conform to the parameters in Section 25.221 for routine ESV operations and have been fully coordinated, any adjacent operations will be fully protected. Nevertheless, Stratos will make available a 24/7 point of contact in the event that any issues arise in connection with the operations under the requested STA. Personnel will be on duty at all times during the STA period and can be contacted at (800) 375-1562.