GENERAL NOTICE

NOTICE 992 OF 2008



Independent Communications Authority of South Africa

Pinmill Farm, 164 Katherino Stroci, Sendion Private Bag X10002 Sandion, 2146

APPLICATION FOR THE TECHNICAL AMENDMENT TO THE LICENCES OF SABC 1, SABC 2, SABC 3, RSG, LESEDI FM, THOBELA FM, MOTSWEDING FM AND PHALAPHALA FM

- The Independent Communications Authority of South Africa ("the Authority") hereby gives notice, in terms of the provisions of section 10(2) of the Electronic Communications Act, No. 36 of 2005 ("EC Act"), that it has received an application from the South African Broadcasting Corporation Limited ("SABC") for the amendment to the broadcasting licences of SABC 1, SABC 2, SABC 3, RSG, Lesedi FM, Thobela FM, Motsweding FM and Phalaphala FM in terms of section 10(1) (c) of the EC Act.
- 2. The amendment is sought to allow for the expansion of SABC1, SABC 2, SABC 3 and different radio stations in the areas mentioned below:

2.1 Free State Province

- Philippolis SABC 1, 2, 3 and Lesedi FM
- Villiers SABC 1, 2, 3 and Lesedi

2.2 Western Cape Province

- Agter-witzenberg SABC 1, 2, 3 and RSG
- Genadendal SABC 1, 2, 3 and RSG

2.3 Limpopo Province

- Indermark SABC 1, 2, 3, and Thobela FM
- Vhulaudzi
 - o Mavhunga SABC 1, 2, 3 and Phalaphala FM
 - o Mpzema SABC 1, 2, 3 and Phalaphala FM

2.4 Northern Cape Province

- Kgalagadi ISRDP Node
 - o Springbokpan SABC 1, 2, 3, RSG and Motsweding FM
 - o Heuningvlei SABC 1, 2, 3 and Motsweding FM
 - Laxey SABC 1, 2, 3 and Motsweding FM
 - o Severn SABC 1, 2, 3, and Motsweding FM
 - o Loopeng SABC 1, 2, 3 and Motsweding FM

- 3. The detailed technical specifications of the proposed amendments are in the schedules below.
- 4. The effective date of the amendment would be the date on which the Authority's decision on the application would be published.
- 5. The applications relevant schedules and any representations received pursuant thereto would be made available and open for inspection by interested parties in the Authority's library during the Authority's normal office hours.
- 6. Interested parties are invited to lodge written representations in relation to the application not later than 16 September 2008. Persons who lodge representations in terms hereof must simultaneously indicate whether they also require an opportunity to make oral representations to the Authority should there be a hearing in respect of this application.
- 7. All written representations, responses and other correspondence in terms hereof must be directed to Thabo Ndhlovu at The Licensing Unit, Licensing and Compliance Division, Independent Communications Authority of South Africa at Block D, Pinmill Farm, 164 Katherine Street, Sandton, Johannesburg or Private Bag x 10002 Sandton, 2146 or by fax no. (011) 566 3186.
- 8. Persons who lodge representations in terms hereof, shall at the time of lodgement furnish proof to the satisfaction of the Authority that a copy of the representation has been delivered by hand to Mr. Lynn Mansfield, General Manager: Special Projects, SABC Radio Park, 2092 Henley Road, Auckland Park, or sent by registered post to Private Bag X1, Auckland Park 2006 or by fax to (011) 714 4816.
- 9. SABC (Pty) Ltd shall be entitled to respond in writing to written representations made by interested persons on the proposed amendment, and such written response must be lodged with the Authority not later than 7 October 2008. SABC (Pty) Ltd must, at the time of lodging such written response, furnish proof to the Authority's satisfaction that it has delivered a copy of such response by hand, or has sent a copy of such response by registered mail or by facsimile to the relevant person having made such written representations.

PARIS MASHILE CHAIRPERSON ICASA



SCHEDULE 1A

TRANSMISSION SPECIFICATIONS FOR LOW POWER TELEVISION EXPANSION TO PHILIPPOLIS

STATION		SERVICE	(GEO.	CO-C	RDIN	ATE:	S	Н	EIGHT	S	TRAN	SMIT	TER) 		T-31	ANT	ENNA	NAME OF TAXABLE PARTY.	(45 m)kal as akan		FE	ED	
NAME	CODE	CODE	L/	ATITUI	,		NGITU		SITE	MAST	ANT	FREQ	СН		GAIN	ERP	DIR		BEAM		NULL	POL			REMARKS
Company of Automotive agency		THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON	Deg	Mia	Sec	Deg	Min	Sec	111	m	Ш	MHz		KV¥	dΒ	k¥v	J.K.	AZM	WIDTH	TILT	FILL	FUL	lire	FKOM	
Philippolis	O48.1	SABC1	-30	-16	-4	25	17	21	1450	15		511.25	26	0.002	6	0.008	DIR	270	180	0	N	VER	DIVIV	SAT	Proposed specifications
Philippolis	O48.1	SABC2	-30	-16	-4	25	17	21	1450	15		471.25	21	0.002	6	800.0	DIR	270	180	C	N	VER	VIVID	SAT	Proposed specifications
Philippolis	048.1	SABC3	-30	-16	4	25	17	21	1450	15	14	543.25	39	0.002	6	C.008	DIR	270	180	0	N	VER	VIVID	SAT	Proposed specifications



TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER FM EXPANSION TO PHILIPPOLIS

STATION		SERVICE	(GEO.	CO-C	RDIN	ATE	3	Н	EIGHT.	\$	TRAN	SMIT	TER	*****	*CONTRACTOR	n-n-de-si	ANT	ENNA	, desperan	,	***************************************	FE	ED	
NAME	CODE	CODE	Deg	Min	Sec.		NGITU Min		m	ា	m	FREQ MHz	CH	PWR kW	dΒ	ERP kW	DIR	AZM	BEAM WIDTH		NULL FILL	POL	TYPE	FROM	REMARKS
Philippolis	O48.1	LESEDI	-30	-16	-4	25	17	21	1450		11	100.7	132	0.01	0		DIR	270	180	ũ	N	3	VIVID	SAT	Proposed specifications



SCHEDULE 1B

TRANSMISSION SPECIFICATIONS FOR LOW POWER TELEVISION EXPANSION TO VILLIERS

STATION		SERVICE	(GEO.	CO-0	RDIN	ATE	S	Н	EIGHT	S	TRAN	ISMIT	TER		7,700	CONTRACTOR OF THE PERSON AND PERS	ANT	ENNA			- INTERNAL	FE	ED	
NAME	CODE	CODE	L/	ATITUI			NGITU		SITE	MAST	ANT	8	СН	1	GAIN	ERP	DIR		BEAM		NULL	POL	TYPE	FROM	REMARKS
	A CONTRACTOR OF THE PARTY OF TH		Deg	Min	Sec	Deg	Min	Sec	m	m	m	MHz		k₩	dB	k₩		AZM	WIDTH	TILT	FILL				
Villiers	0131.1	SABC1	-27	-2	-8	28	36	57	1512	70	1	815,25	64	0.002	9	0.016	DIR	320	180	2	N	VER	VIVID	SAT	Proposed specifications
Villiers	0131.1	SABC2	-27	-2	-8	28	36	57	1512	70	68		68	0.002	9	0.016	DIR	320	180	2	N	VER	VIVID	SAT	Proposed specifications
Villiers	0131.1	SABC3	-27	-2	-8	28	35	57	1512	70		783.25	60	0.002	9	0.016	DIR	320	180	2	N	VER	VIVID	SAT	Proposed specifications



TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER FM EXPANSION TO VILLIERS

grapher)	STATION		SERVICE	(GEO.	CO-C	RDIN	ATES	5	Н	EIGHT	S	TRAN	SMIT	TER	ALPANDES CO		110000000000000000000000000000000000000	ANT	ENNA	a de la Transporta de l	**************************************		FE	ED	
Springer	NAME	CODE	CODE	L	ATITU	Œ	L0	NGITU	DE	SITE	MAST	ANT	FREQ	СН	PWR	GAIN	ERP	DIR		BEAM			POI	TYPE	FROM	REMARKS
	18/-1151	OODL	QQDL	Deg	Min	Sec	Deg	Min	Sec	m	m	m	MHz		kW	ďΒ	kW	Six	AZM	HTGIW	TILT	FILL	, 0			
STATE OF THE PARTY.	Villiers	0131.1	LESEDI	-27	-2	-8	28	36	57	1512	70	65	98.7	112	0.01	3	0.02	DIR	320	180	0	И	VER	VIVID	SAT	Proposed specifications



SCHEDULE 2A

TRANSMISSION SPECIFICATIONS FOR LOW POWER TELEVISION EXPANSION TO AGTER-WITSENBERG

STATION		SERVICE	(ΕO.	co-0	RDIN	ATE	3	Н	EIGHT	S	TRAN	SMIT	TER			PERMIT	ANT	ENNA	***************************************	Market Market	10-11-11-11-11-11-11-11-11-11-11-11-11-1	FE	ED	The state of the s
NAME	CODE	CODE	L/	TITUL			NGITU					FREQ	СН	PWR		ERP	DIR		BEAM		NULL	POL	TYPE	FROM	REMARKS
			Deg	Min	Sec	Deg	Min	Sec	m.	m.	M.	MHz		KAA	dΒ	kW		AZM	WIDTH	TILT	FILL				
Agter-Witsenberg	C12.11	SABC1	33	-14	Û	19	17	14	1092	15	14	487.25	23	0.005	9	0.04	DIR	270	180	4	N	VER	VIVID	SAT	Proposed specifications
Agter-Witsenberg	C12.11	SABC2	-33	-14	C	19	17	14	1092	15	14	519.25	27	0.005	0	0.04	DIR	270	180	4	N	VER	VIVID	SAT	Proposed specifications
Agter-Witsenberg	C12.11	SABC3	-33	-14	Q	19	17	14	1092	15	14	551.25	31	0.005	9	0.04	DIR	270	180	4	N	VER	VIVID	SAT	Proposed specifications



TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER FM EXPANSION TO AGTER-WITSENBERG

STATION		SERVICE	(GEO.	co-c	RDIN	ATE	5	Н	EIGHT	S	TRAN	ISMIT	TER	acainside		LEWING PER	ANT	ENNA	-			FE	ED	
NAME	CODE	CODE	L	Min		L0 Deg	NGITU Min		SITE m	MAST in	TKA m	FREQ MHz	¢н	PWR kW	GAIN dB	ERP %W	DIR	AZM	BEAM	TILT	NULL FILL	POL	TYPE	FROM	REMARKS
Agter-Witsenberg	C12.11	RSG	-33	14	U	19	17	14	1092	15	11	85.8	13	0.01	3	0.02	DIR	270	180	IJ	И	VER	VIVIO	SAT	Proposed specifications



SCHEDULE 2B

TRANSMISSION SPECIFICATIONS FOR LOW POWER TELEVISION EXPANSION TO GENADENDAL

STATION		SERVICE		GEO.					Н	EIGHT	S	TRAN	ISMI	TER		TARREST TOR	ARREST STATE	ANT	ENNA	distracture.		Mer Tellum Car	F	EED	
NAME	CODE	CODE		Min			NGITL Min	DE Sec	SITE	MAST m	ANT	FREQ MHz	CH	PWR kW	GAIN db	ERP kW	DIR		BEAM		NULL	POL		I	REMARKS
Genadendal	C2.4	SABC1	-34	-2	-17	19	33	8	335	15	14	495.25	24	0.002	-		DIR		WIDTH 180	TILT	N	VER	VIVID	SAT	Proposed specifications
Genadendal	C2.4	SABC2	-34	-2	-17	19	33	8	335	15	14	527.25	28	0.002		0.008	DIR	150	180	0	N	VER	VIVID	- C-Id-kou-ras	Proposed specifications
Genadendal	C2.4	SABC3	-34	-2	-17	19	33	8	335	15	14	559.25	32	0.002	6	0.008	DIR	150	180	()	N		VIVID	/ HOTE - 100 IN	Proposed specifications



TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER FM EXPANSION TO GENADENDAL

STATION		SERVICE	(GEO.	CO-C	RDIN	ATE:	S	Н	EIGHT	S	TRAN	ISMIT	TER		илинда М ОСТИРНИ	TOTAL PROPERTY.	ANT	TENNA				FF	ED	
NAME	CODE	CODE		Min		LO	NGITU Min		3	MAST	ANT m	FREQ MHz	СН	PWR	GAIN dB	ERP kW	DIR		BEAM	_	NULL FILL	POL		FROM	REMARKS
Genadendal	C2.4	RSG	-34	-2	-17	19	33	8	335	15	11	103.8	163	ZIE ORGENIA	0	dissortities.	DIR	CONTRACTOR OF THE PARTY OF THE	WIDTH 180	n IILI	N	VED	VIVID	SAT	Proposed energifications
EAST-TOTAL BUILD HAND HAND HOLD TO THE PARTY OF THE PARTY	70 FR C	THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O	-	MANAGEMENT OF	makes large	-	*************	***************************************	AMERICAN C		-		A STATE OF THE STA	4	NATION CONTRACTOR	-		CALCOCAL PROPERTY.				, L. I.	VIVID	3/1	Proposed specifications



SCHEDULE 3A

TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER TELEVISION EXPANSION TO INDERMARK

STATION			(EO.	00-0	RDIN	ATES	3	H	EIGHT	3	10	NS.	MITTE	D	andres and a	The same of the sa	D/D CHARLE	ANT	ENNA	- Committee			FF	ED	
NAME	CODE	SERVICE		ATITU			NGITU		_		ANT	FREQ		OFF		GAIN	ERP		7.111	BEAM		NULL				REMARKS
NAME	CODE		Deg	Min	Sec	Deg	Min	Sec	m	m	m	MHz	СН	SET		ďΒ	kW	DIR		WIDTH	TILT	FILL	POL	TYPE	FROM	
NDERMARK	T120.1	SBC1	-23	-4	51	29	6	26	870	31	25	551.25*	31	1)	0.002	9	0.016	γ	270	180	ŋ	N	VER	VIVID	SAI	
INDERMARK	T120.1	SBC2	-23	-4	51	29	6	26	870	31	25	567.25	33	0	0.002	9	0.018	Υ	270	190	0	N	VER	VIVID	SAT	
INDERMARK	T120.1	SBC3	-23	-4	51	29	6	26	870	31	25	583.25*	35	Э	0.002	Я	0.018	γ	270	180	0	N	VER	VIVID	SAT	

^{*} Suggested Frequency, to be confirmed by ICASA.



TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER THOBELA FM EXPANSION TO INDERMARK

STATION		SERVICE			CO-0				Н	EIGHT	S	TRAN	SMIT	TER	-		onize and	ANT	TENNA			are species	FE	ED	
NAME	CODE	CODE	L.A Deg	Min	Sec	LO	NGITU Min	Sec	SITE m	MAST m	ANT m	FREQ MHz	1 CH	PWR kW		ERP kW	DIR	AZM	BEAM	TILT	NULL	POL	TYPE	FROM	REMARKS
INDERMARK	1120.1	BELA	-23	-4	51	29	6	26	870	31	30	88.0*	5	0.010	3	0.020	Y	270	180	0	Ŋ	VER	VIVID	SAT	

^{*} Suggested Frequency, to be confirmed by ICASA.



SCHEDULE 3B

TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER TELEVISION EXPANSION TO VHULAUDZI

STATION		SERVICE	(GEO.	CO-0	RDI	IATE	S	Н	EIGHT	S	TR	ANSI	VITTE	R	-		2	ANT	ENNA	Market Market	and the same of the		FE	ED	THE REAL PROPERTY OF THE PROPE
NAME	CODE	CODE	U	ATITU	DE	LC	NGITL	IDE	SITE	MAST	ТИА	FREQ	СН	OFF	PWR	GAIN	ERP	DIR		BEAM		NULL	POL	TYPE	FROM	REMARKS
107.07	0000	0002	Deg	Min	Sec	Deg	Min	Sec	m	m	m	MHz		SET	KW	dB	k₩	DIK	AZM	WIDTH	TILT	FILL	FOL	11174	FROM	
MAVHUNGA	V3.3	SBC1	-22	-56	-27	30	7	18	1216	3()	28	471.25*	21	0	0.005	6	0.020	Υ	310	180	8	N	VER	SAT	PA1	STATE OF THE STATE
MAVHUNGA	V3.3	SBC2	-22	-56	-27	30	7	18	1216	30	28	559.25*	32	Ü	0.005	6	0.020	Υ	310	180	8	N	VER	SAT	PA1	
MAVHUNGA	V3.3	SBC3	-22	-56	-27	30	7	18	1216	30	28	591.25*	36	0	0.005	6	0.020	Y	310	180	8	N	VER	SAT	PA1	
MPZEMA	V3.2	SBC1	-22	-56	-40	30	10	5	1010	20	18	551.25*	31	Ü	0.002	6	0.008	Υ	110	180	0	N	VER	SAT	PA1	RBR possible from V3 if required
MPZEMA	V3.2	SBC2	-22	-56	40	30	10	5	1010	20	18	567.25*	33	U	0.002	6	0.008	Υ	110	180	0	N	VER	SAT	PA1	RBR possible from V3 if required
MPZEMA	V3.2	SBC3	-22	-56	-40	30	10	5	1010	20	18	583.25*	35	0	0.002	6	0.008	Y	110	180	0	N	VER	SAT	PA1	RBR possible from V3 if required

^{*} Suggested Frequency, to be confirmed by ICASA.



TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER PHALAPHALA FM EXPANSION TO VHULAUDZI

STATION	Acceptance in the later of the	0500405	(EO.	CO-0	RDI	VATE	S	Н	EIGHT	S	TRAN	SMIT	TER	WEITOWN	and the same	ACCEPTA	ANT	ENNA		T		FE	ED	
NIARAS	CODE	SERVICE	L	ATITUE)E	FC	NGITU	IDE	SITE	MAST	ANT	FREQ	СН		3	ERP	DIR		BEAM		NULL	POL	TYPE	FROM	REMARKS
NAME	CODE	CODE	Deg	Min	Sec	Deg	Min	Sec	m	m	m	MHz		kW	dΒ	kW		AZM	WIDTH	TILT	FILL				
MAVHUNGA	V3.3	PHAL	-22	-56	-27	30	7	18	1216	30	20	104.7*	172	0.010	0	0.010	Y	310	180	0	N	VER	RBR	V3.2	
MPZEMA	V3.2	PHAL	-22	-56	-10	30	10	5	1010	20	15	101.6*	141	0.010	0	0.010	Y	30	180	0	N	VER	RBR	V3	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE

^{*} Suggested Frequency, to be confirmed by ICASA. ct_SABC_exp to Vhalaudzi_spec.xls\Comb TV\21/07/08



SCHEDULE 4A

TRANSMISSION SPECIFICATIONS FOR LOW POWER TELEVISION EXPANSION TO KGALAGADI

STATION		SERVICE	GEO. CO-ORDINATES						Н	EIGHT	S	TRAN	ISMI	TTER			**********	ANT	ENNA			FEED			
NAME	CODE	CODE	LATITU Deg Min		Sec	LONGITUDE		Sec	SITE	MAST	TNA	FREQ MHz	сн	PWR kW	GAIN dB	ERP kW	DIR		BEAM		NULL	POL	TYPE	FROM	REMARKS
Springbokpan	C100.1	SABC1	-26	-13	-25	Deg 22	33	43	967	15	4.4	471.25	21	0.05	LID	0.4CO	DIR	AZM 120	WIDTH 180	TILT 0	FILL	V-0	140,00		
Springbokpan	C100.1	SABC2	26	-13	-26	22	33	43	967	 	1.4	<u> </u>		-	9	 -	-	-		ļ		VER	VIVID	SAT	Proposed specifications
, , ,									-	15	14	559.25	32	0.05	9	0.400	DIR	120	180	0	N	VER.	VIV/D	SAT	Proposed specifications
Springbokpan	C100.1	SABC3	-26	-13	-25	22	33	43	967	15	14	575.25	34	0.05	9	0.400	DIR	120	180	0	N	VER	VIV:D	SAT	Proposed specifications
Heuningvlei	C100.2	SABC1	-26	-17	-3	23	8	0	1144	30	30	599.25	37	0.01	6	0.040	DIR	160	180	0	N	VER	VIVID	SAT	Proposed specifications
Heuningvlei	C100.2	SABC2	-26	-17	-3	23	8	0	1144	30	30	631.25	41	0.01	6	0.040	DIR	160	180	0	N	VER	VIVID	SAT	Proposed specifications
Heuningvlei	C100.2	SABC3	-26	-17	-3	23	8	0	1144	30	30	663.25	45	0.01	6	0.040	DIR	160	180	0	N	VER	VIVID	SAT	Proposed specifications
Laxey	C100.3	SABC1	26	-43	-54	23	9	30	1079	30	30	495.25	24	0.002	6	0.005	DIR	0	180	0	N	VER	V!VID	SAT	Proposed specifications
Laxey	C100.3	SABC2	-26	-43	-54	23	9	30	1079	30	30	567.25	33	0.002	G	0.008	DIR	0	180	0	N	VER	ViVID	SAT	Proposed specifications
Laxey	C100.3	SABC3	-26	-43	-54	23	9	30	1079	30	30	591.25	36	0.002	δ	800.0	DIR	0	180	0	N	VER	VIVID	SAT	Proposed specifications
Severn	C100.4	SABC1	-26	-35	-21	22	51	25	1016	30	30	615.25	39	0.01	6	0.040	DIR	30	189	0	N	VER	CIVIV	SAT	Proposed specifications
Severn	C100.4	SABC2	-2ô	-35	-21	22	51	25	101G	30	30	647.25	43	6.01	6	0.040	DIR	30	180	0	N	VER	VIVID	SAT	Proposed specifications
Severn	C100.4	SABC3	-26	-35	-21	22	51	25	1016	30	30	679.25	47	0.01	6	0.040	DIR	30	180	0	N	VER	VIVID	SAT	Proposed specifications
Loopeng	C100.5	SABC1	-26	-46	-59	23	21	19	1102	30	30	607.25	38	0.002	ŝ	0.008	DIR	190	180	0	N	VER	VIVID	SAT	Proposed specifications
Loopeng	C100.5	SABC2	-26	-46	-59	23	21	19	1102	30	30	639.25	42	0.002	6	800.0	DIR	190	180	D.	N	VER	VIVID	SAT	Proposed specifications
Looperig	C100.5	SABC3	-26	-46	-59	23	21	19	1102	30	30	671.25	46	0.002	6	0.008	DIR	190	180	0	N	VER	VIVID	SAT	Proposed specifications



SCHEDULE 4B

TRANSMISSION SPECIFICATIONS FOR PROPOSED LOW POWER FM EXPANSION TO KGALAGADI

STATION		SERVICE	GEO. CO-ORDINATES						HEIGHTS			TRANSMITTER			ANTENNA									ED	
NAME	CODE	CODE	LATITUDE			LONGITUDE			SITE	MAST	ANT		СН	PWR		ERP	DIR	BEAM		NULL		POL	TYPE	FROM	REMARKS
			Deg	Min	Sec	Deg	Min	Sec	in ni	m	m	MHz		kW	dΒ	kW		AZM	WIDTH	TILT	FILL			110111	
Springbokp a n	C100.1	RSG	-26	-13	-26	22	33	43	967	15	11	89.1	16	0.1	0	0.10	DIR	120	180	0	N	VER	VIVID	SAT	Proposed specifications
Springbokpan	C100.1	MOTS	-26	-13	-26	22	33	43	967	15	11	105 8	183	0.1	Ü	0.10	DIR	120	180	0	N	VER	VIVID	SAT	Proposed specifications
Heuningvlei	C100.2	MOTS	-26	-17	-3	23	8	0	1144	30	28	92.2	47	0.05	6	0.05	DIR	160	180	û	Ν	VER	VIVID	SAT	Proposed specifications
Laxey	C100.3	MOTS	-26	-13	-54	23	9	30	1079	30	28	95.4	79	0.01	O	0.01	DIR	()	180	0	N	VER	VIVID	SAT	Proposed specifications
Severn	C100.4	MOTS	-26	-35	-21	22	51	25	1016	30	28	98.7	112	0.05	0	0.05	DIR	30	180	Ü	N	VER	CIVIV	SAT	Proposed specifications
Loopeng	C100.5	MOTS	-26	-46	-59	23	21	19	1102	30	28	102.2	147	0.01	()	0.01	DIR	190	18û	0	N	VER	VIVID	SAT	Proposed specifications