E_TSUM Requested by: DAVEM	Date: 02.07.2023 6:28:26 AM	DB: GNOMES-3_MOD1_API - REV~	Plan Id.:	Notice type: NONGEO

M	*A1a* Sat. Network: GNOMES-3	*A1f1* Notif. adm.: USA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 29.06.2023	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 122545092	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:

Résumé / Summary / Resumen

Article 9, sous-section IA / Article 9, sub-section IA / Artículo 9, sub-sección IA

第9条第1A分节 / Статья 9, подраздел IA / المادة 9، القسم الفرعي IA

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	BR47 Frequency band (MHz)	BR62 Expiry date for bringing into use	C4a Class of station
UP2081	R	M	2 /122628656	M	2080.9 - 2081.1	25.04.2029	EW
DN8260	E	M	1 /122628657	M	8250 - 8270	25.04.2029	EW

E_TSUM Requested by: DAVEM Date: 02.07.2023 6:28:26 AM DB: GNOMES-3_MOD1_API - REV~ Plan Id.: Notice type: NONGEO

M *A1a* Sat. Network: GNOMES-3 *A1f1* Notif. adm.: USA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 29.06.2023 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 122545092 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: UP2081 R

A1f2 Submitted on behalf:

A1g Short Mission Duration Res 32: N

A4b1 No. of orbital planes: 1 *A4b2* Ref. body: T *BR99* Total number of satellites: 1

A4b1a Constellation: N *A4b1b* Configuration type: *A4b1c* Number of sub-sets mutually exclusive:

A4b3a No. of space stations simult. trans. on Northern Hemisphere: *A4b3b* No. of space stations simult. trans. on Southern Hemisphere:

Action code	*Orbital plane id. no.*	*A4b1d Orbit set id.*	*A4b4a Inclination angle*	*A4b4b No. of satellites in this plane*	*A4b4c Period*	*A4b4d Apogee*	*A4b4e Perigee*	*A4b4f Min. altitude*	*A4b4i Arg. of perigee*	*A4b4j Long. asc. node*	*A4b4m,n,o Sun synchronous*		
											Y/N	*Reference node*	*Node local time*
	1		98	1	0-01:38	650e0	650e0	650e0			Y	D	11:00:00

Les renseignements figurant dans le tableau «PHASE» (éléments A.4.b.4.j, A.4.b.4.h et A.4.b.4.l de l'Appendice 4) ne sont pas inclus dans le présent fichier et peuvent être consultés directement dans la base de données mdb, si besoin est.	Information from the "PHASE" table (A.4.b.4.j, A.4.b.4.h and A.4.b.4.l of Appendix 4) is not included in this file and may be consulted directly from the mdb database if needed.	En este archivo no se incluye información del Cuadro «FASE» (A.4.b.4.j, A.4.b.4.h y A.4.b.4.l del Apéndice 4) que, en caso necesario, puede consultarse directamente en la base de datos mdb.

M *B1a/BR17* Beam designation: UP2081 *B1b* Steerable: *B2* Emi-Rcp: R *B3a1* Max. co-polar gain: 6

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle:

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.

List of orbital planes
ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

M *BR7a/BR7b* Group id.: 2 122628656 *BR1* Date of receipt: 29.06.2023 *C2c* RR No. 4.4: Y

BR14 Special Section:

C4a Class of station: EW *C3a* Assigned freq. band: *C5a* Noise temperature: 200

C4b Nature of service: CV *C6a* Polarization type: SR *C6b* Polarization angle:

C11a2 Service area: XAA *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 654 *A3b* Adm. resp.: A *BR16* Value of type C8b:

BR96 Start date for 9.1/9.1A: 25.04.2022

BR62 Expiry date for bringing into use 11.44/11.44.1: 25.04.2029

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
2080.9	MHz	2081.1	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f2* E.i.r.p. on the beam axis
1	200KG1D--	43	-10	40		-13		10		

C7b Carrier frequency of the emissions (200KG1D--)																	
2081	MHz																

E_TSUM Requested by: DAVEM Date: 02.07.2023 6:28:26 AM DB: GNOMES-3_MOD1_API - REV~ Plan Id.: Notice type: NONGEO

M *A1a* Sat. Network: GNOMES-3 *A1f1* Notif. adm.: USA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 29.06.2023 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 122545092 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: UP2081 R

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth
M	KSAT	T				1	TW	CV	34	2.5
A	BARROW	S	156W48 00	71N16 12	ALS	1	TW	CV	36.5	2.4
A	MAUI	S	156W27 16	20N49 02	HWA	1	TW	CV	35.4	2.8
A	INUVIK	S	133W26 24	68N12 36	CAN	1	TW	CV	34	2.5
A	PUNTA_ARENAS_PA11	S	070W51 00	52S56 00	CHL	1	TW	CV	45.9	0.86
A	PUNTA_ARENAS	S	070W00 00	53S00 00	CHL	1	TW	CV	34	2.5
A	TROLL_TR9	S	002E33 14	72S00 40	ATA	1	TW	CV	43.3	1.16
A	TROLL	S	002E33 14	72S00 40	ATA	1	TW	CV	34	2.5
A	GUAM	S	144E49 29	13N30 45	GUM	1	TW	CV	36.5	2.4
A	SVALBARD	S	015E24 28	78N13 46	NOR	1	TW	CV	34	2.5
A	SVALBARD_SG12	S	015E24 28	78N13 46	NOR	1	TW	CV	45.7	0.87
A	DUBAI	S	055E20 52	24N56 32	UAE	1	TW	CV	36.5	2.4
A	HARTEBEESTHOEK	S	027E42 00	25S48 00	AFS	1	TW	CV	34	2.5
A	S KOREA	S	126E48 00	33N30 00	KOR	1	TW	CV	34	2.5
A	JAPAN	S	141E37 12	42N46 12	J	1	TW	CV	36.2	1.95

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
KSAT	REC-465-5						
BARROW	REC-465-5						
MAUI	REC-465-5						
INUVIK	REC-465-5						
PUNTA_ARENAS_PA11	REC-465-5						
PUNTA_ARENAS	REC-465-5						
TROLL_TR9	REC-465-5						
TROLL	REC-465-5						
GUAM	REC-465-5						
SVALBARD	REC-465-5						
SVALBARD_SG12	REC-465-5						
DUBAI	REC-465-5						
HARTEBEESTHOEK	REC-465-5						
S KOREA	REC-465-5						
JAPAN	REC-465-5						

13C Remarks:

M *B1a/BR17* Beam designation: DN8260 *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 5

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.

List of orbital planes

ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

M *BR7a/BR7b* Group id.: 1 122628657 *BR1* Date of receipt: 29.06.2023 *C2c* RR No. 4.4: Y

E_TSUM Requested by: DAVEM Date: 02.07.2023 6:28:26 AM DB: GNOMES-3_MOD1_API - REV~ Plan Id.: Notice type: NONGEO

M *A1a* Sat. Network: GNOMES-3 *A1f1* Notif. adm.: USA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 29.06.2023 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 122545092 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: DN8260 E

BR14 Special Section:

C4a Class of station: EW *C3a* Assigned freq. band:

C4b Nature of service: CV *C6a* Polarization type: SR *C6b* Polarization angle:

C8d1 Max. tot. peak pwr.: *C8d2* Contiguous bandwidth:

C11a2 Service area: XAA *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 654 *A3b* Adm. resp.: A *BR16* Value of type C8b:

BR96 Start date for 9.1/9.1A: 25.04.2022

BR62 Expiry date for bringing into use 11.44/11.44.1: 25.04.2029

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
8250	MHz	8270	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	20M0G1DAX	7	-66	0		-73		10		

C7b Carrier frequency of the emissions (20M0G1DAX)																			
8260	MHz																		

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
M	KSAT	T				1	TW	CV	47.6	0.66	140		
A	BARROW	S	156W48 00	71N16 12	ALS	1	TW	CV	46.5	0.7	141		
A	MAUI	S	156W27 16	20N49 02	HWA	1	TW	CV	47	0.8	95		
A	USAK05	S	147W30 02	64N48 12	ALS	1	TW	CV	54.6	0.3	100		
A	USAK01	S	147W30 01	64N48 15	ALS	1	TW	CV	57.4	0.25	100		
A	INUVIK	S	133W26 24	68N12 36	CAN	1	TW	CV	47.6	0.66	140		
A	PUNTA_ARENAS_PA11	S	070W51 00	52S56 00	CHL	1	TW	CV	54.3	0.28	100		
A	PUNTA_ARENAS	S	070W00 00	53S00 00	CHL	1	TW	CV	47.6	0.66	140		
A	TROLL	S	002E33 14	72S00 40	ATA	1	TW	CV	47.6	0.66	140		
A	TROLL_TR9	S	002E33 14	72S00 40	ATA	1	TW	CV	52.2	0.63	100		
A	GUAM	S	144E49 29	13N30 45	GUM	1	TW	CV	46.5	0.7	141		
A	SVALBARD	S	015E24 28	78N13 46	NOR	1	TW	CV	47.6	0.66	140		
A	SVALBARD_SG12	S	015E24 28	78N13 46	NOR	1	TW	CV	55	0.29	100		
A	DUBAI	S	055E20 52	24N56 32	UAE	1	TW	CV	46.5	0.7	141		
A	HARTEBEESTHOEK	S	027E42 00	25S48 00	AFS	1	TW	CV	47.6	0.66	140		
A	AWA01	S	115E20 55	29S02 45	AUS	1	TW	CV	57.7	0.25	100		
A	S KOREA	S	126E48 00	33N30 00	KOR	1	TW	CV	47.6	0.66	140		
A	JAPAN	S	141E37 12	42N46 12	J	1	TW	CV	48.4	0.6	192		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
KSAT	REC-465-5						
BARROW	REC-465-5						
MAUI	REC-465-5						
USAK05	REC-465-5						
USAK01	REC-465-5						
INUVIK	REC-465-5						
PUNTA_ARENAS_PA11	REC-465-5						
PUNTA_ARENAS	REC-465-5						

TROLL	REC-465-5						
TROLL_TR9	REC-465-5						
GUAM	REC-465-5						
SVALBARD	REC-465-5						
SVALBARD_SG12	REC-465-5						
DUBAI	REC-465-5						
HARTEBEESTHOEK	REC-465-5						
AWA01	REC-465-5						
S KOREA	REC-465-5						
JAPAN	REC-465-5						

13C Remarks

***C9* Modulation characteristics**	***C7a* Designation of emission 200KG1D--**
C9a1 Type of modulation	PSK
C9a2a Lowest frequency	
C9a2b Highest frequency	
C9a2c Frequency deviation	
C9a3a Freq. deviation of the pre-emphasized signal	
C9a3b Pre-emphasis characteristics	
C9a3c Type of multiplexing	
C9a4a Bit rate	
C9a4b Number of phases	
C9a5a Modulating signal attached (see attch. no.)	
C9a5b Amplitude modulation	
C9a6a Peak-to-peak freq. dev.	
C9a6b Sweep frequency	
C9a6c Energy dispersal waveform	
C9a7 Type of energy dispersal	Carriers will always be modulated
C9a8 Other types of modulation (see attch. no.)	
C9a9 TV standard	
BR7a Group id.	2

E_TSUM Requested by: DAVEM	Date: 02.07.2023 6:28:26 AM	DB: GNOMES-3_MOD1_API - REV~	Plan Id.:	Notice type: NONGEO

M	*A1a* Sat. Network GNOMES-3	*A1f1* Notif. adm. USA	*A1f3* Inter. sat. org.	*BR1* Date of receipt 29.06.2023	*BR20* BR IFIC no.

BR6a/BR6b Id. no. 1 122545092	*BR3a* Provision reference 9.1/IA	*BR2* Adm. serial no.	DN8260 E

***C9* Modulation characteristics**	***C7a* Designation of emission 20M0G1DAX**
C9a1 Type of modulation	OQPSK
C9a2a Lowest frequency	
C9a2b Highest frequency	
C9a2c Frequency deviation	
C9a3a Freq. deviation of the pre-emphasized signal	
C9a3b Pre-emphasis characteristics	
C9a3c Type of multiplexing	
C9a4a Bit rate	
C9a4b Number of phases	
C9a5a Modulating signal attached (see attch. no.)	
C9a5b Amplitude modulation	
C9a6a Peak-to-peak freq. dev.	
C9a6b Sweep frequency	
C9a6c Energy dispersal waveform	
C9a7 Type of energy dispersal	Carriers will always be modulated
C9a8 Other types of modulation (see attch. no.)	
C9a9 TV standard	
BR7a Group id.	1

BR22 Administration remarks

BR23 Radiocommunication Bureau comments