

S1. GENERAL INFORMATION Complete for all satellite applications.

a. Space Station or Satellite Network Name: BOEING NAGEM-T	e. Estimated Date of Placement into Service: 7/17/2007	i. Will the space station(s) operate on a Common Carrier Basis: N
b. Construction Commencement Date: 7/17/2004	f. Estimated Lifetime of Satellite(s): 12 Years	j. Number of transponders offered on a common carrier basis:
c. Construction Completion Date: 1/17/2007	g. Total Number of Transponders: 1	k. Total Common Carrier Transponder Bandwidth: MHz
d. Estimated Launch Date: 2/17/2007	h. Total Transponder Bandwidth (no. transponders x Bandwidth) 20 MHz	i. Orbit Type: Mark all boxes that apply: <input type="checkbox"/> GSO <input type="checkbox"/> NGSO

S2. OPERATING FREQUENCY BANDS Identify the frequency range and transmit/receive mode for all frequency bands in which this station will oper
Also indicate the nature of service(s) for each frequency band.

Frequency Band Limits				e. T/R Mode	f. Nature of Service(s): List all that apply to this band
Lower Frequency (.Hz)		Upper Frequency (.Hz)			
a. Numeric	b. Unit (K/M/G)	c. Numeric	d. Unit (K/M/G)		
2000	M	2020	M	R	Mobile-Satellite Service
2180	M	2200	M	T	Mobile-Satellite Service
12.75	G	13.25	G	R	Fixed Satellite Service
10.825	G	10.95	G	T	Fixed Satellite Service

S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:

a. Nominal Orbital Longitude (Degrees E/W): 121 W	b. Alternate Orbital Longitude (Degrees E/W):		c. Reason for orbital location selection: The orbit location selected provides good coverage of the United States and also provides acceptable coordination opportunities for the selected feeder link frequencies.
Longitudinal Tolerance or E/W Station-Keeping:	f. Inclination Excursion or N/S Station-Keeping Tolerance:	Range of orbital arc in which adequate service can be provided (Optional): <u>Degrees</u> <u>E/W</u>	
d. Toward West: 0.1 Degrees e. Toward East: 0.1 Degrees	6 Degrees	g. Westernmost: h. Easternmost:	
i. Reason for service arc selection (Optional): The range of orbital arc selected provides good coverage of the United States and also provides acceptable coordination opportunities for the selected feeder link frequencies.			

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S4. ORBITAL INFORMATION FOR NON-GEOSTATIONARY SATELLITES ONLY

S4a. Total Number of Satellites in Network or System:

S4c. Celestial Reference Body (Earth, Sun, Moon, etc.):

S4b. Total Number of Orbital Planes in Network or System:

S4d. Orbit Epoch Date:

For each Orbital Plane Provide:

(e) Orbital Plane No.	(f) No. of Satellites in Plane	(g) Inclination Angle (degrees)	(h) Orbital Period (Seconds)	(i) Apogee (km)	(j) Perigee (km)	(k) Right Ascension of the Ascending Node (Deg.)	(l) Argument of Perigee (Degrees)	Active Service Arc Range (Degrees)		
								(m) Begin Angle	(n) End Angle	(o) Other

S5. INITIAL SATELLITE PHASE ANGLE For each satellite in each orbital plane, provide the initial phase angle.

(a) Orbital Plane No.	(b) Satellite Number	(c) Initial Phase Angle (Degrees)

NO NGSO DATA FILED

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S6. SERVICE AREA CHARACTERISTICS for each service area provide:

(a) Service Area ID	(b) Type of Associated Station (Earth or Space)	(c) Service Area Diagram File Name (GXT File)	(d) Service Area Description. Provide list of geographic areas (state postal codes or ITU 3-ltr codes), satellites or Figure No. of Service Area Diagram.
USA-GATEWA	E		USA
USA-2GHZ	E		USA, AK, HI, PR, USVI

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S8. ANTENNA BEAM DIAGRAMS For each beam pattern provide the reference to the graphic image and numerical data:
 Also provide the power flux density levels in each beam that result from the emission with the highest power flux density.

(a) Beam ID	(b) T/R Mode	(c) Co-or Cross Polar Mode ("C" or" X")	(d) GSO Ref. Orbital Longitude (Deg. E/W)	(e) NGSO Antenna Gain Contour Description (Figure/Table/ Exhibit)	(f) GSO Antenna Gain Contour Data (GXT File)	Max. Power Flux Density (dBW/M2/Hz)				
						At Angle of Arrival above horizontal (for emission with highest PFD)				
						(g) 5 Deg	(h) 10 Deg	(i) 15 Deg	(j) 20 Deg	(k) 25 Deg
KUV	R	C	-121		kuv.gxt					
KUH	R	C	-121		kuh.gxt					
KDV	T	C	-121		kdv.gxt	-151	-151	-151	-151	-150
KDH	T	C	-121		kdh.gxt	-151	-151	-151	-151	-150
SU	R	C	-121		su.gxt					
SD	T	C	-121		sd.gxt	-125	-125	-120	-119	-119

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S9. SPACE STATION CHANNELS For each frequency channel provide: S10. SPACE STATION TRANSPONDERS For each transponder provide:

(a) Channel No.	(B) Assigned Bandwidth (kHz)	(c) T/R Mode	(d) Center Frequency (MHz)	(e) Polarization (H, V, L, R)	(f) TTC or Comm Channel (T or C)
UA001	31.25	R	2000.015625	R	C
UA002	31.25	R	2000.046875	R	C
UA003	31.25	R	2000.078125	R	C
UA004	31.25	R	2000.109375	R	C
UA005	31.25	R	2000.140625	R	C
UA006	31.25	R	2000.171875	R	C
UA007	31.25	R	2000.203125	R	C
UA008	31.25	R	2000.234375	R	C
UA009	31.25	R	2000.265625	R	C
UA010	31.25	R	2000.296875	R	C
UA011	31.25	R	2000.328125	R	C
UA012	31.25	R	2000.359375	R	C
UA013	31.25	R	2000.390625	R	C
UA014	31.25	R	2000.421875	R	C
UA015	31.25	R	2000.453125	R	C
UA016	31.25	R	2000.484375	R	C
UA017	31.25	R	2000.515625	R	C
UA018	31.25	R	2000.546875	R	C
UA019	31.25	R	2000.578125	R	C
UA020	31.25	R	2000.609375	R	C
UA021	31.25	R	2000.640625	R	C
UA022	31.25	R	2000.671875	R	C
UA023	31.25	R	2000.703125	R	C
UA024	31.25	R	2000.734375	R	C
UA025	31.25	R	2000.765625	R	C
UA026	31.25	R	2000.796875	R	C
UA027	31.25	R	2000.828125	R	C
UA028	31.25	R	2000.859375	R	C
UA029	31.25	R	2000.890625	R	C
UA030	31.25	R	2000.921875	R	C

(a) Transponder ID	(b) Transponder Gain (dB)	Receive Band		Transmit Band	
		(c) Channel No.	(d) Beam ID	(e) Channel No.	(f) Beam ID

UA031	31.25	R	2000.953125	R	C
UA032	31.25	R	2000.984375	R	C
UA033	31.25	R	2001.015625	R	C
UA034	31.25	R	2001.046875	R	C
UA035	31.25	R	2001.078125	R	C
UA036	31.25	R	2001.109375	R	C
UA037	31.25	R	2001.140625	R	C
UA038	31.25	R	2001.171875	R	C
UA039	31.25	R	2001.203125	R	C
UA040	31.25	R	2001.234375	R	C
UA041	31.25	R	2001.265625	R	C
UA042	31.25	R	2001.296875	R	C
UA043	31.25	R	2001.328125	R	C
UA044	31.25	R	2001.359375	R	C
UA045	31.25	R	2001.390625	R	C
UA046	31.25	R	2001.421875	R	C
UA047	31.25	R	2001.453125	R	C
UA048	31.25	R	2001.484375	R	C
UA049	31.25	R	2001.515625	R	C
UA050	31.25	R	2001.546875	R	C
UA051	31.25	R	2001.578125	R	C
UA052	31.25	R	2001.609375	R	C
UA053	31.25	R	2001.640625	R	C
UA054	31.25	R	2001.671875	R	C
UA055	31.25	R	2001.703125	R	C
UA056	31.25	R	2001.734375	R	C
UA057	31.25	R	2001.765625	R	C
UA058	31.25	R	2001.796875	R	C
UA059	31.25	R	2001.828125	R	C
UA060	31.25	R	2001.859375	R	C
UA061	31.25	R	2001.890625	R	C
UA062	31.25	R	2001.921875	R	C
UA063	31.25	R	2001.953125	R	C
UA064	31.25	R	2001.984375	R	C
UA065	31.25	R	2002.015625	R	C
UA066	31.25	R	2002.046875	R	C
UA067	31.25	R	2002.078125	R	C
UA068	31.25	R	2002.109375	R	C
UA069	31.25	R	2002.140625	R	C

UA070	31.25	R	2002.171875	R	C
UA071	31.25	R	2002.203125	R	C
UA072	31.25	R	2002.234375	R	C
UA073	31.25	R	2002.265625	R	C
UA074	31.25	R	2002.296875	R	C
UA075	31.25	R	2002.328125	R	C
UA076	31.25	R	2002.359375	R	C
UA077	31.25	R	2002.390625	R	C
UA078	31.25	R	2002.421875	R	C
UA079	31.25	R	2002.453125	R	C
UA080	31.25	R	2002.484375	R	C
UA081	31.25	R	2002.515625	R	C
UA082	31.25	R	2002.546875	R	C
UA083	31.25	R	2002.578125	R	C
UA084	31.25	R	2002.609375	R	C
UA085	31.25	R	2002.640625	R	C
UA086	31.25	R	2002.671875	R	C
UA087	31.25	R	2002.703125	R	C
UA088	31.25	R	2002.734375	R	C
UA089	31.25	R	2002.765625	R	C
UA090	31.25	R	2002.796875	R	C
UA091	31.25	R	2002.828125	R	C
UA092	31.25	R	2002.859375	R	C
UA093	31.25	R	2002.890625	R	C
UA094	31.25	R	2002.921875	R	C
UA095	31.25	R	2002.953125	R	C
UA096	31.25	R	2002.984375	R	C
UA097	31.25	R	2003.015625	R	C
UA098	31.25	R	2003.046875	R	C
UA099	31.25	R	2003.078125	R	C
UA100	31.25	R	2003.109375	R	C
UA101	31.25	R	2003.140625	R	C
UA102	31.25	R	2003.171875	R	C
UA103	31.25	R	2003.203125	R	C
UA104	31.25	R	2003.234375	R	C
UA105	31.25	R	2003.265625	R	C
UA106	31.25	R	2003.296875	R	C
UA107	31.25	R	2003.328125	R	C
UA108	31.25	R	2003.359375	R	C

UA109	31.25	R	2003.390625	R	C
UA110	31.25	R	2003.421875	R	C
UA111	31.25	R	2003.453125	R	C
UA112	31.25	R	2003.484375	R	C
UA113	31.25	R	2003.515625	R	C
UA114	31.25	R	2003.546875	R	C
UA115	31.25	R	2003.578125	R	C
UA116	31.25	R	2003.609375	R	C
UA117	31.25	R	2003.640625	R	C
UA118	31.25	R	2003.671875	R	C
UA119	31.25	R	2003.703125	R	C
UA120	31.25	R	2003.734375	R	C
UA121	31.25	R	2003.765625	R	C
UA122	31.25	R	2003.796875	R	C
UA123	31.25	R	2003.828125	R	C
UA124	31.25	R	2003.859375	R	C
UA125	31.25	R	2003.890625	R	C
UA126	31.25	R	2003.921875	R	C
UA127	31.25	R	2003.953125	R	C
UA128	31.25	R	2003.984375	R	C
UA129	31.25	R	2004.015625	R	C
UA130	31.25	R	2004.046875	R	C
UA131	31.25	R	2004.078125	R	C
UA132	31.25	R	2004.109375	R	C
UA133	31.25	R	2004.140625	R	C
UA134	31.25	R	2004.171875	R	C
UA135	31.25	R	2004.203125	R	C
UA136	31.25	R	2004.234375	R	C
UA137	31.25	R	2004.265625	R	C
UA138	31.25	R	2004.296875	R	C
UA139	31.25	R	2004.328125	R	C
UA140	31.25	R	2004.359375	R	C
UA141	31.25	R	2004.390625	R	C
UA142	31.25	R	2004.421875	R	C
UA143	31.25	R	2004.453125	R	C
UA144	31.25	R	2004.484375	R	C
UA145	31.25	R	2004.515625	R	C
UA146	31.25	R	2004.546875	R	C
UA147	31.25	R	2004.578125	R	C

UA148	31.25	R	2004.609375	R	C
UA149	31.25	R	2004.640625	R	C
UA150	31.25	R	2004.671875	R	C
UA151	31.25	R	2004.703125	R	C
UA152	31.25	R	2004.734375	R	C
UA153	31.25	R	2004.765625	R	C
UA154	31.25	R	2004.796875	R	C
UA155	31.25	R	2004.828125	R	C
UA156	31.25	R	2004.859375	R	C
UA157	31.25	R	2004.890625	R	C
UA158	31.25	R	2004.921875	R	C
UA159	31.25	R	2004.953125	R	C
UA160	31.25	R	2004.984375	R	C
UB001	31.25	R	2005.015625	R	C
UB002	31.25	R	2005.046875	R	C
UB003	31.25	R	2005.078125	R	C
UB004	31.25	R	2005.109375	R	C
UB005	31.25	R	2005.140625	R	C
UB006	31.25	R	2005.171875	R	C
UB007	31.25	R	2005.203125	R	C
UB008	31.25	R	2005.234375	R	C
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UB023	31.25	R	2005.703125	R	C
UB024	31.25	R	2005.734375	R	C
UB025	31.25	R	2005.765625	R	C
UB026	31.25	R	2005.796875	R	C

UB027	31.25	R	2005.828125	R	C
UB028	31.25	R	2005.859375	R	C
UB029	31.25	R	2005.890625	R	C
UB030	31.25	R	2005.921875	R	C
UB031	31.25	R	2005.953125	R	C
UB032	31.25	R	2005.984375	R	C
UB033	31.25	R	2006.015625	R	C
UB034	31.25	R	2006.046875	R	C
UB035	31.25	R	2006.078125	R	C
UB036	31.25	R	2006.109375	R	C
UB037	31.25	R	2006.140625	R	C
UB038	31.25	R	2006.171875	R	C
UB039	31.25	R	2006.203125	R	C
UB040	31.25	R	2006.234375	R	C
UB041	31.25	R	2006.265625	R	C
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UB051	31.25	R	2006.578125	R	C
UB052	31.25	R	2006.609375	R	C
UB053	31.25	R	2006.640625	R	C
UB054	31.25	R	2006.671875	R	C
UB055	31.25	R	2006.703125	R	C
UB056	31.25	R	2006.734375	R	C
UB057	31.25	R	2006.765625	R	C
UB058	31.25	R	2006.796875	R	C
UB059	31.25	R	2006.828125	R	C
UB060	31.25	R	2006.859375	R	C
UB061	31.25	R	2006.890625	R	C
UB062	31.25	R	2006.921875	R	C
UB063	31.25	R	2006.953125	R	C
UB064	31.25	R	2006.984375	R	C
UB065	31.25	R	2007.015625	R	C

UB066	31.25	R	2007.046875	R	C
UB067	31.25	R	2007.078125	R	C
UB068	31.25	R	2007.109375	R	C
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UB104	31.25	R	2008.234375	R	C

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UB116	31.25	R	2008.609375	R	C
UB117	31.25	R	2008.640625	R	C
UB118	31.25	R	2008.671875	R	C
UB119	31.25	R	2008.703125	R	C
UB120	31.25	R	2008.734375	R	C
UB121	31.25	R	2008.765625	R	C
UB122	31.25	R	2008.796875	R	C
UB123	31.25	R	2008.828125	R	C
UB124	31.25	R	2008.859375	R	C
UB125	31.25	R	2008.890625	R	C
UB126	31.25	R	2008.921875	R	C
UB127	31.25	R	2008.953125	R	C
UB128	31.25	R	2008.984375	R	C
UB129	31.25	R	2009.015625	R	C
UB130	31.25	R	2009.046875	R	C
UB131	31.25	R	2009.078125	R	C
UB132	31.25	R	2009.109375	R	C
UB133	31.25	R	2009.140625	R	C
UB134	31.25	R	2009.171875	R	C
UB135	31.25	R	2009.203125	R	C
UB136	31.25	R	2009.234375	R	C
UB137	31.25	R	2009.265625	R	C
UB138	31.25	R	2009.296875	R	C
UB139	31.25	R	2009.328125	R	C
UB140	31.25	R	2009.359375	R	C
UB141	31.25	R	2009.390625	R	C
UB142	31.25	R	2009.421875	R	C
UB143	31.25	R	2009.453125	R	C

UB144	31.25	R	2009.484375	R	C
UB145	31.25	R	2009.515625	R	C
UB146	31.25	R	2009.546875	R	C
UB147	31.25	R	2009.578125	R	C
UB148	31.25	R	2009.609375	R	C
UB149	31.25	R	2009.640625	R	C
UB150	31.25	R	2009.671875	R	C
UB151	31.25	R	2009.703125	R	C
UB152	31.25	R	2009.734375	R	C
UB153	31.25	R	2009.765625	R	C
UB154	31.25	R	2009.796875	R	C
UB155	31.25	R	2009.828125	R	C
UB156	31.25	R	2009.859375	R	C
UB157	31.25	R	2009.890625	R	C
UB158	31.25	R	2009.921875	R	C
UB159	31.25	R	2009.953125	R	C
UB160	31.25	R	2009.984375	R	C
UC001	31.25	R	2010.015625	R	C
UC002	31.25	R	2010.046875	R	C
UC003	31.25	R	2010.078125	R	C
UC004	31.25	R	2010.109375	R	C
UC005	31.25	R	2010.140625	R	C
UC006	31.25	R	2010.171875	R	C
UC007	31.25	R	2010.203125	R	C
UC008	31.25	R	2010.234375	R	C
UC009	31.25	R	2010.265625	R	C
UC010	31.25	R	2010.296875	R	C
UC011	31.25	R	2010.328125	R	C
UC012	31.25	R	2010.359375	R	C
UC013	31.25	R	2010.390625	R	C
UC014	31.25	R	2010.421875	R	C
UC015	31.25	R	2010.453125	R	C
UC016	31.25	R	2010.484375	R	C
UC017	31.25	R	2010.515625	R	C
UC018	31.25	R	2010.546875	R	C
UC019	31.25	R	2010.578125	R	C
UC020	31.25	R	2010.609375	R	C
UC021	31.25	R	2010.640625	R	C
UC022	31.25	R	2010.671875	R	C

UC023	31.25	R	2010.703125	R	C
UC024	31.25	R	2010.734375	R	C
UC025	31.25	R	2010.765625	R	C
UC026	31.25	R	2010.796875	R	C
UC027	31.25	R	2010.828125	R	C
UC028	31.25	R	2010.859375	R	C
UC029	31.25	R	2010.890625	R	C
UC030	31.25	R	2010.921875	R	C
UC031	31.25	R	2010.953125	R	C
UC032	31.25	R	2010.984375	R	C
UC033	31.25	R	2011.015625	R	C
UC034	31.25	R	2011.046875	R	C
UC035	31.25	R	2011.078125	R	C
UC036	31.25	R	2011.109375	R	C
UC037	31.25	R	2011.140625	R	C
UC038	31.25	R	2011.171875	R	C
UC039	31.25	R	2011.203125	R	C
UC040	31.25	R	2011.234375	R	C
UC041	31.25	R	2011.265625	R	C
UC042	31.25	R	2011.296875	R	C
UC043	31.25	R	2011.328125	R	C
UC044	31.25	R	2011.359375	R	C
UC045	31.25	R	2011.390625	R	C
UC046	31.25	R	2011.421875	R	C
UC047	31.25	R	2011.453125	R	C
UC048	31.25	R	2011.484375	R	C
UC049	31.25	R	2011.515625	R	C
UC050	31.25	R	2011.546875	R	C
UC051	31.25	R	2011.578125	R	C
UC052	31.25	R	2011.609375	R	C
UC053	31.25	R	2011.640625	R	C
UC054	31.25	R	2011.671875	R	C
UC055	31.25	R	2011.703125	R	C
UC056	31.25	R	2011.734375	R	C
UC057	31.25	R	2011.765625	R	C
UC058	31.25	R	2011.796875	R	C
UC059	31.25	R	2011.828125	R	C
UC060	31.25	R	2011.859375	R	C
UC061	31.25	R	2011.890625	R	C

UC062	31.25	R	2011.921875	R	C
UC063	31.25	R	2011.953125	R	C
UC064	31.25	R	2011.984375	R	C
UC065	31.25	R	2012.015625	R	C
UC066	31.25	R	2012.046875	R	C
UC067	31.25	R	2012.078125	R	C
UC068	31.25	R	2012.109375	R	C
UC069	31.25	R	2012.140625	R	C
UC070	31.25	R	2012.171875	R	C
UC071	31.25	R	2012.203125	R	C
UC072	31.25	R	2012.234375	R	C
UC073	31.25	R	2012.265625	R	C
UC074	31.25	R	2012.296875	R	C
UC075	31.25	R	2012.328125	R	C
UC076	31.25	R	2012.359375	R	C
UC121	31.25	R	2013.765625	R	C
UC122	31.25	R	2013.796875	R	C
UC123	31.25	R	2013.828125	R	C
UC124	31.25	R	2013.859375	R	C
UC125	31.25	R	2013.890625	R	C
UC126	31.25	R	2013.921875	R	C
UC127	31.25	R	2013.953125	R	C
UC128	31.25	R	2013.984375	R	C
UC129	31.25	R	2014.015625	R	C
UC130	31.25	R	2014.046875	R	C
UC131	31.25	R	2014.078125	R	C
UC132	31.25	R	2014.109375	R	C
UC133	31.25	R	2014.140625	R	C
UC134	31.25	R	2014.171875	R	C
UC135	31.25	R	2014.203125	R	C
UC136	31.25	R	2014.234375	R	C
UC137	31.25	R	2014.265625	R	C
UC138	31.25	R	2014.296875	R	C
UC139	31.25	R	2014.328125	R	C
UC140	31.25	R	2014.359375	R	C
UC141	31.25	R	2014.390625	R	C
UC142	31.25	R	2014.421875	R	C
UC143	31.25	R	2014.453125	R	C
UC144	31.25	R	2014.484375	R	C

UC145	31.25	R	2014.515625	R	C
UC146	31.25	R	2014.546875	R	C
UC147	31.25	R	2014.578125	R	C
UC148	31.25	R	2014.609375	R	C
UC149	31.25	R	2014.640625	R	C
UC150	31.25	R	2014.671875	R	C
UC151	31.25	R	2014.703125	R	C
UC152	31.25	R	2014.734375	R	C
UC153	31.25	R	2014.765625	R	C
UC154	31.25	R	2014.796875	R	C
UC155	31.25	R	2014.828125	R	C
UC156	31.25	R	2014.859375	R	C
UC157	31.25	R	2014.890625	R	C
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UC160	31.25	R	2014.984375	R	C
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UD003	31.25	R	2015.078125	R	C
UD004	31.25	R	2015.109375	R	C
UD049	31.25	R	2016.515625	R	C
UD050	31.25	R	2016.546875	R	C
UD051	31.25	R	2016.578125	R	C
UD052	31.25	R	2016.609375	R	C
UD053	31.25	R	2016.640625	R	C
UD054	31.25	R	2016.671875	R	C
UD055	31.25	R	2016.703125	R	C
UD056	31.25	R	2016.734375	R	C
UD057	31.25	R	2016.765625	R	C
UD058	31.25	R	2016.796875	R	C
UD059	31.25	R	2016.828125	R	C
UD060	31.25	R	2016.859375	R	C
UD061	31.25	R	2016.890625	R	C
UD062	31.25	R	2016.921875	R	C
UD063	31.25	R	2016.953125	R	C
UD064	31.25	R	2016.984375	R	C
UD065	31.25	R	2017.015625	R	C
UD066	31.25	R	2017.046875	R	C
UD067	31.25	R	2017.078125	R	C

UD068	31.25	R	2017.109375	R	C
UD069	31.25	R	2017.140625	R	C
UD070	31.25	R	2017.171875	R	C
UD071	31.25	R	2017.203125	R	C
UD072	31.25	R	2017.234375	R	C
UD073	31.25	R	2017.265625	R	C
UD074	31.25	R	2017.296875	R	C
UD075	31.25	R	2017.328125	R	C
UD076	31.25	R	2017.359375	R	C
UD077	31.25	R	2017.390625	R	C
UD078	31.25	R	2017.421875	R	C
UD079	31.25	R	2017.453125	R	C
UD080	31.25	R	2017.484375	R	C
UD081	31.25	R	2017.515625	R	C
UD082	31.25	R	2017.546875	R	C
UD083	31.25	R	2017.578125	R	C
UD084	31.25	R	2017.609375	R	C
UD085	31.25	R	2017.640625	R	C
UD086	31.25	R	2017.671875	R	C
UD087	31.25	R	2017.703125	R	C
UD088	31.25	R	2017.734375	R	C
UD089	31.25	R	2017.765625	R	C
UD090	31.25	R	2017.796875	R	C
UD091	31.25	R	2017.828125	R	C
UD092	31.25	R	2017.859375	R	C
UC077	31.25	R	2012.390625	R	C
UC078	31.25	R	2012.421875	R	C
UC079	31.25	R	2012.453125	R	C
UC080	31.25	R	2012.484375	R	C
UC081	31.25	R	2012.515625	R	C
UC082	31.25	R	2012.546875	R	C
UC083	31.25	R	2012.578125	R	C
UC084	31.25	R	2012.609375	R	C
UC085	31.25	R	2012.640625	R	C
UC086	31.25	R	2012.671875	R	C
UC087	31.25	R	2012.703125	R	C
UC088	31.25	R	2012.734375	R	C
UC089	31.25	R	2012.765625	R	C
UC090	31.25	R	2012.796875	R	C

UC091	31.25	R	2012.828125	R	C
UC092	31.25	R	2012.859375	R	C
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UC098	31.25	R	2013.046875	R	C
UC099	31.25	R	2013.078125	R	C
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UC120	31.25	R	2013.734375	R	C
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UD011	31.25	R	2015.328125	R	C
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UD013	31.25	R	2015.390625	R	C

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UD028	31.25	R	2015.859375	R	C
UD029	31.25	R	2015.890625	R	C
UD030	31.25	R	2015.921875	R	C
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UD034	31.25	R	2016.046875	R	C
UD035	31.25	R	2016.078125	R	C
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UD037	31.25	R	2016.140625	R	C
UD038	31.25	R	2016.171875	R	C
UD039	31.25	R	2016.203125	R	C
UD040	31.25	R	2016.234375	R	C
UD041	31.25	R	2016.265625	R	C
UD042	31.25	R	2016.296875	R	C
UD043	31.25	R	2016.328125	R	C
UD044	31.25	R	2016.359375	R	C
UD045	31.25	R	2016.390625	R	C
UD046	31.25	R	2016.421875	R	C
UD047	31.25	R	2016.453125	R	C
UD048	31.25	R	2016.484375	R	C
UD093	31.25	R	2017.890625	R	C
UD094	31.25	R	2017.921875	R	C
UD095	31.25	R	2017.953125	R	C
UD096	31.25	R	2017.984375	R	C

UD097	31.25	R	2018.015625	R	C
UD098	31.25	R	2018.046875	R	C
UD099	31.25	R	2018.078125	R	C
UD100	31.25	R	2018.109375	R	C
UD101	31.25	R	2018.140625	R	C
UD102	31.25	R	2018.171875	R	C
UD103	31.25	R	2018.203125	R	C
UD104	31.25	R	2018.234375	R	C
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UD107	31.25	R	2018.328125	R	C
UD108	31.25	R	2018.359375	R	C
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UD110	31.25	R	2018.421875	R	C
UD111	31.25	R	2018.453125	R	C
UD112	31.25	R	2018.484375	R	C
UD113	31.25	R	2018.515625	R	C
UD114	31.25	R	2018.546875	R	C
UD115	31.25	R	2018.578125	R	C
UD116	31.25	R	2018.609375	R	C
UD117	31.25	R	2018.640625	R	C
UD118	31.25	R	2018.671875	R	C
UD119	31.25	R	2018.703125	R	C
UD120	31.25	R	2018.734375	R	C
UD121	31.25	R	2018.765625	R	C
UD122	31.25	R	2018.796875	R	C
UD123	31.25	R	2018.828125	R	C
UD124	31.25	R	2018.859375	R	C
UD125	31.25	R	2018.890625	R	C
UD126	31.25	R	2018.921875	R	C
UD127	31.25	R	2018.953125	R	C
UD128	31.25	R	2018.984375	R	C
UD129	31.25	R	2019.015625	R	C
UD130	31.25	R	2019.046875	R	C
UD131	31.25	R	2019.078125	R	C
UD132	31.25	R	2019.109375	R	C
UD133	31.25	R	2019.140625	R	C
UD134	31.25	R	2019.171875	R	C
UD135	31.25	R	2019.203125	R	C

UD136	31.25	R	2019.234375	R	C
UD137	31.25	R	2019.265625	R	C
UD138	31.25	R	2019.296875	R	C
UD139	31.25	R	2019.328125	R	C
UD140	31.25	R	2019.359375	R	C
UD141	31.25	R	2019.390625	R	C
UD142	31.25	R	2019.421875	R	C
UD143	31.25	R	2019.453125	R	C
UD144	31.25	R	2019.484375	R	C
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UD146	31.25	R	2019.546875	R	C
UD147	31.25	R	2019.578125	R	C
UD148	31.25	R	2019.609375	R	C
UD149	31.25	R	2019.640625	R	C
UD150	31.25	R	2019.671875	R	C
UD151	31.25	R	2019.703125	R	C
UD152	31.25	R	2019.734375	R	C
UD153	31.25	R	2019.765625	R	C
UD154	31.25	R	2019.796875	R	C
UD155	31.25	R	2019.828125	R	C
UD156	31.25	R	2019.859375	R	C
UD157	31.25	R	2019.890625	R	C
UD158	31.25	R	2019.921875	R	C
UD159	31.25	R	2019.953125	R	C
UD160	31.25	R	2019.984375	R	C
DA001	31.25	T	2180.015625	R	C
DA002	31.25	T	2180.046875	R	C
DA003	31.25	T	2180.078125	R	C
DA004	31.25	T	2180.109375	R	C
DA005	31.25	T	2180.140625	R	C
DA006	31.25	T	2180.171875	R	C
DA007	31.25	T	2180.203125	R	C
DA008	31.25	T	2180.234375	R	C
DA009	31.25	T	2180.265625	R	C
DA010	31.25	T	2180.296875	R	C
DA011	31.25	T	2180.328125	R	C
DA012	31.25	T	2180.359375	R	C
DA013	31.25	T	2180.390625	R	C
DA014	31.25	T	2180.421875	R	C

DA015	31.25	T	2180.453125	R	C
DA016	31.25	T	2180.484375	R	C
DA017	31.25	T	2180.515625	R	C
DA018	31.25	T	2180.546875	R	C
DA019	31.25	T	2180.578125	R	C
DA020	31.25	T	2180.609375	R	C
DA065	31.25	T	2182.015625	R	C
DA066	31.25	T	2182.046875	R	C
DA067	31.25	T	2182.078125	R	C
DA068	31.25	T	2182.109375	R	C
DA069	31.25	T	2182.140625	R	C
DA070	31.25	T	2182.171875	R	C
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DA072	31.25	T	2182.234375	R	C
DA073	31.25	T	2182.265625	R	C
DA074	31.25	T	2182.296875	R	C
DA075	31.25	T	2182.328125	R	C
DA076	31.25	T	2182.359375	R	C
DA077	31.25	T	2182.390625	R	C
DA078	31.25	T	2182.421875	R	C
DA079	31.25	T	2182.453125	R	C
DA080	31.25	T	2182.484375	R	C
DA081	31.25	T	2182.515625	R	C
DA082	31.25	T	2182.546875	R	C
DA083	31.25	T	2182.578125	R	C
DA084	31.25	T	2182.609375	R	C
DA085	31.25	T	2182.640625	R	C
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DA087	31.25	T	2182.703125	R	C
DA088	31.25	T	2182.734375	R	C
DA089	31.25	T	2182.765625	R	C
DA090	31.25	T	2182.796875	R	C
DA091	31.25	T	2182.828125	R	C
DA092	31.25	T	2182.859375	R	C
DA093	31.25	T	2182.890625	R	C
DA094	31.25	T	2182.921875	R	C
DA095	31.25	T	2182.953125	R	C
DA096	31.25	T	2182.984375	R	C
DA097	31.25	T	2183.015625	R	C

DA098	31.25	T	2183.046875	R	C
DA099	31.25	T	2183.078125	R	C
DA100	31.25	T	2183.109375	R	C
DA101	31.25	T	2183.140625	R	C
DA102	31.25	T	2183.171875	R	C
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DA108	31.25	T	2183.359375	R	C
DA153	31.25	T	2184.765625	R	C
DA154	31.25	T	2184.796875	R	C
DA155	31.25	T	2184.828125	R	C
DA156	31.25	T	2184.859375	R	C
DA157	31.25	T	2184.890625	R	C
DA158	31.25	T	2184.921875	R	C
DA159	31.25	T	2184.953125	R	C
DA160	31.25	T	2184.984375	R	C
DB001	31.25	T	2185.015625	R	C
DB002	31.25	T	2185.046875	R	C
DB003	31.25	T	2185.078125	R	C
DB004	31.25	T	2185.109375	R	C
DB005	31.25	T	2185.140625	R	C
DB006	31.25	T	2185.171875	R	C
DB007	31.25	T	2185.203125	R	C
DB008	31.25	T	2185.234375	R	C
DB009	31.25	T	2185.265625	R	C
DB010	31.25	T	2185.296875	R	C
DB011	31.25	T	2185.328125	R	C
DB012	31.25	T	2185.359375	R	C
DB013	31.25	T	2185.390625	R	C
DB014	31.25	T	2185.421875	R	C
DB015	31.25	T	2185.453125	R	C
DB016	31.25	T	2185.484375	R	C
DB017	31.25	T	2185.515625	R	C
DB018	31.25	T	2185.546875	R	C
DB019	31.25	T	2185.578125	R	C
DB020	31.25	T	2185.609375	R	C

DB021	31.25	T	2185.640625	R	C
DB022	31.25	T	2185.671875	R	C
DB023	31.25	T	2185.703125	R	C
DB024	31.25	T	2185.734375	R	C
DB025	31.25	T	2185.765625	R	C
DB026	31.25	T	2185.796875	R	C
DB027	31.25	T	2185.828125	R	C
DB028	31.25	T	2185.859375	R	C
DB029	31.25	T	2185.890625	R	C
DB030	31.25	T	2185.921875	R	C
DB031	31.25	T	2185.953125	R	C
DB032	31.25	T	2185.984375	R	C
DB033	31.25	T	2186.015625	R	C
DB034	31.25	T	2186.046875	R	C
DB035	31.25	T	2186.078125	R	C
DB036	31.25	T	2186.109375	R	C
DB081	31.25	T	2187.515625	R	C
DB082	31.25	T	2187.546875	R	C
DB083	31.25	T	2187.578125	R	C
DB084	31.25	T	2187.609375	R	C
DB085	31.25	T	2187.640625	R	C
DB086	31.25	T	2187.671875	R	C
DB087	31.25	T	2187.703125	R	C
DB088	31.25	T	2187.734375	R	C
DB089	31.25	T	2187.765625	R	C
DB090	31.25	T	2187.796875	R	C
DB091	31.25	T	2187.828125	R	C
DB092	31.25	T	2187.859375	R	C
DB093	31.25	T	2187.890625	R	C
DB094	31.25	T	2187.921875	R	C
DB095	31.25	T	2187.953125	R	C
DB096	31.25	T	2187.984375	R	C
DB097	31.25	T	2188.015625	R	C
DB098	31.25	T	2188.046875	R	C
DB099	31.25	T	2188.078125	R	C
DB100	31.25	T	2188.109375	R	C
DB101	31.25	T	2188.140625	R	C
DB102	31.25	T	2188.171875	R	C
DB103	31.25	T	2188.203125	R	C

DB104	31.25	T	2188.234375	R	C
DB105	31.25	T	2188.265625	R	C
DB106	31.25	T	2188.296875	R	C
DB107	31.25	T	2188.328125	R	C
DB108	31.25	T	2188.359375	R	C
DB109	31.25	T	2188.390625	R	C
DB110	31.25	T	2188.421875	R	C
DB111	31.25	T	2188.453125	R	C
DB112	31.25	T	2188.484375	R	C
DB113	31.25	T	2188.515625	R	C
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DC013	31.25	T	2190.390625	R	C
DC014	31.25	T	2190.421875	R	C
DC015	31.25	T	2190.453125	R	C
DC016	31.25	T	2190.484375	R	C
DC017	31.25	T	2190.515625	R	C
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DC023	31.25	T	2190.703125	R	C
DC024	31.25	T	2190.734375	R	C
DC025	31.25	T	2190.765625	R	C
DC026	31.25	T	2190.796875	R	C

DC027	31.25	T	2190.828125	R	C
DC028	31.25	T	2190.859375	R	C
DC029	31.25	T	2190.890625	R	C
DC030	31.25	T	2190.921875	R	C
DC031	31.25	T	2190.953125	R	C
DC032	31.25	T	2190.984375	R	C
DC033	31.25	T	2191.015625	R	C
DC034	31.25	T	2191.046875	R	C
DC035	31.25	T	2191.078125	R	C
DC036	31.25	T	2191.109375	R	C
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DC044	31.25	T	2191.359375	R	C
DC045	31.25	T	2191.390625	R	C
DC046	31.25	T	2191.421875	R	C
DC047	31.25	T	2191.453125	R	C
DC048	31.25	T	2191.484375	R	C
DC049	31.25	T	2191.515625	R	C
DC050	31.25	T	2191.546875	R	C
DC051	31.25	T	2191.578125	R	C
DC052	31.25	T	2191.609375	R	C
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DA023	31.25	T	2180.703125	R	C
DA024	31.25	T	2180.734375	R	C
DA025	31.25	T	2180.765625	R	C
DA026	31.25	T	2180.796875	R	C
DA027	31.25	T	2180.828125	R	C
DA028	31.25	T	2180.859375	R	C
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DA030	31.25	T	2180.921875	R	C
DA031	31.25	T	2180.953125	R	C
DA032	31.25	T	2180.984375	R	C
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DA034	31.25	T	2181.046875	R	C
DA035	31.25	T	2181.078125	R	C
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DA044	31.25	T	2181.359375	R	C
DA045	31.25	T	2181.390625	R	C
DA046	31.25	T	2181.421875	R	C
DA047	31.25	T	2181.453125	R	C
DA048	31.25	T	2181.484375	R	C
DA049	31.25	T	2181.515625	R	C
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DA055	31.25	T	2181.703125	R	C
DA056	31.25	T	2181.734375	R	C
DA057	31.25	T	2181.765625	R	C
DA058	31.25	T	2181.796875	R	C
DA059	31.25	T	2181.828125	R	C
DA060	31.25	T	2181.859375	R	C
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DA064	31.25	T	2181.984375	R	C
DA109	31.25	T	2183.390625	R	C
DA110	31.25	T	2183.421875	R	C
DA111	31.25	T	2183.453125	R	C
DA112	31.25	T	2183.484375	R	C
DA113	31.25	T	2183.515625	R	C
DA114	31.25	T	2183.546875	R	C
DA115	31.25	T	2183.578125	R	C
DA116	31.25	T	2183.609375	R	C

DA117	31.25	T	2183.640625	R	C
DA118	31.25	T	2183.671875	R	C
DA119	31.25	T	2183.703125	R	C
DA120	31.25	T	2183.734375	R	C
DA121	31.25	T	2183.765625	R	C
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DA123	31.25	T	2183.828125	R	C
DA124	31.25	T	2183.859375	R	C
DA125	31.25	T	2183.890625	R	C
DA126	31.25	T	2183.921875	R	C
DA127	31.25	T	2183.953125	R	C
DA128	31.25	T	2183.984375	R	C
DA129	31.25	T	2184.015625	R	C
DA130	31.25	T	2184.046875	R	C
DA131	31.25	T	2184.078125	R	C
DA132	31.25	T	2184.109375	R	C
DA133	31.25	T	2184.140625	R	C
DA134	31.25	T	2184.171875	R	C
DA135	31.25	T	2184.203125	R	C
DA136	31.25	T	2184.234375	R	C
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DA139	31.25	T	2184.328125	R	C
DA140	31.25	T	2184.359375	R	C
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DA142	31.25	T	2184.421875	R	C
DA143	31.25	T	2184.453125	R	C
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DA147	31.25	T	2184.578125	R	C
DA148	31.25	T	2184.609375	R	C
DA149	31.25	T	2184.640625	R	C
DA150	31.25	T	2184.671875	R	C
DA151	31.25	T	2184.703125	R	C
DA152	31.25	T	2184.734375	R	C
DB037	31.25	T	2186.140625	R	C
DB038	31.25	T	2186.171875	R	C
DB039	31.25	T	2186.203125	R	C

DB040	31.25	T	2186.234375	R	C
DB041	31.25	T	2186.265625	R	C
DB042	31.25	T	2186.296875	R	C
DB043	31.25	T	2186.328125	R	C
DB044	31.25	T	2186.359375	R	C
DB045	31.25	T	2186.390625	R	C
DB046	31.25	T	2186.421875	R	C
DB047	31.25	T	2186.453125	R	C
DB048	31.25	T	2186.484375	R	C
DB049	31.25	T	2186.515625	R	C
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DB051	31.25	T	2186.578125	R	C
DB052	31.25	T	2186.609375	R	C
DB053	31.25	T	2186.640625	R	C
DB054	31.25	T	2186.671875	R	C
DB055	31.25	T	2186.703125	R	C
DB056	31.25	T	2186.734375	R	C
DB057	31.25	T	2186.765625	R	C
DB058	31.25	T	2186.796875	R	C
DB059	31.25	T	2186.828125	R	C
DB060	31.25	T	2186.859375	R	C
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DB068	31.25	T	2187.109375	R	C
DB069	31.25	T	2187.140625	R	C
DB070	31.25	T	2187.171875	R	C
DB071	31.25	T	2187.203125	R	C
DB072	31.25	T	2187.234375	R	C
DB073	31.25	T	2187.265625	R	C
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DB075	31.25	T	2187.328125	R	C
DB076	31.25	T	2187.359375	R	C
DB077	31.25	T	2187.390625	R	C
DB078	31.25	T	2187.421875	R	C

DB079	31.25	T	2187.453125	R	C
DB080	31.25	T	2187.484375	R	C
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DB126	31.25	T	2188.921875	R	C
DB127	31.25	T	2188.953125	R	C
DB128	31.25	T	2188.984375	R	C
DB129	31.25	T	2189.015625	R	C
DB130	31.25	T	2189.046875	R	C
DB131	31.25	T	2189.078125	R	C
DB132	31.25	T	2189.109375	R	C
DB133	31.25	T	2189.140625	R	C
DB134	31.25	T	2189.171875	R	C
DB135	31.25	T	2189.203125	R	C
DB136	31.25	T	2189.234375	R	C
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DB139	31.25	T	2189.328125	R	C
DB140	31.25	T	2189.359375	R	C
DB141	31.25	T	2189.390625	R	C
DB142	31.25	T	2189.421875	R	C
DB143	31.25	T	2189.453125	R	C
DB144	31.25	T	2189.484375	R	C
DB145	31.25	T	2189.515625	R	C
DB146	31.25	T	2189.546875	R	C
DB147	31.25	T	2189.578125	R	C
DB148	31.25	T	2189.609375	R	C
DB149	31.25	T	2189.640625	R	C
DB150	31.25	T	2189.671875	R	C
DB151	31.25	T	2189.703125	R	C
DB152	31.25	T	2189.734375	R	C
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DB158	31.25	T	2189.921875	R	C
DB159	31.25	T	2189.953125	R	C
DB160	31.25	T	2189.984375	R	C
DC001	31.25	T	2190.015625	R	C

DC002	31.25	T	2190.046875	R	C
DC003	31.25	T	2190.078125	R	C
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DC007	31.25	T	2190.203125	R	C
DC008	31.25	T	2190.234375	R	C
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DC055	31.25	T	2191.703125	R	C
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DC069	31.25	T	2192.140625	R	C
DC070	31.25	T	2192.171875	R	C
DC071	31.25	T	2192.203125	R	C
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DC073	31.25	T	2192.265625	R	C
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DC077	31.25	T	2192.390625	R	C
DC078	31.25	T	2192.421875	R	C
DC079	31.25	T	2192.453125	R	C
DC080	31.25	T	2192.484375	R	C
DC081	31.25	T	2192.515625	R	C
DC082	31.25	T	2192.546875	R	C
DC083	31.25	T	2192.578125	R	C
DC084	31.25	T	2192.609375	R	C

DC085	31.25	T	2192.640625	R	C
DC086	31.25	T	2192.671875	R	C
DC087	31.25	T	2192.703125	R	C
DC088	31.25	T	2192.734375	R	C
DC089	31.25	T	2192.765625	R	C
DC090	31.25	T	2192.796875	R	C
DC091	31.25	T	2192.828125	R	C
DC092	31.25	T	2192.859375	R	C
DC093	31.25	T	2192.890625	R	C
DC094	31.25	T	2192.921875	R	C
DC095	31.25	T	2192.953125	R	C
DC096	31.25	T	2192.984375	R	C
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DC144	31.25	T	2194.484375	R	C
DC145	31.25	T	2194.515625	R	C
DC146	31.25	T	2194.546875	R	C
DC147	31.25	T	2194.578125	R	C
DC148	31.25	T	2194.609375	R	C
DC149	31.25	T	2194.640625	R	C
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DC159	31.25	T	2194.953125	R	C
DC160	31.25	T	2194.984375	R	C
DD001	31.25	T	2195.015625	R	C
DD002	31.25	T	2195.046875	R	C
DD003	31.25	T	2195.078125	R	C
DD004	31.25	T	2195.109375	R	C
DD005	31.25	T	2195.140625	R	C
DD006	31.25	T	2195.171875	R	C
DD007	31.25	T	2195.203125	R	C

DD008	31.25	T	2195.234375	R	C
DD009	31.25	T	2195.265625	R	C
DD010	31.25	T	2195.296875	R	C
DD011	31.25	T	2195.328125	R	C
DD012	31.25	T	2195.359375	R	C
DD013	31.25	T	2195.390625	R	C
DD014	31.25	T	2195.421875	R	C
DD015	31.25	T	2195.453125	R	C
DD016	31.25	T	2195.484375	R	C
DD017	31.25	T	2195.515625	R	C
DD018	31.25	T	2195.546875	R	C
DD019	31.25	T	2195.578125	R	C
DD020	31.25	T	2195.609375	R	C
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DD074	31.25	T	2197.296875	R	C
DD075	31.25	T	2197.328125	R	C
DD076	31.25	T	2197.359375	R	C
DD077	31.25	T	2197.390625	R	C
DD078	31.25	T	2197.421875	R	C
DD079	31.25	T	2197.453125	R	C
DD080	31.25	T	2197.484375	R	C
DD081	31.25	T	2197.515625	R	C
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DD084	31.25	T	2197.609375	R	C
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DD086	31.25	T	2197.671875	R	C
DD087	31.25	T	2197.703125	R	C
DD088	31.25	T	2197.734375	R	C
DD089	31.25	T	2197.765625	R	C
DD090	31.25	T	2197.796875	R	C

DD091	31.25	T	2197.828125	R	C
DD092	31.25	T	2197.859375	R	C
DD093	31.25	T	2197.890625	R	C
DD094	31.25	T	2197.921875	R	C
DD095	31.25	T	2197.953125	R	C
DD096	31.25	T	2197.984375	R	C
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DD099	31.25	T	2198.078125	R	C
DD100	31.25	T	2198.109375	R	C
DD101	31.25	T	2198.140625	R	C
DD102	31.25	T	2198.171875	R	C
DD103	31.25	T	2198.203125	R	C
DD104	31.25	T	2198.234375	R	C
DD105	31.25	T	2198.265625	R	C
DD106	31.25	T	2198.296875	R	C
DD107	31.25	T	2198.328125	R	C
DD108	31.25	T	2198.359375	R	C
DD109	31.25	T	2198.390625	R	C
DD110	31.25	T	2198.421875	R	C
DD111	31.25	T	2198.453125	R	C
DD112	31.25	T	2198.484375	R	C
DD157	31.25	T	2199.890625	R	C
DD158	31.25	T	2199.921875	R	C
DD159	31.25	T	2199.953125	R	C
DD160	31.25	T	2199.984375	R	C
DD157	31.25	T	2199.890625	R	C
DD158	31.25	T	2199.921875	R	C
DD159	31.25	T	2199.953125	R	C
DD160	31.25	T	2199.984375	R	C
DC097	31.25	T	2193.015625	R	C
DC098	31.25	T	2193.046875	R	C
DC099	31.25	T	2193.078125	R	C
DC100	31.25	T	2193.109375	R	C
DC101	31.25	T	2193.140625	R	C
DC102	31.25	T	2193.171875	R	C
DC103	31.25	T	2193.203125	R	C
DC104	31.25	T	2193.234375	R	C
DC105	31.25	T	2193.265625	R	C

DC106	31.25	T	2193.296875	R	C
DC107	31.25	T	2193.328125	R	C
DC108	31.25	T	2193.359375	R	C
DC109	31.25	T	2193.390625	R	C
DC110	31.25	T	2193.421875	R	C
DC111	31.25	T	2193.453125	R	C
DC112	31.25	T	2193.484375	R	C
DC113	31.25	T	2193.515625	R	C
DC114	31.25	T	2193.546875	R	C
DC115	31.25	T	2193.578125	R	C
DC116	31.25	T	2193.609375	R	C
DC117	31.25	T	2193.640625	R	C
DC118	31.25	T	2193.671875	R	C
DC119	31.25	T	2193.703125	R	C
DC120	31.25	T	2193.734375	R	C
DC121	31.25	T	2193.765625	R	C
DC122	31.25	T	2193.796875	R	C
DC123	31.25	T	2193.828125	R	C
DC124	31.25	T	2193.859375	R	C
DC125	31.25	T	2193.890625	R	C
DC126	31.25	T	2193.921875	R	C
DC127	31.25	T	2193.953125	R	C
DC128	31.25	T	2193.984375	R	C
DC129	31.25	T	2194.015625	R	C
DC130	31.25	T	2194.046875	R	C
DC131	31.25	T	2194.078125	R	C
DC132	31.25	T	2194.109375	R	C
DC133	31.25	T	2194.140625	R	C
DC134	31.25	T	2194.171875	R	C
DC135	31.25	T	2194.203125	R	C
DC136	31.25	T	2194.234375	R	C
DC137	31.25	T	2194.265625	R	C
DC138	31.25	T	2194.296875	R	C
DC139	31.25	T	2194.328125	R	C
DC140	31.25	T	2194.359375	R	C
DD025	31.25	T	2195.765625	R	C
DD026	31.25	T	2195.796875	R	C
DD027	31.25	T	2195.828125	R	C
DD028	31.25	T	2195.859375	R	C

DD029	31.25	T	2195.890625	R	C
DD030	31.25	T	2195.921875	R	C
DD031	31.25	T	2195.953125	R	C
DD032	31.25	T	2195.984375	R	C
DD033	31.25	T	2196.015625	R	C
DD034	31.25	T	2196.046875	R	C
DD035	31.25	T	2196.078125	R	C
DD036	31.25	T	2196.109375	R	C
DD037	31.25	T	2196.140625	R	C
DD038	31.25	T	2196.171875	R	C
DD039	31.25	T	2196.203125	R	C
DD040	31.25	T	2196.234375	R	C
DD041	31.25	T	2196.265625	R	C
DD042	31.25	T	2196.296875	R	C
DD043	31.25	T	2196.328125	R	C
DD044	31.25	T	2196.359375	R	C
DD045	31.25	T	2196.390625	R	C
DD046	31.25	T	2196.421875	R	C
DD047	31.25	T	2196.453125	R	C
DD048	31.25	T	2196.484375	R	C
DD049	31.25	T	2196.515625	R	C
DD050	31.25	T	2196.546875	R	C
DD051	31.25	T	2196.578125	R	C
DD052	31.25	T	2196.609375	R	C
DD053	31.25	T	2196.640625	R	C
DD054	31.25	T	2196.671875	R	C
DD055	31.25	T	2196.703125	R	C
DD056	31.25	T	2196.734375	R	C
DD057	31.25	T	2196.765625	R	C
DD058	31.25	T	2196.796875	R	C
DD059	31.25	T	2196.828125	R	C
DD060	31.25	T	2196.859375	R	C
DD061	31.25	T	2196.890625	R	C
DD062	31.25	T	2196.921875	R	C
DD063	31.25	T	2196.953125	R	C
DD064	31.25	T	2196.984375	R	C
DD065	31.25	T	2197.015625	R	C
DD066	31.25	T	2197.046875	R	C
DD067	31.25	T	2197.078125	R	C

DD068	31.25	T	2197.109375	R	C
DD113	31.25	T	2198.515625	R	C
DD114	31.25	T	2198.546875	R	C
DD115	31.25	T	2198.578125	R	C
DD116	31.25	T	2198.609375	R	C
DD117	31.25	T	2198.640625	R	C
DD118	31.25	T	2198.671875	R	C
DD119	31.25	T	2198.703125	R	C
DD120	31.25	T	2198.734375	R	C
DD121	31.25	T	2198.765625	R	C
DD122	31.25	T	2198.796875	R	C
DD123	31.25	T	2198.828125	R	C
DD124	31.25	T	2198.859375	R	C
DD125	31.25	T	2198.890625	R	C
DD126	31.25	T	2198.921875	R	C
DD127	31.25	T	2198.953125	R	C
DD128	31.25	T	2198.984375	R	C
DD129	31.25	T	2199.015625	R	C
DD130	31.25	T	2199.046875	R	C
DD131	31.25	T	2199.078125	R	C
DD132	31.25	T	2199.109375	R	C
DD133	31.25	T	2199.140625	R	C
DD134	31.25	T	2199.171875	R	C
DD135	31.25	T	2199.203125	R	C
DD136	31.25	T	2199.234375	R	C
DD137	31.25	T	2199.265625	R	C
DD138	31.25	T	2199.296875	R	C
DD139	31.25	T	2199.328125	R	C
DD140	31.25	T	2199.359375	R	C
DD141	31.25	T	2199.390625	R	C
DD142	31.25	T	2199.421875	R	C
DD143	31.25	T	2199.453125	R	C
DD144	31.25	T	2199.484375	R	C
DD145	31.25	T	2199.515625	R	C
DD146	31.25	T	2199.546875	R	C
DD147	31.25	T	2199.578125	R	C
DD148	31.25	T	2199.609375	R	C
DD149	31.25	T	2199.640625	R	C
DD150	31.25	T	2199.671875	R	C

DD151	31.25	T	2199.703125	R	C
DD152	31.25	T	2199.734375	R	C
DD153	31.25	T	2199.765625	R	C
DD154	31.25	T	2199.796875	R	C
DD155	31.25	T	2199.828125	R	C
DD156	31.25	T	2199.859375	R	C

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

S11. DIGITAL MODULATION PARAMETERS For each digital emission provide:

(a) Digital Mod. ID	(b) Emission Designator	(c) Assigned Bandwidth (kHz)	(d) No. of Phases	(e) Uncoded Data Rate (kbps)	(f) FEC Error Correction Coding Rate	(g) CDMA Processing Gain (dB)	(h) Total C/N Performance Objective (dB)	(i) Single Entry C/I Objective (dB)
VH	27K7G7W	31.25	4	4	0.77		5.5	17.2
D1	27K7G7W	31.25	4	4.8	0.45		8	20.5
D2	27K7G7W	31.25	4	9.6	0.58		9.5	22
G	153KG7W	156.25	4	144				
CMD	1M00F2D	1250						
TLM	125KG7D	150						

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

S13. TYPICAL EMISSIONS For each planned type of emission provide:

Associated Transponder ID Range		Modulation ID		(e) Carriers per Transponder	(f) Carrier Spacing (kHz)	(g) Noise Budget Reference (Table No.)	(h) Energy Dispersal Bandwidth (kHz)	Receive Band (Assoc. Transmit Stn)		Transmit Band (This Space Station)			
		(c) Digital (Table S11)	(d) Analog (Table S12)					(i) Assoc. Stn. Max. Antenna Gain (dBi)	Assoc. Station Transmit Power (dBW)	EIRP (dBW)		(n) Max. Power Flux Density (dBW/m ² /Hz)	(o) Assoc. Stn Rec. G/T (dB/K)
(a) Start	(b) End						(j) Min.	(k) Max.	(l) Min.	(m) Max.			

**FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)**

S14. Is the space station(s) controlled and monitored remotely? If Yes, provide the location and telephone number of the TT and C control point(s): Yes

Remote Control (TT C) Location(s):

S14a: Street Address: TBD			
S14b. City:	S14c. County:	S14d. State/Country	S14e. Zip Code:
S14f. Telephone Number:		S14g. Call Sign of Control Station (if appropriate):	

**FEDERAL COMMUNICATIONS COMMISSION
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FCC Form 312 - Schedule S: (Technical and Operational Description)**

S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

S15a. Mass of spacecraft without fuel (kg): 3000	Spacecraft Dimensions (meters)	Probability of Survival to End of Life (0.0 - 1.0)
S15b. Mass of fuel and disposables at launch (kg): 2250		
S15c. Mass of spacecraft and fuel at launch (kg): 5250	S15f. Length (m): 40.4	S15i. Payload:
S15d. Mass of fuel, in orbit, at beginning of life (kg): 250	S15g. Width (m): 17	S15j. Bus:
S15e. Deployed Area of Solar Array (square meters): 64	S15h. Height (m): 10.6	S15k. Total:

S16. SPACECRAFT ELECTRICAL CHARACTERISTICS:

Spacecraft Subsystem	Electrical Power (Watts) At Beginning of Life		Electrical Power (Watts) At End of Life	
	At Equinox	At Solstice	At Equinox	At Solstice
Payload (Watts):	(a): 9500	(f): 9500	(k): 9000	(p): 9000
Bus (Watts):	(b): 2000	(g): 1000	(l): 2000	(q): 1000
Total (Watts):	(c): 11500	(h): 10500	(m): 11000	(r): 10000
Solar Array (Watts):	(d): 14000	(i): 12500	(n): 13000	(s): 11500
Depth of Battery Discharge (%):	(e) 80 %	(j) 0 %	(o) 80 %	(t) 0 %

S17. CERTIFICATIONS:

a. Are the power flux density limits of § 25.208 met?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
b. Are the appropriate service area coverage requirements of § 25.143(b)(ii) and (iii), or § 25.145(c)(1) and (2) met?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
c. Are the frequency tolerances of § 25.202(e) and the out-of-band emission limits of § 25.202(f)(1), (2) and (3) met?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A

In addition to the information required in this Form, the space station applicant is required to provide all the information specified in Section 25.114 of the Commission's rules, 47 C.F.R § 25.114.