

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Formula 1race, Austin, TX, 13-17 November 2013, 3 x Flyaways

1. Applicant

Name: Multi-Link Holland **Phone Number:** +31356035382
DBA Name: **Fax Number:** +31356035142
Street: Hermesweg 20 **E-Mail:** planning@multi-link.tv
City: Baarn **State:** -
Country: **Zipcode:** -
Attention: Mr Marco J van Uffelen

SES-STA-20131108-00961
Call Sign None Grant Date 11-2013
(or other identifier) Term Dates
From 11-13-13 To: 11-17-13
Approved: Mark E. Allen
Administrative Grant

Applicant: Muti-Link Holland
Call Sign: None
File No: SES-STA-20131108-00961
Special Temporary Authority (STA)

We will grant it only for this requested period. We will restrict the antenna location. We will condition the frequency band usage, and we will impose frequency coordination before transmit. The following are the conditions for grant:

- (1) This Special Temporary Authorization (STA) is granted for five days, starting from November 13, 2013 and ending on November 17, 2013.
- (2) The approved transmit frequency band is C-band from 5,925 MHz to 6,425 MHz. No other frequency bands such as extended C-band from 5,875-5,925 MHz are permitted for operations.
- (3) The transmit antenna site is located at {Latitude 30° 07' 57" and Longitude 97° 38' 27"}.
- (4) Part 25.277 rules governing temporary fixed earth station operations apply.



File # SES-STA-20131108-00961
Call Sign None Grant Date 11-20-13
(or other identifier)
Term Dates
From 11-13-13 To 11-17-13
Approver: [Signature]
Administrative Grant

2. Contact

Name: Marco van Uffelen **Phone Number:** +31612588224
Company: Multi-Link Holland **Fax Number:**
Street: Hermesweg 20 **E-Mail:** mvanuffelen@multi-link.tv
3741GP
City: Baarn **State:**
Country: Netherlands **Zipcode:** 3741 -G{
Attention: **Relationship:** Engineer

(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

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 CGB – Mobile Satellite Earth Stations

5. Type Request

Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date
11/13/2013

7. City Austin, TX
8. Latitude
(dd mm ss.s h) 30 7 57.0 N

9. State TX	10. Longitude (dd mm ss.s h) 97 38 27.0 W
11. Please supply any need attachments. Attachment 1: HOL290 Attachment 2: HOL291 Attachment 3: HOL292	
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.) NULL	
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 <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Marco van Uffelen	15. Title of Person Signing Engineer
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.

SATELLITE EARTH STATION AUTHORIZATIONS
 FCC Form 312 - Schedule B:(Technical and Operational Description)

Location of Earth Station

E1. Site Identifier: Circuit of the Americas, Formula 1		E5. Call Sign: Hol 290	
E2. Contact Name:Gerben Vissers		E6. Phone Number:+31 6 10735667	
E3. Street: Name 9201 Circuit of the Americas Boulevard		E7. City: Austin, TX	
		E8. County USA	
E4. State Texas		E9. Zip Code 78617	
E10. Area of Operation: Formula 1 circuit			
E11. Latitude: 30°07` ,57`` °N			
E12. Longitude: 97°38`27`` °W			
E13. Lat/Lon Coordinates are:		NAD-27	NAD-83 x N/A
E14. Site Elevation (AMSL): meters 3			

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and(b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.	Yes
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as Exhibit D	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	No

POINTS OF COMMUNICATION

Satellite Name: Intelsat 805	
E21. Common Name: Intelsat 805	E22. ITU Name:
E23. Orbit Location: 055.45 °W	E24. Country: USA

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier: Circuit of the Americas, F1	Austin, Texas
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E 32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve (dBi at GHz)
Austin	Hol 290	1	Gigaset	FA 370	3,7m	45.5 dBi @6Ghz

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
Hol 290	3,7	2m	2m	5.7m	300	5,7	70

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)
Hol 290	6268	T	V	12MOD7W	70	
E50. Modulation and Services: DVB-S2 8PSK, 3/4 12 MHz carrier MPEG-4 HD video						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits (MHz)	E54/55. Range of Satellite Arc Eastern/Western Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward th Horizon (dBW/4kt)
Hol 290	Geostationary	5875-6425	+ - 60°	°60	°90	°60	°90	40

REMOTE CONTROL POINT LOCATION

E61. Call Sign: N/A		E66. Phone Number +31 6 10735667	
NOTE: Please enter the callsign of the controlling station, not the call sign for which this application is being filed.			
E62. Street Address: 9201 Circuit of the Americas Boulevard			
E63. City: Austin	E68. Texas	E67/68.	E64. 78617

SATELLITE EARTH STATION AUTHORIZATIONS
 FCC Form 312 - Schedule B:(Technical and Operational Description)

Location of Earth Station

E1. Site Identifier: Circuit of the Americas, Formula 1		E5. Call Sign: Hol 291	
E2. Contact Name:Gerben Vissers		E6. Phone Number:+31 6 10735667	
E3. Street: Name 9201 Circuit of the Americas Boulevard		E7. City: Austin, TX	
		E8. County USA	
E4. State Texas		E9. Zip Code 78617	
E10. Area of Operation: Formula 1 circuit			
E11. Latitude: 30°07` ,57'' °N			
E12. Longitude: 97°38`27'' °W			
E13. Lat/Lon Coordinates are:		NAD-27	NAD-83 x N/A
E14. Site Elevation (AMSL): meters 3			

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and(b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two-degree spacing policy.	Yes
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as Exhibit D	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	No
E20. FAA Notification - (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	No

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Satellite Name: Intelsat 805	
E21. Common Name: Intelsat 805	E22. ITU Name:
E23. Orbit Location: 055.45 °W	E24. Country: USA

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier Circuit of the Americas	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E 32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve (dBi at GHz)
Austin	Hol 291	1	Gigaset	FA 370	3,7m	45.5 dBi @6Ghz

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Hol 291	3,7	2m	2m	5.7m	300	5,7	70

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands(MHz)	E45. T/R Mode	E46. Antenna Polarization (H,V,L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier(dBW)	E49. Maximum ERIP Density per Carrier(dBW/4kHz)
Hol 291	6268	T	V	12MOD7W	70	
E50. Modulation and Services:						
E50. Modulation and Services: DVB-S2 8PSK, 3/4 12 MHz carrier MPEG-4 HD video TV transmission						

FREQUENCY COORDINATION

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits (MHz)	E54/55. Range of Satellite Arc Eastern/Western Limit	E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward th Horizon (dBW/4kHz)
Hol 291	Geostationary	5875-6425	+ - 60°	°60	°90	°60	°90	40

REMOTE CONTROL POINT LOCATION

E61. Call Sign: N/A		E66. Phone Number +31 6 10735667	
NOTE: Please enter the callsign of the controlling station, not the call sign for which this application is being filed.			
E62. Street Address: 9201 Circuit of the Americas Boulevard			
E63. City: Austin	E68. Texas	E67/68.	E64. 78617

SATELLITE EARTH STATION AUTHORIZATIONS
 FCC Form 312 - Schedule B:(Technical and Operational Description)

Location of Earth Station

E1. Site Identifier: Circuit of the Americas, Austin TX		E5. Call Sign: Hol 292	
E2. Contact Name:Gerben Vissers		E6. Phone Number:+31 6 10735667	
E3. Street: Name 9201 Circuit of the Americas Boulevard		E7. City: Austin, TX	
		E8. County USA	
E4. State Texas		E9. Zip Code 78617	
E10. Area of Operation: Formula 1 circuit			
E11. Latitude: 30°07` ,57` °N			
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POINTS OF COMMUNICATION

Satellite Name: SES-6	
E21. Common Name:SES -6	E22. ITU Name:
E23. Orbit Location: 040.48 °W	E24. Country: USA

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier Circuit of the Americas	
E26. Common Name:	E27. Country: USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E 32. Antenna Size	E41/42. Antenna Gain Transmint and/or Recieve (dBi at GHz)
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Hol 292	6308	T	LH	12MOD7W	70	
E50. Modulation and Services:						
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The Broadband Data Improvement Act (BDIA, 47 U.S.C. § 1303(b)) requires the Commission to include in its annual broadband progress report “information comparing the extent of broadband service capability (including data transmission speeds and price for broadband service capability) in a total of 75 communities in at least 25 countries for each of the data rate benchmarks for broadband service utilized by the Commission to reflect different speed tiers.” The BDIA directs the Commission to assess broadband capability in international communities comparable to U.S. communities with respect to population size, population density, topography, and demographic profile. The Commission is also directed to include “a geographically diverse selection of countries” and “communities including the capital cities of such countries.” To fulfill the BDIA mandate, and pursuant to delegated authority, the International Bureau has prepared and released the annual International Broadband Data Report (IBDR) three times since 2010. Release of the IBDR is coordinated with release of the Section 706 Report, which incorporates the IBDR by reference.

The International Bureau completed a draft of the 4th annual IBDR in July 2013 sent it to the office of Chairwoman Clyburn on July 24. On August 5, 2013, IB circulated the IBDR to all Commissioner offices, stating the Bureau’s intention to release the IBDR concurrently with the release of the Commissions 706 report, which at that time was anticipated in the near future. However, since the Section 706 report did not receive votes from all offices and was not released, IB has not released the IBDR.

The Fourth IBDR presents our comparison of U.S. and European Union broadband deployment in rural areas; our comparison of actual broadband speeds encountered in our 40-country survey; and our comparison of broadband prices (both fixed and mobile plans) across the same 40 countries (mostly OECD countries). As with previous IBDRs, we have also gathered demographic data and regulatory/market data for the surveyed countries (to the extent available).

The Commission must “identify relevant similarities and differences in each community, including their market structures, the number of competitors, the number of facilities-based providers, the types of technologies deployed by such providers, the applications and services those technologies enable, the regulatory model under which broadband service capability is provided, the types of applications and services used, business and residential use of such services, and other media available to consumers.”

Section 103(b) of the Broadband Data Improvement Act (BDIA) requires that the Commission provide comparative international information on broadband services. Through the presentation of this data, we have the opportunity to evaluate the rate of broadband adoption in the United States and the country’s broadband speeds, and prices in comparison to the international community. International data can serve as useful benchmarks for progress in fixed and mobile broadband accessibility. On the pages that follow, we present our comparison of U.S. and European Union (EU) broadband deployment in rural areas; our comparison of actual broadband speeds encountered in our 40-country survey; and our comparison of broadband prices (both fixed and mobile plans) across the same 40 countries. The countries we have selected for comparison are the same as those we included in the 2012 IBDR, with

the exception that for this Report we added Brazil and India, two countries with rapidly growing broadband markets and influential economies in their regions. As with previous IBDRs, we have also gathered demographic data and regulatory/market data for the surveyed countries (to the extent available). The majority of this information is presented in the appendices to this report.

[Prior to preparation of the first International Broadband Data Report (IBDR) in 2010, the Office of the General Counsel determined that the International Bureau can release the report on delegated authority. IB has therefore prepared and released all IBDRs on schedule in sync with that of the Commission's Section 706 Report. The Commission has incorporated the IBDR by reference into the Section 706 Report.]