

CTY	Location	Service	RWY Desig	VHF Channel	DME Chan	MLS Chan	ID	Coordinates	TRD	VHF DOC	DME DOC	Max FL	Operational	Remarks	
ALB	KUKES	VOR/DME		112.150	58Y		LKU	420200N 202400E TRD 412359N 194321E 412527N 194315E		25/100	25/100	100	Assigned	DVOR	
		ILS/DME	17	109.100	28X		ITR	Alt=30 TRD 412542N 194307E 412419N 194324E	354	25/62.5	25/100	100	Operational		
	TIRANA/RINAS	VOR/DME	35	109.100	28X		ILI	Alt=32 412458N 194306E	174	25/62.5	25/100	100	Assigned		
		VOR/DME			117.700	124X		TRN	Alt=30 TRD 275059N 001030W 274948N		60/250	60/250	250	Operational	
ALG	ADRAR/ADRAR	ILS/DME	04	109.700	34X		AD	001142W	217	25/62.5	30/100	100	Operational		
		VOR/DME			112.600	73X		ADR	274901N 001221W		25/100	25/100	100	Operational	
	ALGER/H.BOUM EDIENE	ILS/DME	23	110.300	40X		AG	TRD 364132N 031303E 364237N 031457E	52	25/62.5	25/100	100	Operational		
		VOR/DME	09	108.500	22X		HB	TRD 364128N 031248E 364127N 031027E	272	25/62.5	25/100	100	Operational		
	ANNABA/RABAH BITAT	VOR/DME			112.500	72X		ALR	364128N 031256E		200/500	200/500	500	Operational	DVOR
		ILS/DME	19	109.700	34X		AN	TRD 364859N 074831E 365033N 074840E	7	25/62.5	20/100	100	Operational		
	BATNA/M.BEN BOULAI	VOR/DME			113.500	82X		ANB	364957N 074852E		200/500	200/500	500	Operational	
		ILS/DME	23	110.700	44X		BT	TRD 354434N 061737E 354526N 061914E	49	25/62.5	30/100	100	Operational		
	BECHAR/B.BEN ALI LOTFI	VOR/DME			115.700	104X		BTN	354617N 062038E		200/500	200/500	500	Operational	
		ILS/DME	18	108.100	18X		BC	TRD 313745N 021540W 313922N	1	25/62.5	25/100	100	Operational		
	BEJAIA/RAMDAN E	VOR/DME			113.900	86X		BCR	314105N 021541W		200/500	200/500	500	Operational	
		ILS/DME	26	110.500	42X		BJ	TRD 364236N 050313E	82	25/62.5	20/100	100	Operational	Pas de GP?	
	BENI-ABBES BISKRA/M.KHIDE R	VOR/DME			113.000	77X		BJA	364252N 050449E		250/500	200/500	500	Operational	
		VOR/DME			115.300	100X		BBS	300126N 021350W		200/500	150/500	500	Operational	
	BORDJ MOKHTAR	ILS/DME	31	110.900	46X		BI	TRD 344812N 054324E	128	25/62.5	25/150	150	Operational		
		VOR/DME			115.000	97X		BIS	344633N 054549E		250/500	200/500	500	Operational	
BORDJ OMAR DRISS	VOR/DME			114.000	87X		MOK	212257N 005702E		200/500	200/500	500	Operational		
	VOR/DME			114.300	90X		BOD	280759N 065021E		200/500	200/500	500	Operational		
BOU SAADA CONSTANTINE	VOR/DME			115.900	106X		BSA	351956N 041230E		200/500	200/500	500	Operational		
	ILS/DME	34	108.300	20X		CNT	TRD 361553N 063712E Alt=702	158	25/62.5	25/100	123	Operational			

ALG	CONSTANTINE/ M. BOUDIAF	ILS/DME	31	109.300	30X	CT	TRD 361711N 063645E 361619N 063753E Alt=702	136	25/62.5	25/100	100	Operational	DVOR				
		VOR/DME		115.500	102X		CSO		361736N 063630E	200/500	200/500	500		Operational			
	DJANET/TISKA	ILS/DME	13	109.900	36X	DJA	TRD 241630N 092848E 241716N 092712E	305	25/62.5	25/100	100	Operational	DVOR				
		VOR/DME		114.100	88X		DJA		241716N 092712E	200/500	200/500	500		Operational			
	ECH CHLEF	VOR/DME		117.000	117X	CLF	361248N 011920E		40/250	40/250	250	Operational	D-VOR				
	EL BAYADH	VOR/DME		114.800	95X	BAY	334235N 010445E		200/500	100/500	500	Operational					
	EL GOLEA	VOR/DME		112.100	58X	MNA	303331N 025142E		200/500	200/500	500	Operational					
EL OUED/GUEMAR	ILS/DME	13	108.300	20X	EO	TRD 333030N 064721E 333030N 064549E 333129N 064549E	307	25/62.5	30/100	100	Operational						
	VOR/DME		117.600	123X		ELO		333038N 064650E	200/500	200/500	500		Operational				
GHARDAIA/NOU MERATE	ILS/DME	30	109.500	32X	GH	TRD 322305N 034733E 322210N 034910E	122	25/62.5	25/100	100	Operational	DVOR					
	VOR/DME		114.900	96X		GHA		322336N 034640E	200/500	200/500	500		Operational				
	GHRISS		VOR	113.100				GRS	351234N 000856E	200/500			500	Operational			
HASSI MESSAOUD/OUÉ D IRARA	ILS/DME	36	109.100	28X	HM	TRD 314121N 060830E 313945N 060817E	184	25/62.5	25/100	100	Operational	DVOR					
	VOR/DME		114.700	94X		HME		313951N 060810E	200/500	200/500	500		Operational				
	HASSI R MEL		VOR/DME	115.400		101X		HRM	325615N 032124E	100/500	100/500		500	Operational			
	ILLIZI		VOR/DME	115.600		103X		ILZ	264315N 083809E	200/500	150/500		500	Operational			
	IN GUEZZAM		VOR	113.400				IGZ	193349N 054402E	200/500			500	Operational			
	IN SALAH		VOR/DME	113.100		78X		NSL	271448N 023009E	200/500	200/500		500	Operational			
	JIJEL/FERHAT ABBAS		ILS/DME	17		108.100		18X	JL	364812N 055224E			25/62.5	25/100	100	Operational	D-VOR
	VOR/DME		117.900			126X		JIL	364751N 055232E	200/500	200/500		500	Operational			
MOSTAGANEM	VOR/DME		112.200	59X	MOS	355355N 000811E	200/500	200/500	500	Operational							
ORAN/AHMED BENBELLA	ILS/DME	25L	109.900	36X	OR	TRD 353647N 003838W 353728N 003652W	67	25/62.5	25/100	100	Operational						
	VOR/DME	25R	108.700	24X		RN		003635W	67	25/62.5	25/100		100	Operational			
OUARGLA/AIN BEIDA	ILS/DME	36	108.900	26X	OG	TRD 353656N 003843W 353744N 003635W	179	25/62.5	25/100	100	Operational						
	VOR/DME		112.700	74X		ORA		353645N 003918W	200/500	200/500	500		Operational				
SETIF/AIN ARNAT	ILS/DME	27	110.900	46X	ST	TRD 315555N 052501E 315419N 052504E Alt=167	86	25/62.5	25/100	100	Operational						
	VOR/DME		114.600	93X		STF		361040N 051843E 361041N 052033E 361036N 051719E	40/250	40/250	250		Operational				

ALG	TAMANRASSET/A						TRD 224743N 052639E													
	GUENAR	ILS/DME	20	108.500	22X	TM	224926N 052719E	23	25/62.5	25/100	100	Operational								
			08	109.700	34X	TA	TRD 224842N 052720E 224830N 052532E	258	25/62.5	30/100	100	Operational								
				110.100	38X	TA	TRD 224842N 052720E 224831N 052534E	262	25/62.5	25/100	100	Operational								
		VOR/DME		112.500	72X	TMS	224827N 052647E		200/500	200/500	500	Operational	D-VOR							
	TEBESSA/C.LARB																			
	I TEBESSI	VOR/DME		114.500	92X	TBS	352724N 080407E		200/500	200/500	500	Operational	DVOR							
	TIARET/BOU																			
	CHEKIF	VOR/DME		116.300	110X	TRB	352052N 013054E		200/500	150/500	500	Operational								
	TIMIMOUN	VOR/DME		112.800	75X	TIO	291334N 001529E		200/500	200/500	500	Operational								
	TINDOUF	VOR/DME		114.200	89X	TDF	274236N 080751W		200/260	200/260	260	Operational								
							TRD 350031N 012823W 350056N													
	TLEMCEN/ZENAT	ILS/DME	25	109.100	28X	LT	012647W	67	25/62.5	30/100	100	Assigned								
	A	VOR/DME		116.500	112X	TLM	350054N 012446W		200/500	200/500	500	Operational	D-VOR							
							TRD 330522N 060533E													
TOUGGOURT/SI	ILS/DME	01	109.700	34X	GT	330347N 060511E	188	25/62.5	30/100	100	Assigned									
DI MAHDI	VOR/DME		113.200	79X	TGU	330326N 060520E		200/500	200/500	500	Operational									
ZARZAITINE/IN																				
AMENAS	VOR/DME		112.900	76X	IMN	280400N 093939E		200/500	200/500	500	Operational	DVOR								
	ZEMMOURI	VOR/DME		116.600	113X	ZEM	364743N 033415E		200/500	200/500	500	Operational	DVOR							
							TRD 404600N 435207E													
ARM	GYUMRI/SHIRAK	ILS	02	110.300		IGM	404421N 435116E	204	25/62.5		62	Operational								
		VOR/DME		113.400	81X	GRM	@404346N 435050E		50/250	50/250	250	Operational	TVOR DOPPLER							
	SISIAN	VOR/DME		113.000	77X	SAX	392759N 461454E		200/500	200/500	500	Assigned	CVOR							
	YEREVAN/ZVART																			
	NOTS	GBAS		116.000		GZVR	400845N 442237E		23/100		100	Assigned								
							TRD 400851N 442527E													
		ILS	09	108.100		IZR	400846N 442238E	270	25/62.5		62	Operational								
		VOR/DME		112.300	70X	ZVR	@400849N 442017E		200/500	200/500	500	Operational								
AUT	AINECK	DME			70X	AIN	470319N 133815E			60/500	500	Operational								
	FEICHTBERG	DME			118Y	FEI	482815N 134107E			60/500	500	Operational								
							480618N 163745E													
	FISCHAMEND	VOR/DME		110.400	41X	FMD	Alt=195		60/500	60/500	500	Operational	TVOR							
							482554N 140747E													
	FREISTADT	DME			82X	FRE	Alt=614			60/500	500	Operational								
							474818N 130642E													
	GAISBERG	DME			31Y	GSB	Alt=1305			60/500	500	Operational								

AUT	GRAZ	VOR/DME		116.200	109X	GRZ	465719N 152658E 465720N 152658E Alt=334	60/500	60/500	500	Operational	
	GRAZ/GRAZ	ILS/DME	35	110.900	46X	OEG	TRD 470024N 152607E 465849N 152626E Alt=338	169	25/62.5	25/100	100	Operational
	INNSBRUCK	DME				PAT	471231N 112737E Alt=2246			60/500	500	Operational
		ILS/DME	08	109.700	34X	OEJ	TRD 471853N 113608E TRD 471531N 112026E 471536N 112113E 471535N 112113E	248	25/62.5	25/150	150	Operational
	INNSBRUCK/INN SBRUCK	ILS/DME	26	111.100	48X	OEV	Alt=584 @463551N 143344E 463552N 143344E	74	25/62.5	25/150	150	Operational
	KLAGENFURT	VOR/DME		113.100	78X	KFT	Alt=694 TRD 463848N 141901E 463819N 142101E 463819N 142100E		80/500	80/500	500	Operational
	KLAGENFURT/KL AGENFURT	ILS/DME	29	110.100	38X	OEK	Alt=448 464714N 145816E	106	25/62.5	25/100	100	Operational
	KORALPE LAMPELSBERG	DME				KOR	Alt=2146			60/500	500	Operational
		DME				LPB	480009N 150814E @481347N 140611E 481347N 140612E			60/500	500	Operational
	LINZ	VOR/DME		116.600	113X	LNZ	Alt=349 TRD 481357N 140953E 481357N 141206E 481356N 141206E		80/500	80/500	500	Operational
	LINZ/LINZ	ILS/DME	27	109.300	30X	OEL	Alt=301 TRD 481403N 141258E 481354N 141030E 481353N 141031E	87	25/62.5	25/100	100	Operational
			09	110.550	42Y	OEM	Alt=304 471655N 154623E	267	25/62.5	25/100	100	Operational
	RABENWALD	DME				RAW	Alt=1059			60/500	500	Operational
	RAUCHKOFEL	DME				LIZ	464756N 124658E @480009N 125334E			60/500	500	Operational
	SALZBURG SALZBURG/SALZ BURG	VOR/DME		113.800	85X	SBG	Alt=455		80/500	80/500	500	Operational
		GBAS		113.250		GSBG	474735N 130005E TRD 474645N 130047E 474803N 130004E 474803N 130005E		23/100		100	Operational
		ILS/DME	16	109.900	36X	OES	Alt=441 @475230N 161718E	337	25/62.5	25/100	100	Operational
	SOLLENAU	VOR/DME		115.500	102X	SNU	Alt=271		60/500	60/500	500	Operational

AUT	STOCKERAU STRADNERKOGEL	VOR/DME		113.000	77X	STO	482502N 160107E 482502N 160108E Alt=229	60/500	60/500	500	Operational	
		DME			92Y	STK	465043N 155555E Alt=659		60/500	500	Operational	
	TULLN- LANGELBARN	VOR/DME		111.400	51X	TUN	481834N 155847E Alt=195	25/100	25/100	100	Operational	
		DME			76X	VIW	@464147N 135454E Alt=1919		80/500	500	Operational	
	WAGRAM WIEN/SCHWEC HAT	VOR/DME		112.200	59X	WGM	481926N 162927E Alt=175	60/250	60/250	250	Operational	
		GBAS		109.875		GVIE	480631N 163418E TRD 480616N 163522E 480714N 163209E 480713N 163210E	23/100		100	Assigned	
		ILS/DME	11	110.300	40X	OEW	Alt=181 TRD 480507N 163534E 480703N 163453E	25/62.5	25/100	100	Operational	
			16	108.500	22X	OEZ	Alt=186 TRD 480728N 163141E 480632N 163418E 480632N 163417E	25/62.5	25/100	100	Operational	
			29	109.550	32Y	OEX	Alt=192 TRD 480723N 163436E 480529N 163532E 480529N 163533E	25/62.5	25/180	180	Operational	
			34	108.100	18X	OEN	Alt=184	25/62.5	25/100	100	Operational	
	ZELTWEG	TAC		47X	ZWG	471214N 144445E		25/90	90	Assigned	MIL	
				53X	ZEW	471214N 144445E		25/90	90	Assigned	MIL	
	ZIRBITZKOGEL	DME		95Y	ZIR	470418N 143335E		60/500	500	Operational		
	ZUGSPITZE	DME		87Y	ZUG	472517N 105904E		60/500	500	Operational		
AZE	BAKU	VOR/DME		115.000	97X	BAK	402515N 500350E	25/100	25/100	100	Operational	DVOR
	BAKU/HEYDAR ALIYEV	ILS/DME	16	109.500	32X	IBI	TRD 402704N 500235E 402915N 500147E	25/62.5	25/100	100	Operational	
17			110.500	42X	IBU	TRD 402715N 500348E 402856N 500341E	25/62.5	25/100	100	Assigned		
34			111.700	54X	IBN	TRD 402945N 500144E 402731N 500220E	25/62.5	25/100	100	Operational		
35			109.300	30X	IBA	TRD 402925N 500346E 402738N 500342E	25/62.5	25/100	100	Assigned		

AZE	FUZULI	ILS/DME	11	108.300	20X	IFL	TRD 393504N 471306E 393508N 471312E 393544N 471124E 393547N 471125E	290	25/62.5	25/100	100	Operational		
		VOR/DME	29	108.900	26X	IFZ	TRD 393552N 471059E 393557N 471104E 393516N 471249E 393513N 471247E	111	25/62.5	25/100	100	Operational		
	GANJA	ILS/DME	12	111.300	50X	IGL	TRD 404342N 462017E 404450N 461831E	308	25/62.5	25/100	100	Assigned		
		VOR/DME	30	110.900	46X	IGR	TRD 404457N 461810E 404351N 461952E	128	25/62.5	25/100	100	Assigned		
	LACHIN	ILS/DME	33	109.300	30X	ILN	TRD 404513N 461744E	3	25/62.5	25/100	100	Assigned	DVOR	
							TRD 395349N 462111E 395230N 462207E							
	LENKORAN	ILS/DME	33	109.900	36X	ILM	TRD 384624N 484746E 384452N 484845E	151	25/62.5	25/100	100	Operational		
	NAKHICHEVAN	GBAS		117.500		UBBN	391152N 452658E		30/100		100	Operational		
		ILS/DME	14L	109.500	32X	INT	TRD 391030N 452828E 391152N 452658E	318	25/62.5	25/100	100	Assigned		
				14R	111.700	54X	INR	TRD 391031N 452820E 391144N 452648E	318	25/62.5	25/100	100	Assigned	
				32L	111.100	48X	INL	TRD 391201N 452632E 391046N 452800E	138	25/62.5	25/100	100	Operational	
			VOR/DME	32R	109.100	28X	INO	TRD 391030N 452828E 391204N 452638E 391152N 452658E 391057N 452802E	138	25/62.5	25/100	100	Assigned	
				112X	116.500	112X	NAX	391206N 452627E		100/500	100/500	500	Operational	DVOR
	QABALA	ILS/DME	16	111.900	56X	IQL	TRD 404728N 474350E 404918N 474323E	347	25/62.5	25/100	100	Operational		
		VOR/DME	34	110.300	40X	IQR	TRD 404935N 474312E 404748N 474350E	167	25/62.5	25/100	100	Operational		
				72X	72X	QBL	404957N 474306E		25/100	25/100	100	Operational	DVOR	

AZE	YEVLA KH	ILS/DME	30	110.100	38X	IEV	TRD 403837N 470729E 403753N 470849E	130	25/62.5	26/131	131	Operational	
	ZAGATA LA	ILS/DME	33	109.100	28X	IZK	TRD 413421N 463942E 413253N 464024E	158	25/62.5	25/100	100	Operational	CVOR
		VOR/DME		114.100	88X	ZAQ	413314N 464012E		100/500	100/500	500	Assigned	
ZANGILAN	ILS/DME	21	108.100	18X	IZG	TRD 390558N 464356E 390722N 464507E	3	25/62.5	25/100	100	Operational		
BEL	AFFLIGEM ALL BELGIUM	VOR/DME VOR/DME TAC	03	108.700	24X	IZN	TRD 390737N 464513E 390612N 464413E	21	25/62.5	25/100	100	Operational	
				117.300	120X	ZNG	390756N 464526E		100/500	100/500	500	Operational	
				114.900	96X	AFI	@505428N 040820E		90/250	90/250	250	Operational	
					112Y		ALL BELGIUM(LAND)			40/250	250	Operational	MIL - NOT USABLE IN
					26Y		ALL BELGIUM(LAND)			40/250	250	Operational	MIL - Not usable in a
					34X		ALL BELGIUM(LAND)			40/250	250	Operational	MIL - Not usable in a
		54X		ALL BELGIUM(LAND)		40/250	250	Operational	MIL - Not usable in a				
		60X		ALL BELGIUM(LAND)		40/250	250	Assigned	MIL				
	ANTWERPEN/DE URNE	ILS/DME	11	111.750	54Y	IADO	TRD 511114N 042832E 511130N 042735E	290	25/62.5	25/100	100	Assigned	
		VOR/DME	29	111.750	54Y	IAD	TRD 511134N 042704E 511116N 042806E	110	25/62.5	25/100	100	Operational	
113.500				82X	ANT	511126N 042821E	40/250		40/250	250	Operational		
BEAUVECHAIN	ILS	04L	111.350		IBEV	TRD 504608N 044653E 504504N 044539E	219	25/62.5		62	Assigned	MIL Planned Opposit	
BRUNO BRUXELLES	TAC VOR/DME VOR/DME	22R	111.350		IBBE	TRD 504448N 044510E 504550N 044637E	39	25/62.5			62	Operational	MIL
				107X	BBE	504525N 044607E		100/250	250	Operational	MIL		
			110.600	43X	BUN	510707N 045032E		40/260	40/260	260	Operational	Real Power=34dBW -	
BRUXELLES	VOR/DME		114.600	93X	BUB	505408N 043217E		100/500	100/500	500	Operational		
BRUXELLES/NATI ONAL	ILS/DME	19	111.150	48Y	IBM	TRD 505306N 042926E 505430N 043007E	14	25/62.5	25/100	100	Operational		
		01 07L	109.900	36X	IBX	TRD 505456N 043011E 505324N 042940E	194	25/62.5	25/100	100	Operational	Planned opposite RV	
			108.900	26X		505500N 043000E		25/62.5	25/100	100	Operational		
			109.550	32Y	IBXL	TRD 505449N 043023E 505408N 042748E	245	25/62.5	25/100	100	Assigned	Planned	

BEL	BRUXELLES/NATIONAL		ILS/DME	07R	110.350	40Y		TRD 505359N 043135E 505323N 042913E	250	25/62.5	25/100	100	Assigned	Planned opposite RV
				25L	110.350	40Y	IBL	TRD 505319N 042841E 505349N 043111E	70	25/62.5	25/100	100	Operational	
				25R	108.900	26X	IBR	TRD 505349N 042655E 505441N 042941E	65	25/62.5	25/100	100	Operational	
	CHARLEROI/BRUSSELS SOUTH		ILS/DME	24	110.900	46X	IGC	TRD 502716N 042604E 502745N 042800E	66	25/62.5	25/100	100	Operational	
				07	110.150	38Y	ISG	TRD 502803N 042846E 502732N 042647E	245	25/62.5	25/100	100	Assigned	Planned opposite RV
					110.900	46X	IJU	TRD 502803N 042846E 502732N 042647E	245	25/62.5	25/100	100	Assigned	Planned opposite RV
	CHIEVRES		ILS	26	108.550		ICV	TRD 503428N 034903E 503438N 035106E 503426N 034958E	80	25/62.5		62	Operational	MIL USAF
	COSTA FLORA		VOR/TAC VOR/DME VOR/DME		113.200 110.050 112.050	79X 37Y 57Y	CIV COA FLO	503420N 034918E 512053N 032119E 505236N 050804E		60/500 60/500 50/250	60/500 60/500 50/250	500 500 250	Operational Operational Operational	MIL USAF TACAN - DI
	FLORENNES		ILS/DME	08	108.350	20Y	IFLR	TRD 501447N 044021E 501434N 043800E	260	25/62.5	25/100	100	Operational	MIL
				26R	108.350	20Y 52X	IBFS BFS	TRD 501427N 043731E 501439N 043948E @501429N 043912E	80	25/62.5	25/100 200/500	100 500	Assigned Operational	MIL MIL
	GOSLY HULDENBERG		TAC VOR/DME VOR/DME		115.700 117.550	104X 122Y	GSY HUL	502714N 042629E 504458N 043830E		30/260 40/250	30/260 40/250	260 250	Operational Operational	Real Power = 37dBW
	KLEINE BROGEL		ILS	05L	108.500		IKNB	TRD 511039N 052916E 510941N 052730E	230	25/62.5		62	Assigned	MIL
			ILS/DME	05	109.950	36Y	IKNB	TRD 511022N 052851E	230	25/62.5	25/100	100	Assigned	
				23R	109.950	36Y 33X 36Y	IBBL BBL BBL	TRD 510933N 052708E 511022N 052851E 511013N 052759E 511013N 052759E	50	25/62.5	25/100 40/250 40/250	100 250 250	Operational Operational Assigned	MIL MIL
KOKSY		VOR/TAC		114.500	92X	KOK	@510557N 023920E		100/500	100/500	500	Operational	MIL TACAN 100NM 9	
KORTRIJK/WEVELGEM		ILS/MLS/DME	24	110.700	44X	526 IKT	TRD 504850N 031140E 504914N 031306E	62	25/62.5	25/100	100	Operational		

BEL	LIEGE/LIEGE	DME			85Y	LIE	504204N 053257E		40/250	250	Operational			
		ILS/DME	04L	109.350	30Y		TRD 503851N 052722E 503803N 052527E	225	25/62.5	25/100	100	Assigned		
			04R	108.750	24Y	IHH	TRD 503906N 052800E 503754N 052558E	225	25/62.5	25/100	100	Operational		
			22L	109.350	30Y	ILG	TRD 503734N 052534E 503847N 052722E	45	25/62.5	25/100	100	Operational		
		22R	108.750	24Y	IBI	TRD 503743N 052533E 503840N 052655E	45	25/62.5	25/100	100	Assigned			
				109.350	30Y	IBI	TRD 503743N 052533E 503840N 052655E	45	25/62.5	25/100	100	Operational		
			VOR/DME		115.450	101Y	LGE	503914N 052814E		40/250	40/250	250	Operational	
		MACKEL	DME			31X	MCL	505753N 032946E			40/250	250	Assigned	
		NICKY	VOR/DME		117.400	121X	NIK	@510954N 041102E		100/500	100/500	500	Operational	
		OLNO	VOR/DME		112.800	75X	LNO	@503509N 054237E		80/500	80/500	500	Operational	
		OOSTENDE/OOSTENDE	ILS	26	109.500		IOS	TRD 511145N 025056E 511202N 025315E	76	25/62.5		62	Operational	
			ILS/DME	26	111.300	50X	IOS	TRD 511145N 025056E 511202N 025315E	76	25/62.5	25/100	100	Assigned	
				08	111.550	52Y	IMI	TRD 511214N 025403E 511148N 025142E	256	25/62.5	25/100	100	Operational	DIRECTIONAL DME
		SPRIMONT	VOR/DME		113.100	78X	SPI	@503053N 053725E 445630N 171746E		80/500	80/500	500	Operational	
BIH	BANJA LUKA	VOR/DME		115.300	100X	LAK	Alt=130		40/250	40/250	250	Operational		
							TRD 445540N 171804E 445700N 171748E							
	BANJA LUKA/MAHOVLIA	ILS/DME	17	108.700	24X	BAL	Alt=124	350	25/62.5	25/100	100	Operational		
	DERVENTA	VOR/DME		112.400	71X	DER	445903N 175810E		80/500	80/500	500	Operational		
	MOSTAR	ILS/DME	33	108.100	18X	MOS	TRD 431624N 175117E 431624N 175118E	158	25/62.5	25/150	150	Operational		
		VOR/DME		116.900	116X	MSR	Alt=50 431541N 175121E		70/500	70/500	500	Operational		
	OMARSKA	VOR/DME		117.900	126X	OMA	Alt=55 445729N 164816E		80/500	80/500	500	Operational		
	SARAJEVO	VOR/DME		116.000	107X	KIS	Alt=170 440106N 180347E		25/500	25/500	500	Operational		
			116.700	114X	KEB	Alt=769 @435602N 182659E		150/500	150/500	500	Operational			

BIH	SARAJEVO/SARAJEVO	ILS/DME	12	110.700	44X	BHS	TRD 434906N 182052E 434946N 181919E Alt=520	297	25/62.5	25/100	100	Operational
	TUZLA/DUBRAVE	ILS/DME VOR/DME	09	110.100 108.800	38X 25X	TLA TZU	TRD 442726N 184435E 442731N 184245E 442724N 184408E	276	25/62.5 50/500	25/150 80/500	150 500	Operational Operational
BLR	BREST	ILS	29	110.300	84Y	IBY	TRD 520656N 235210E 520612N 235431E	113	25/62.5	80/500	62	Operational
		VOR/DME		113.750		BRT	520634N 235316E 541445N 272850E		80/500		500	Operational
	DASHKI HLYBOKAJE	DME	89Y	94Y	DSK	Alt=284	50/200	200	Operational			
		DME			GLB	550903N 274009E		80/500	500	Operational		
	HOMIEL	ILS	10	109.300	IGM	TRD 523116N 310234E 523154N 310016E	290	25/62.5	62	Operational		
				28	108.700	IMV		TRD 523158N 305932E 523131N 310152E 523201N 305950E	110	25/62.5	62	Operational
		VOR/DME	113.100	78X	GOL	Alt=147	100/500	100/500		500	Operational	
	HRODNA	ILS	17	109.500	IGP	TRD 533451N 240318E 533637N 240321E	358	25/62.5	62	Operational		
		VOR/DME		115.750	104Y	GRD		533628N 240321E 535454N 271652E	80/500	80/500	500	Operational
	KHATZYZHYNA	DME	101Y	KTZ	Alt=269	50/200	200	Operational				
MAHILIOU	ILS	13	111.100	IUF	TRD 535628N 300702E 535739N 300456E	316	25/62.5	62	Operational			
MAZYR	VOR/DME		116.750	114Y	MGL		535710N 300544E	80/500	80/500	500	Operational	
	DME	111Y	MZR	520214N 291130E 535306N 280256E	80/500	500	Operational					
MINSK-2	GBAS	115.400	LKSM	Alt=218	23/100	100	Assigned					
	ILS	13	108.900	IVX	TRD 535151N 280329E 535330N 280049E	318	25/62.5	62	Operational			
		31	109.700	IGH	TRD 535405N 280010E 535217N 280237E	138	25/62.5	62	Operational			
	ILS/DME	13L	110.700	44X	TRD @535238N 280429E 535414N	319	25/62.5	25/100	100	Operational		
		31R	110.100	38X	TRD @535441N 280126E 535259N	139	25/62.5	25/100	100	Operational		
	VOR/DME	83X	113.600	83X	280407E Alt=188,206 535304N 280114E	100/500	100/500	500	Operational			

BLR	ORSHA	ILS/DME	23	111.500	52X	IBS	TRD @542552N 301613E 542645N	60	25/62.5	25/100	100	Operational				
			05	110.900	46X		TRD @542654N 301918E 542607N									
PINSK RAVANICHSKAY A SLABADA	VOR/DME DME DME			110.400	41X	ORS	Alt=196		100/500	100/500	500	Operational				
					81X		PNK							520913N 260748E		
					80Y		RVS							535454N 283442E Alt=166		
VICIEBSK	ILS		23	111.900		IUU	TRD 550707N 301926E 550747N 302155E	62	25/62.5		62	Operational				
							VTB							550740N 302136E Alt=211		
ZVIAZDA ALABORUN	DME DME				74X	ZVD	Alt=167			50/200	200	Operational				
					97Y		ALA							414619N 230351E		
ALL BULGARIA	TAC				107Y	BGT	ALL BULGARIA(LAND)			25/100	100	Assigned	MIL			
					26Y		BTA							ALL BULGARIA(LAND) @424002N 234850E		
BAILOVO	VOR/DME			117.500	122X	BLO	Alt=920		125/500	125/500	500	Operational	AIP			
BEZMER	ILS/DME	30	108.300	20X	20X		IZR							TRD 422749N 261951E 422704N 262152E	120	25/62.5
						TAC		38X	BEZ	Alt=156						
						VOR			BEZ	Alt=156						
						VOR/TAC		116.950	116Y	BEZ	422727N 262029E 422719N 262050E @423514N 273217E					
BURGAS	VOR/DME			112.000	57X	BGS	Alt=51		190/500	190/500	500	Operational				
BURGAS/SARAF OVO DOBRUDZHA DOLNA/MITROP OLIA	ILS/DME DME TAC	22	110.300	40X 120Y	40X		IBG							TRD 423326N 272954E 423440N 273138E	44	25/62.5
									DBD	433535N 281505E						
									DMT	432700N 243000E 424511N 274531E						
EMONA	DME				83Y	EMO	Alt=530			200/500	500	Operational				
GOLYAMA GORNA	VOR/DME VOR/DME			114.100	88X		GOL							Alt=410		
				115.550	102Y	GRN	430912N 254242E									

BUL	GRAF IGNATIEV	ILS/DME	08	109.300	30X	IGY	TRD 421737N 244409E	260	25/62.5	25/100	100	Assigned	MIL	
		VOR/TAC		115.900	106X		GRY		421718N 244205E	40/250	40/250	250	Assigned	MIL
	KALOTINA	DME			122Y	KAL	Alt=950			200/500	500	Operational		
					92X		425700N 225200E			80/500	500	Assigned	TEST	
	KRUMOVO	TAC			109X	KMW	@420400N 245100E			60/250	250	Assigned	MIL	
		ORELYAK			DME		119Y			ORL	413414N 233646E	200/500	500	Assigned
	OSOGOVO	DME			117Y	BOG	421222N 223745E			200/500	500	Assigned	Planned	
	BOGOSLOV													
	PLOVDIV	ILS/DME	30	109.900	36X	IPD	TRD 420435N 245009E	127	25/62.5	25/100	100	Operational	DME PLANNED	
					VOR/DME		114.900			96X	PDV	420312N 245235E		60/250
		PRIMORSKO	DME		123Y	PMS	421829N 274531E			200/500	500	Assigned	Planned	
		ROZHEN	DME			98Y	ROZ	Alt=1790			180/500	500	Operational	PLANNED/TEST
			RUSE			VOR/DME		115.550			102Y	RUS	433900N 255900E	
		SOFIA	VOR/DME			73X	SOF	Alt=530		80/500	80/500	500	Operational	
SOFIA/VRAJDEB								ILS/DME			27	109.500	32X	ISF
NA		09	110.700	44X	ISL	424147N 232609E	275		25/62.5	25/100			100	
VARBITZA				DME						92Y	VRB	Alt=530		
		VARNA	VOR/DME		112.400		71X		WRN	425533N 264003E				
VARNA/AKSAKO	ILS/DME	09	109.900	36X	IWN	Alt=50	277	25/62.5	25/100	100	Operational			
VO				VO		VO			VO	VO	VO	VO	VO	VO
VITOSHA	DME			81Y	VIT	Alt=2270			200/500	500	Operational			
CNR	ALL CANARY	TAC		112Y		ALL CANARY(ALLCNR)			40/250	250	Operational	MIL		
				26Y		ALL CANARY(ALLCNR)			40/250	250	Operational	MIL		
				34X		ALL CANARY(ALLCNR)			40/250	250	Operational	MIL		
				54X		ALL CANARY(ALLCNR)			40/250	250	Operational	MIL		
	EL HIERRO	VOR/DME		116.100	108X		ALL CANARY(ALLCNR)		60/250	60/250	250	Operational	MOBILE EQUIPMENT	
	DME			79X	HR	274858N 175311W			200/500	500	Operational			

CNR	FUERTEVENTURA	DME			17X	FUE	282257N 135158W TRD 282553N 135152W 282724N 135145W 282724N			200/500	500	Operational	
		ILS/DME	19	111.300	50X	IFA	135146W TRD 282755N 135148W 282639N	2	25/62.5	25/100	100	Operational	
		VOR/DME	01	109.500 114.100	32X 88X	IFV FTV	135147W 282551N 135152W TRD 275649N 152248W 275519N	182	25/62.5 200/500	25/100 200/500	100 500	Operational Operational	
	GRAN CANARIA	ILS/DME	03L	109.900	36X	ILP	152323W TRD 275501N 152336W 275632N	201	25/62.5	25/100	100	Operational	
		TAC VOR/DME	21R	110.700	44X 103X	RLP TGN	152251W 275524N 152322W	21	25/62.5	25/100 200/500	100 500	Operational Operational	MIL
	LA GOMERA LA PALMA	VOR/DME		112.900	76X	GDV	280437N 152544W		200/500	200/500	500	Operational	
		DME		115.000	97X	LPC	274943N 152556W		200/500	200/500	500	Operational	
	LANZAROTE	VOR/DME		116.000	107X	LGM	280144N 171254W		200/500	200/500	500	Operational	
		DME			71X	BV	283606N 174524W TRD 285724N 133556W 285619N 133637W 285619N			160/500	500	Operational	
		ILS/DME	03	109.100	28X	IRR	133638W	207	25/62.5	25/100	100	Operational	
		TAC			94X	TLZ	285641N 133625W			200/500	500	Operational	MIL
		VOR/DME		114.400 115.200	91X 99X	LTE LZR	285654N 133605W 290958N 133039W TRD 282837N 161928W 282909N		200/500 200/500	200/500 200/500	500 500	Operational Operational	
	TENERIFE NORTE	ILS/DME	12	108.700	24X	INOR	162116W TRD 282921N 162141W 282840N	291	25/62.5	25/100	100	Operational	
		VOR/DME	30	110.300 116.200 117.700	40X 109X 124X	ITF LRO TFN	161947W 282906N 162106W 283213N 161608W TRD 280218N 163526W 280252N	111	25/62.5 200/500 200/500	25/100 200/500 200/500	100 500 500	Operational Operational Operational	
		ILS/DME	26	110.900	46X	ISUR	163337W TRD 280303N 163316W 280222N	69	25/62.5	25/100	100	Operational	
	TENERIFE SUR	VOR/DME	08	109.700 116.400	34X 111X	ITS TFS	163501W 280009N 164117W	249	25/62.5 200/500	25/100 200/500	100 500	Operational Operational	
		AKROTIRI	ILS	28	109.700		IAK	TRD 343543N 325820E 343519N 325957E	100	25/62.5		62	Operational
	TAC				107X	AKR	343401N 325701E			200/500	500	Operational	

CYP	LARNACA	ILS/DME	22	110.300	40X	ILC	TRD 345138N 333629E	45	25/62.5	50/100	100	Operational	
		VOR/DME		112.800	75X		LCA		345222N 333732E	200/500	200/500	500	Operational
	PAPHOS	ILS/DME	29	108.900	26X	IPA	TRD 344324N 322805E	110	25/62.5	50/100	100	Operational	
		VOR/DME		117.900	126X		PHA		344242N 323021E	200/500	200/500	500	Operational
CZE	ALL CZECH REPUBLIC	TAC			112Y		ALL CZECH REPUBLIC(LAND)			40/500	500	Operational	NATO
					26Y		ALL CZECH REPUBLIC(LAND)			40/500	500	Operational	NATO
					34X		ALL CZECH REPUBLIC(LAND)			40/500	500	Operational	NATO
		VOR/DME		114.950	96Y		ALL CZECH REPUBLIC(LAND)		60/500	60/500	500	Operational	FLIGHT TEST
	BRNO	ILS/DME	27	111.500	52X	BO	TRD 490912N 164015E	97	25/62.5	25/100	108	Operational	
		VOR/DME		114.450	91Y		BNO		490855N 164227E	80/500	80/500	500	Operational
	CASLAV	ILS/DME	31	111.750	54Y	CF	TRD 495659N 152203E		25/62.5	25/100	110	Operational	MIL
	CESKE BUDEJOVICE	ILS/DME	27	110.500	42X	BW	495557N 152323E	89	25/62.5	25/100	100	Operational	
	CHEB	VOR/DME		115.700	104X		OKG		TRD 485646N 142419E	80/500	80/500	500	Operational
	DESNA FRYDLANT	VOR/DME		113.150	78Y	OKF	485809N 153244E	OKX	80/500	80/500	500	Operational	
		VOR/DME		114.850	95Y		OKX		Alt=478	80/500	80/500	500	Operational
	KARLOVY VARY	ILS/DME	29	111.550	52Y	KVY	TRD 501225N 125402E		25/62.5	25/50	82	Operational	
	KBELY	ILS/DME	24	108.350	20Y	KD	501204N 125533E		25/62.5	25/100	109	Operational	MIL
	NAMEST	ILS/DME	31	111.350	50Y	LA	Alt=607	130	25/62.5	25/100	115	Operational	MIL
	NERATOVICE	TAC		39X			NAS		TRD 500658N 143140E	80/500	80/500	500	Operational
		VOR/DME		112.250	59Y	NER	500724N 143312E		80/500	80/500	500	Operational	
	OSTRAVA	ILS/DME	22	110.950	46Y	OSV	TRD 491031N 160627E	46	25/62.5	25/100	108	Operational	
		VOR/DME		117.450	121Y		OTA		490936N 160800E	100/500	100/500	500	Operational
	PARDUBICE	ILS/DME	27	109.350	30Y	PK	TRD 494056N 180517E		25/62.5	25/100	108	Operational	CIVIL/MILITARY

CZE	PISEK	DME			123X	PSK	494706N 140205E TRD 500520N 141706E 500620N 141452E		100/500	500	Operational				
	PRAHA/RUZYNE	ILS/DME	12	109.950	36Y	PA	Alt=355 TRD 500601N 141316E 500656N 141605E	307	25/62.5	25/100	112	Operational			
			24	109.100	28X	PR	Alt=352 TRD 500636N 141428E 500528N 141634E	65	25/62.5	25/100	112	Operational			
			30	109.500	32X	PG	Alt=374 TRD 500703N 141642E 500615N 141349E	127	25/62.5	25/100	112	Operational			
		06	111.150	48Y	PH	Alt=364	245	25/62.5	25/100	112	Operational				
		06R	110.550	42Y	PU	TRD 500600N 141400E	245	25/62.5	25/100	100	Assigned	RESERVED FOR A NE			
		24L	111.900 112.600	56X 73X	PW OKL	TRD 500600N 141400E 500545N 141556E TRD 492555N 172531E 492525N 172331E	65	25/62.5 100/500	25/100 100/500	100 500	Assigned Operational	RESERVED FOR A NE			
	PREROV REVNICOV VLASIM	ILS/DME	06	110.150	38Y	CK	Alt=220	246	25/62.5	25/100	107	Assigned	MIL		
			DME		93Y	RVC	501113N 134730E			90/500	500	Operational			
		VOR/DME		114.300	90X	VLM	@494215N 150400E TRD 501312N 142233E 501258N 142431E		80/250	80/250	250	Operational			
	VODOCHODY VOZICE	ILS/DME VOR/DME	28	110.750	44Y	VO	Alt=329	105	25/62.5	25/100	111	Operational			
				116.950	116Y	VOZ	493156N 145229E		80/500	80/500	500	Operational			
	D	ALL GERMANY	ILS	111.950				ALL GERMANY(LAND)(*)		25/62.5		62	Operational	TEST - NOT USABLE Z	
						112X		ALL GERMANY(LAND)			40/250	250	Operational	MOBILE	
					112Y		ALL GERMANY(LAND)			40/250	250	Operational	NOT USABLE IN A ZO		
					18X		ALL GERMANY(LAND)			100/100	100	Operational			
					26Y		ALL GERMANY(LAND)			40/250	250	Operational			
					34X		ALL GERMANY(LAND)			40/250	250	Operational	NOT USABLE 48NM F		
					40X		ALL GERMANY(LAND)			40/250	250	Operational			
					54X		ALL GERMANY(LAND)			40/250	250	Operational			
				VOR		108.000		TST	ALL GERMANY(LAND)		25/100		100	Operational	TEST + NIS (DGNSS)
						108.200		TST	ALL GERMANY(LAND)		25/100		100	Operational	TEST + NIS (DGNSS)

D	ALL GERMANY	VOR		117.950		TST	ALL GERMANY(LAND)		25/100		100	Operational	TEST + NIS (DGNSS)		
		VOR/DME		116.150	108Y		ALL GERMANY(LAND)		40/250	40/250		250	Operational	MOBILE	
		VOR/TAC		116.050	107Y		LAND	ALL GERMANY(LAND)		100/500	100/500		500	Operational	MOBILE AND TEST OI
				116.350	110Y			ALL GERMANY(LAND)		100/500	100/500		500	Operational	MOBILE
	ALLGAU	ILS/DME	24	110.100	38X	IAMW	TRD 475854N 101318E 475931N 101502E 475931N 101503E	59	25/62.5	25/100		100	Operational		
	ALTENBURG		06	111.100	48X	IAME	TRD 475948N 101534E 475902N 101349E	239	25/62.5	25/100		100	Operational		
		TAC			119X	ALD	475919N 101352E			25/100		100	Operational		
		DME			100X	AGD	505858N 123044E			25/100		100	Operational		
	AUGSBURG	ILS	22	108.700		IALW	TRD 505824N 122943E 505912N 123037E	40	25/62.5			62	Operational		
		DME			106X	AUG	482530N 105616E			25/100		100	Operational		
	BARMEN BERLIN/SCHONE FELD	ILS	25	108.500		IAGW	TRD 482522N 105513E 482530N 105616E @511939N 071037E	72	25/62.5			62	Operational		
		VOR/DME		114.000	87X	BAM	Alt=255		60/500	60/500		500	Operational		
		DME			91X	SDD	522228N 133013E			25/100		100	Operational		
	BERLIN- BRANDENBURG	ILS/DME	07L	110.700	44X	IBNE	TRD 522246N 133204E 522203N 132923E	249	25/62.5	25/100		100	Operational		
			07R	109.700	34X	IBSE	TRD 522137N 133151E 522042N 132826E	249	25/62.5	25/100		100	Operational		
			25L	109.500	32X	IBSW	TRD 522037N 132739E 522121N 133111E	69	25/62.5	25/100		100	Operational		
		25R	109.900	36X	IBNW	TRD 522156N 132836E 522239N 133116E 522239N 133115E	69	25/62.5	25/100		100	Operational			
BRAUNSCHWEIG	VOR/DME		114.100	88X	BBI	522031N 132715E Alt=0 521900N 103000E		80/500	80/500		500	Operational			
	GBAS		112.950		TST	Alt=85 TRD 521900N 103300E		23/100			100	Assigned	Testing Facility SLC		
	ILS/DME	17	109.750	34Y	TST	Alt=85	345	25/62.5	30/50		62	Operational	TEST		

D	BRAUNSCHWEIG BREMEN	ILS/DME	26	111.100	48X	BWG	TRD 521905N 103215E	85	25/62.5	25/100	100	Operational		
		DME			83Y		BND							521916N 103416E
		GBAS		116.650		EDDW	530200N 084600E		25/100		100	Operational		SLOTS A-H; RPDS/RS
		ILS	27	110.900		IBRW	TRD 530247N 084601E	88	25/62.5		62	Operational		
			09	110.300		IBRE	TRD 530251N 084846E	268	25/62.5		62	Operational		
		ILS/DME	09	110.300	40X	IBRE	TRD 530251N 084846E	268	25/62.5	25/100	100	Assigned		
		VOR/DME		117.450	121Y	BMN	530247N 084538E		60/500	60/500	500	Operational		
	BRUNKENDORF	VOR/DME		117.700	124X	BKD	530204N 113246E		80/500	80/500	500	Operational		
	BUHEL	ILS/DME	21	110.350	40Y	IBUE	TRD @501054N	29	25/62.5	25/100	100	Operational		MIL
		TAC			118X		BUE							
	BUCKEBURG CHARLIE/FRANK	ILS	26	111.550		IBBW	TRD 521635N 090400E	78	25/62.5		62	Operational		MIL
		DME			100Y		CHA							
	COCHSTEDT	DME			80Y	COD	Alt=156			60/250	250	Operational		
							515114N 112524E			25/100	100	Operational		
		ILS	25	108.750		ICOW	TRD 515109N 112335E	77	25/62.5		62	Operational		
	COLA/KOLN COLEMAN	VOR/DME		108.800	25X	COL	515122N 112554E		60/250	60/250	259	Operational		
	BARRACKS	VOR		109.000		HDM	@504701N 073539E							
	DIEPHOLZ	ILS	26	109.100		IDIW	Alt=282		60/250	60/250	259	Operational		
	DINKELBUHL	VOR/TAC		117.800	125X	DKB	493400N 082800E		25/100		100	Operational		MIL (US)
							523500N 082000E		25/62.5		62	Operational		MIL
						490834N 101418E		60/500	60/500	500	Operational			
DORTMUND	ILS	06	109.150		IDWE	TRD 513130N 073751E	241	25/62.5		62	Operational			
	ILS/DME	24	111.300	50X	IDWW	TRD @513048N	61	25/62.5	25/100	100	Operational	operational in 2016,		
	VOR/DME		108.650	23Y	DOR	073553E 513118N		25/150	25/150	150	Operational			
						073706E Alt=133								
DRESDEN	ILS	04	110.500		IDRE	513131N 073752E	221	25/62.5		62	Operational			
						TRD 510846N 134703E								
						510739N 134522E								

D	DRESDEN	ILS/DME	22	109.750	34Y	IDRW	TRD 510721N 134507E	41	25/62.5	25/100	100	Operational													
		VOR/DME		114.350	90Y		DRN							510827N 134629E	510056N 133556E										
	DRESDEN-WAX	DME			101X	DND	510746N 134527E			25/100	100	Operational													
	DUESSELDORF	DME			126X	DID	511701N 064517E			40/250	250	Assigned		[TEMP][311224]											
		ILS/DME	05L	110.950	46Y		IDNE	TRD 511802N 064703E	511718N 064516E						Alt=36	25/62.5	25/100	100	Operational						
	ERFURT	VOR/DME DME	05R	110.150	38Y	IDSE	TRD 511752N 064724E			25/62.5	25/100	100		Operational											
			23L	109.900	36X		IDSW	511702N 064528E	Alt=42,37,36						233										
			23R	109.300	30X			IDNW	TRD @511640N						064454E 511737N	064637E 511737N	064638E Alt=38	53	25/62.5	25/100	101	Operational	Directional DME TRD		
				115.150	98Y		DUS		TRD @511655N						064442E 511746N	064613E	53	25/62.5	25/100	100	Operational				
	ERLANGEN	VOR/DME VOR/DME	10	109.100	28X	IERE	TRD 505841N 105846E	505855N 105637E	Alt=313	25/62.5	25/100	100		Operational											
															27	109.900	36X	IERW	105608E 505849N	105812E Alt=308	97	25/62.5	25/100	100	Operational
																113.850	85Y		ERF	505703N 111412E			40/250	40/250	250
	ESSEN	GBAS	114.900	96X	ERL	493920N 110903E	512423N 065619E	Alt=85	23/100	100	Operational	Testing Facility SLC													
	MUELHEIM													112.450	TST										
	FINKENWERDER	ILS	05	110.700		IHFE	TRD 533237N 095110E	533146N 094933E	232	25/62.5		62		Operational											
	FRANKENSTEIN FRANKFURT/MAIN	ILS/DME	23	108.500	22X	IHFV	TRD 533127N 094842E	533211N 095027E	52	25/62.5	25/100	100		Operational											
		VOR/DME		117.500	122X		FKS	@494728N 083233E	Alt=91		60/500	60/500		500	Assigned										
		GBAS		116.425				EDDF	500136N 083115E	Alt=101		40/100			100	Operational	SLOTS: A-Z, RPDS & I								
				116.550			GLSF		500200N 083400E			40/100			100	Operational	SLOTS A-H RPDS/RSI								
		ILS/DME	25	109.750	34Y	IFWR	TRD 500210N 082935E	500245N 083143E	70	25/62.5	25/100	100		Operational											

D	FRANKFURT/MAIN	ILS/DME	07	110.300	40X	IFEL	TRD 500248N 083215E 500221N 083001E	250	25/62.5	25/100	100	Operational	
			07C	110.550	42Y	IFCE	TRD 500247N 083532E 500157N 083221E	250	25/62.5	25/100	100	Operational	GP 15NM
			07L	111.750	54Y	IFNE	TRD 500250N 083222E 500220N 083000E 500220N 083001E	250	25/62.5	25/100	100	Operational	GP 15NM
			07R	110.950	46Y	IFSE	TRD 500229N 083534E 500146N 083216E	250	25/62.5	25/100	100	Operational	
			25C	111.550	52Y	IFCW	TRD 500153N 083146E 500235N 083459E	70	25/62.5	25/100	100	Operational	GP 15NM
			25L	111.150	48Y	IFSW	TRD 500135N 083146E 500224N 083453E	70	25/62.5	25/100	100	Operational	
	FRANKFURT-FRED FRANKFURT-HAHN FRIEDLAND FRIEDRICHSHAFEN	VOR/TAC	25R	111.350	50Y	IFNW	TRD 500209N 082929E 500245N 083142E 500244N 083142E	70	25/62.5	25/100	100	Operational	GP 15NM
				114.200	89X	FFM	@500313N 083814E 500147N 083406E		100/500	100/500	500	Operational	
		DME			106X	FRD	Alt=134 495630N 071538E			25/100	100	Operational	
		DME			120Y	FHH	Alt=510			25/100	100	Operational	
		VOR/DME	117.150	118Y	FLD	534546N 133347E	60/500	60/500	500	Operational			
		DME			73X	FHD	474003N 093018E			25/100	100	Operational	
	FULDA	ILS	24	111.900		IFHW	TRD 473955N 092945E 474030N 093104E	60	25/62.5		62	Operational	
06			111.900		IFHE	TRD 474039N 093138E 474003N 093018E	240	25/62.5		62	Operational		
VOR/DME		112.100	58X	FUL	503533N 093420E		100/500	100/500	500	Operational			
VOR/DME TAC		113.300	80X 45X	FWE GED	522441N 140750E @502443N 091457E		60/500	60/500 80/500	500 500	Operational Operational			
GEILENKIRCHEN	ILS/DME TAC	27	110.100	38X	IGEW	TRD 505740N 060100E 505742N 060324E	91	25/62.5	25/100	100	Operational	MIL	
				108Y	GIX	505800N 060100E 511014N 075331E			80/500		500		Operational
GERMINGHAUSEN	VOR/DME		115.400	101X	GMH	511014N 075332E		60/500	60/500	500	Operational		
GOTEM	VOR/DME		115.250	99Y	GOT	512035N 113551E		60/500	60/500	500	Operational		

D	GRAFENWOHR	TAC			55X	GRF	494129N 115618E		40/250	250	Operational	MIL (US)
	HAHN	ILS	21	111.300		IHAW	TRD 495543N 071439E 495723N 071610E	32	25/62.5	62	Operational	
			03	109.300		IHAE	TRD 495745N 071639E 495611N 071459E Alt=479	212	25/62.5	62	Operational	
	HAMBURG/ALSTER	DME			105X	ALF	533807N 095939E		25/100	100	Operational	
	HAMBURG/HAMBURG	ILS	33	109.900		IHHN	TRD 533926N 095822E 534000N 095800E	153	25/62.5	62	Operational	
			05	110.500		IHHE	TRD 533819N 100017E 533716N 095820E	230	25/62.5	62	Operational	
		ILS/DME	15	109.550	32Y	IHHS	TRD 533724N 100008E 533905N 095833E Alt=18	333	25/62.5	25/100	100	Operational
			23	111.300	50X	IHHW	TRD 533657N 095732E 533807N 095939E 534108N 101218E	50	25/62.5	25/100	100	Assigned
	HAMM	VOR/DME		113.100	78X	HAM	Alt=43		60/500	60/500	500	Operational
	HANNOVER	VOR/DME		115.650	103Y	HMM	@515125N 074230E		60/500	60/500	500	Operational
		DME			116X	HBD	522719N 093933E			25/100	100	Operational
					86Y	HAD	522808N 094144E			25/100	100	Operational
	HANNOVER/HANNOVER	ILS	09L	108.300		IHNE	TRD 522800N 094225E 522811N 093927E	272	25/62.5	62	Operational	
			27R	108.900		IHNW	TRD 522806N 093843E 522807N 094144E	92	25/62.5	62	Operational	
		ILS/DME	09R	108.700	24X	IHSE	TRD 522714N 094257E 522714N 094054E	272	25/62.5	25/100	100	Operational
			27L	109.950	36Y	IHSW	TRD 522718N 094018E 522711N 094224E Alt=62,60	93	25/62.5	25/100	100	Assigned
	HEHLINGEN	VOR/DME		117.300	120X	HLZ	522148N 104743E 522148N 104744E		80/500	80/500	500	Operational
	HELGOLAND	VOR/DME		116.300	110X	DHE	@541108N 075439E Alt=2		200/500	200/500	500	Operational
	HERINGSBORF	ILS/DME	28	111.300	50X	IHEW	TRD 535256N 140751E 535232N 140948E 535241N 140904E	106	25/62.5	25/100	100	Operational

D	HERMSDORF HOHENFELS	VOR/DME		108.650	23Y	HDO	505541N 142208E								
		TAC			23X		HFL	Alt=431 491302N 114958E	60/500	80/500	500	Operational			
	HOHN	ILS	26	108.900		IMHW	TRD 541834N 093047E								
		TAC					100X	HNT	541845N 093307E 541839N 093219E	25/62.5	30/300	62 300	Operational Operational	MIL	
	HOLZDORF	ILS/DME	27	111.700	54X	IHDW	TRD 514608N 130834E								
		TAC			119Y		HOZ	514559N 131048E 514600N 131156E	25/62.5	25/100 90/500	100 500	Operational Operational	MIL MIL		
					79Y		TST	514600N 131200E		30/20	20	Operational	MIL, TRAINING + MAI		
	INGOLSTADT	ILS	24L	108.100		IIGW	TRD 484211N 113045E								
		TAC			51X		IGL	484243N 113309E @484305N 113411E	25/62.5	60/500	62 500	Operational Operational	MIL MIL		
	JAGEL	GBAS		116.550		ETNS	542700N 093000E	20/100		100	Operational	SLOTS A-H RPDS/RSI			
	KARLSRUHE KARLSRUHE/BA DEN	VOR/DME		115.950	106Y	KRH	485935N 083503E 485935N 083504E	60/500	60/500	500	Operational				
		DME			105X		KBD	484649N 080519E		40/250	250	Operational			
		ILS	21	108.750		IKBW	TRD 484558N 080405E								
							IKBE	484714N 080509E 484622N 080421E	25/62.5		62	Operational			
			03	109.950			TRD 484734N 080535E								
		ILS/DME	21	109.100	28X	IKBW	484649N 080441E	25/62.5	25/100	100	Assigned	will replace 3D4213			
					03		IKBE	TRD @484734N 080535E 484622N 080421E	25/62.5	25/100	100	Assigned	will replace 3D5052		
	KASSEL-CALDEN	DME			52X	DKS	512516N 092419E		25/100	100	Operational				
		ILS	27	109.300		IKSW	TRD 512519N 092212E								
							IKSE	512516N 092419E	25/62.5		62	Operational			
	KATTERBACH		09	108.100		KTB	TRD 512511N 092452E								
		TAC					31X	512521N 092247E 491844N 103853E @474445N 102059E	25/62.5	25/450	62 450	Operational Operational	MIL		
	KEMPTEN	VOR/DME		108.400	21X	KPT	Alt=754	80/500	80/500	500	Operational				
	KIEL/HOLTENAU	DME			32X	KHD	542244N 100843E		25/100	100	Operational				

D	KIEL/HOLTENAU	ILS	26	109.500		IKHW	TRD 542243N 100800E 542243N 100900E	82	25/62.5		62	Operational	
			08	109.500		IKHE	TRD 542245N 100858E 542240N 100829E	262	25/62.5		62	Operational	
	KITZINGEN	VOR		111.400		KTG	494500N 101300E		25/100		100	Operational	MIL
	KLASDORF	VOR/DME		115.150	98Y	KLF	520110N 133348E		60/500	60/500	500	Operational	
	KOLN/KOLN-BONN	ILS/DME	24	109.100	28X	IKOW	TRD @505132N 070712E 505201N 070906E Alt=82	64	25/62.5	25/100	100	Operational	
			14L	110.900	46X	IKES	TRD @505110N 071009E 505246N 070802E	318	25/62.5	25/100	100	Operational	
	KOLN-BONN	ILS/DME VOR/DME	32R	111.100	48X	IKEN	TRD 505304N 070724E 505132N 070950E Alt=90	138	25/62.5	25/100	103	Assigned	
				112.150	58Y	KBO	505142N 070844E		25/200	40/200	200	Assigned	
	LAAGE	ILS	27	108.300		ILAW	TRD 535514N 121452E 535456N 121740E	98	25/62.5		62	Operational	
			09	108.550		ILAE	TRD 535456N 121844E 535505N 121553E	278	25/62.5		62	Operational	
		TAC			19Y	LAG	535512N 121711E			80/500	500	Operational	MIL
	LAHR	DME			79Y	TST	535500N 121600E			30/20	20	Operational	MIL, TRAINING + MAI
					17Y	LRD	482151N 074939E			25/100	100	Operational	AD2 EDTL 1-6
		ILS	21	109.700		ILRW	TRD 482120N 074900E 482241N 075012E	28	25/62.5		62	Operational	AD 2 EDTL 1-6
	LAUPHEIM	ILS/DME	27	111.300	50X	ILAU	TRD 481314N 095353E 481310N 095448E 481310N 095450E 481317N 095433E	93	25/62.5	25/100	100	Operational	MIL
		TAC			19Y	LAU	Alt=538			30/100	100	Operational	MIL
	LECHFELD	TAC			25X	LCH	481126N 105132E			40/300	300	Operational	MIL
					79Y	TST	480900N 105100E			30/20	20	Operational	MIL, TRAINING + MAI
	LEINE	VOR/DME		115.200	99X	DLE	@521501N 095301E		80/500	80/500	500	Operational	
	LEIPZIG	ILS	08R	111.750		ILSR	TRD 512452N 121551E 512447N 121231E	266	25/62.5		62	Assigned	GP 15 NM
			26L	110.300		ILSL	TRD 512440N 121148E 512453N 121503E	86	25/62.5		62	Assigned	GP 15 NM
	ILS/DME	08L	108.550	22Y	ILNE	TRD @512602N 121622E 512558N 121314E Alt=135	266	25/62.5	25/100	100	Operational		

D	LEIPZIG	ILS/DME	26R	111.300	50X	ILNW	TRD @512552N 121238E 512605N 121543E Alt=135	86	25/62.5	25/100	100	Operational	
		VOR/DME		115.850	105Y		LEG		512610N 122825E 512610N 122824E	100/500	100/500	500	Operational
	LEIPZIG/SCHKE UDITZ	DME		58Y	82X	LLD	512454N 121349E			25/100	100	Operational	
				LND			512604N 121333E			25/100	100	Operational	
	LOWENBERG	VOR/DME		114.550	92Y	LWB	525436N 130805E 525437N 130804E		80/500	80/500	500	Operational	
	LUBECK	ILS	25	111.700		ILUW	TRD 534805N 104157E 534829N 104337E	72	25/62.5		62	Operational	
	LUBURG/STUTTG ART MAGDEBURG MAISACH MANCHING MANNHEIM	ILS/DME	07	109.350	30Y	ILUE	TRD 534830N 104406E 534816N 104229E 534823N 104307E	252	25/62.5	25/100	100	Operational	
		VOR/DME		109.200	29X	LBU	@485447N 092025E		60/500	60/500	500	Operational	
		VOR/DME		110.450	41Y	MAG	515942N 114740E		80/500	80/500	500	Operational	
		VOR/DME		115.200	99X	MAH	481548N 111843E		60/500	60/500	500	Operational	
		GBAS		116.550		ETSI	484300N 113200E		20/100		100	Operational	SLOTS A-H RPDS/RSI
		DME			82Y	MND	492814N 083058E			25/100	100	Operational	
	METRO MONCHENGLAD BACH	ILS	27	108.550		IMAW	TRD 492824N 083018E 492800N 083000E	93	25/62.5		62	Operational	
		VOR		110.000		MTR	501635N 085055E		60/250		250	Operational	
		DME			72X	MHD	511406N 062931E			25/100	100	Operational	
	MUNCHEN	ILS	13	108.950		IMGE	TRD 511331N 063052E 511400N 063005E	309	25/62.5		62	Operational	
		VOR DME	31	110.550		IMGW	TRD 511408N 062938E 511346N 063033E	129	25/62.5		62	Operational	
				109.800		MHV	511414N 062925E		40/150		150	Operational	
					107X	DMN	482201N 114738E			25/100	100	Operational	
					97X	DMS	482026N 114641E			25/100	100	Operational	
GBAS			114.250		EDDM	482031N 114804E Alt=451		46/100		115	Operational	SLOTS A-H; RSDS/RF	
ILS/DME		08L	109.500	32X	IMNE	TRD 482203N 114943E 482153N 114619E	263	25/62.5	25/100	100	Operational		
		08R	109.300	30X	IMSE	TRD 482045N 114905E 482022N 114521E	263	25/62.5	25/100	100	Operational		

D	MUNCHEN	ILS/DME	26L	108.300	20X	IMSW	TRD 482023N 114415E 482034N 114802E	83	25/62.5	25/100	100	Operational	GP 15NM	
	MUNSTER/OSNA BRUCK	DME	26R	108.700	24X	IMNW	TRD 482142N 114515E 482205N 114859E	83	25/62.5	25/100	100	Operational	GP 15NM	
			87Y			MOD	520817N 074114E			25/100	100	Operational		
			25	110.100	38X	IMOW	TRD 520750N 073954E 520815N 074131E	71	25/62.5	25/100	100	Operational		
	NAUHEIM NEUBRANDENBU RG	VOR TAC	07	111.750	54Y	IMOEO	TRD 520818N 074208E 520801N 074026E 495743N 082816E	251	25/62.5	25/100	100	Operational		
				113.750		VFM	Alt=89		01-10-1970			70	Operational	
			17Y			NEG	533600N 131900E TRD @484240N 111127E 484243N			50/300	300	Operational	MIL	
	NEUBURG	ILS/DME TAC	27	109.350	30Y	INEU	111327E Alt=380	90	25/62.5	25/100	100	Operational	MIL	
					26X	NEU	484245N 111239E			40/250	250	Operational	MIL	
	NIEDERRHEIN	ILS TAC	27	110.700	102X	INIW	TRD 513611N 060706E 513612N 060920E	92	25/62.5		62	Operational		
						NID	513600N 060829E			40/200	200	Operational	MIL (US)	
	NIEDERSTETTEN	DME			24X	NDD	492336N 095739E			25/100	100	Operational	MIL	
	NIENBURG	ILS VOR VOR/DME	25	108.900 116.500 109.250	29Y	INSW	TRD 492323N 095649E 492337N 095739E	75	25/62.5		62	Operational	MIL	
						NIE	523733N 092219E		40/250	250	Operational			
						NIE	523733N 092219E		60/500	500	Assigned			
	NOERDLINGEN	VOR/DME		117.550	122Y	NDG	485000N 102500E		60/500	60/500	500	Operational		
	NORDHOLZ	ILS ILS/DME TAC	26 08	111.750 108.550	22Y 118X	INOW	TRD 534553N 083801E 534606N 084023E	78	25/62.5		62	Operational		
						INOO NDO	TRD @534613N 084051E 534601N 083840E Alt=18 @534608N 083913E 505008N 064010E	258	25/62.5	25/101 180/500	102 500	Operational Operational	MIL MIL	
	NORVENICH	DME ILS TAC		109.700	35Y	WNN	Alt=100			40/200	200	Operational	MIL	
					24	79Y	IWNN TST	TRD 504932N 063813E 505008N 064010E Alt=120,100 505000N 064100E	67	25/62.5	40/20	62 20	Operational Operational	MIL MIL, TRAINING + MAI

D	NORVENICH	VOR/TAC		116.200	109X	NVO	504922N 063812E		60/500	80/500	500	Operational		
	NURNBERG													
	BALOC	ILS	28	111.750		INUY	TRD 493004N 110310E	99	25/62.5		62	Operational	LLZ ONLY, no GP	
	NURNBERG/NURNBERG	DME			78X	NGD	493004N 110449E			25/100	100	Operational		
		ILS/DME	10	109.550	32Y	INUE	TRD @492947N 110607E 493006N 110353E	279	25/62.5	25/62		62	Operational	
			28	109.100	28X	INUW	110315E 492956N 110529E	99	25/62.5	25/62		62	Operational	DME added
		VOR/DME		115.750	104Y	NUB	493011N 110205E		50/500	50/500		500	Operational	
							TRD 480417N 111610E 480511N 111730E							
	OBERPFAFFENHOFEN	ILS/DME	22	110.500	42X	IOBI	480450N 111707E	42	25/62.5	25/100		100	Operational	
	OSNABRUCK	TAC			20Y	OSB	521200N 081708E			50/300		300	Operational	MIL
		VOR		114.300		OSN	@521200N 081708E		80/500			500	Operational	
	PADERBORN/LIPSTADT	DME			22X	PAD	513637N 083707E			25/100		100	Operational	
		ILS/DME	24	108.550	22Y	IPLW	TRD 513623N 083551E 513709N 083731E	57	25/62.5	25/100		100	Operational	
			06	111.150	48Y	IPLW	TRD 513716N 083802E 513640N 083621E	237	25/62.5	25/100		100	Operational	
	RAMSTEIN	ILS	27	110.500		IRAW	492700N 073500E		25/62.5			62	Operational	
				110.750		IRWR	TRD 492608N 073412E 492619N 073644E	86	25/62.5			62	Operational	
			08	108.950		IRER	TRD 492613N 073741E 492555N 073501E	262	25/62.5			62	Operational	MIL (US)
			09	111.500		IRAE	492600N 073700E		25/62.5			62	Operational	
						IREL	TRD 492617N 073730E 492614N 073448E	266	25/62.5			62	Operational	MIL (US)
		ILS/DME	26	110.500	42X	IRWL	TRD 492555N 073424E 492606N 073706E	82	25/62.5	25/100		100	Operational	MIL (US)
	TAC			20Y	RST	492604N 073541E 492616N 073605E			25/100		100	Operational	MIL	
				56Y	TSTB	Alt=230			40/250		250	Assigned	MIL (US)	
				79Y	TST	492600N 073500E			30/20		20	Operational	MIL (US), TRAINING +	
				81X	RMS	492605N 073508E 492616N 073605E			80/500		500	Operational	MIL (US)	
				99Y	TSTC	Alt=230			40/250		250	Assigned	MIL (US)	

D	RHEINE/BENTLA GE	TAC		27X		RBT	521700N 072300E @494654N 083229E		65/500	500	Operational	MIL		
	RIED RODING	VOR/DME VOR/DME		112.200 114.700	59X 94X	RID RDG	494654N 083230E @490225N 123136E	60/250 80/500	60/250 80/500	250 500	Operational Operational			
	SAARBRUCKEN	DME			114Y	SAD	491245N 070658E		25/100	100	Operational			
	SARSTEDT SCHLESWIG SCHWABISCH/H ALL	ILS/DME	27	111.100	48X		DSB	TRD 491251N 070542E 491249N 070704E	87	25/62.5	25/100	100	Operational	
		VOR/DME		114.450	91Y		SAS	@521503N 095303E		80/500	80/500	500	Operational	
		TAC			55X		SWG	542749N 093100E			80/500	500	Operational	MIL
	SIEGERLAND	DME			17Y		SHD	490659N 094641E		25/100	100	Operational		
		ILS DME	28	111.500		17Y	ISWH SLD	TRD 490710N 094618E 490700N 094717E 504224N 080443E	99	25/62.5		62 100	Operational Operational	
	SPANGDAHLEM	ILS	31	108.900			ISIW	TRD 504248N 080418E 504215N 080513E	128	25/62.5		62	Operational	
		DME			56X		ISPA	495905N 064233E		35/100	100	Operational	MIL (US)	
	STUTTGART	ILS	23	108.100			ISPA	TRD 495753N 064050E 495905N 064233E	45	25/62.5		62	Operational	MIL (US)
		TAC	04	109.150	32X 79Y		ISPE SPA	TRD 495919N 064301E 495808N 064106E 495844N 064152E	225	25/62.5		62 300	Operational Operational	MIL (US) MIL (US)
		DME			101Y 79X		TST SGD TST	495900N 064200E 484117N 091327E 485000N 090900E			30/20 25/100 200/500	20 100 500	Operational Operational Operational	MIL (US), TRAINING + GND TST
	SULZ	ILS/DME	25	109.900	36X		ISTW	TRD 484101N 091118E 484132N 091427E	74	25/62.5	25/100	100	Operational	
		VOR/DME VOR	07	109.500 116.850 116.100	32X 115Y		ISTE STG SUL	TRD 484141N 091452E 484111N 091236E 484147N 091524E 482254N 083841E	254	25/62.5 60/250 60/250	25/100 60/250	100 250 250	Operational Operational Operational	DVOR
		VOR/DME VOR/DME		113.350 108.450	80Y 21Y		TAU TRT	501502N 080945E Alt=397 543040N 131456E @483446N 110746E		60/250 100/500	60/250 100/500	250 500	Operational Assigned	
	WALDA WARBURG WESER	VOR/DME VOR/DME DME		112.800 113.700	75X 84X 18Y		WLD WRB WSD	483446N 110745E 513020N 090639E 532051N 085231E		80/500 80/500 60/500	80/500 80/500	500 500 500	Operational Operational Operational	

D	WESTERLAND	ILS/DME	32	111.500	52X	IWES	TRD 545515N 081952E 545424N 082104E 545438N 082023E	144	25/62.5	25/100	100	Operational		
	WIESBADEN	ILS/DME	25	108.500	22X	ITOU	TRD 500249N 081835E 500303N 082009E 500251N 081834E	73	25/62.5	25/100	100	Operational	MIL (US)	
		TAC			88X	WIB	500246N 081839E			40/250	250	Operational	MIL (US)	
	WIPPER	VOR		109.600		WYP	@510254N 071648E		40/250		250	Operational		
							TRD @533242N 073838E 533256N							
	WITTMUND	ILS/DME	26	109.950	36Y	INTW	074058E Alt=5,7	78	25/62.5	25/100	100	Operational		
	WITTMUNDHAFEN	TAC			82X	WTM	533316N 074330E			60/500	500	Operational	MIL	
	WUNSTORF	GBAS		112.550		TST	522759N 092540E		20/100		100	Operational	SLOTS A-H RPDS/RSI	
		ILS/DME	26	109.700	34X	IWUW	TRD 522721N 092437E 522727N 092629E	82	25/62.5	25/100	100	Operational	MIL	
		TAC	08	110.550	42Y 79Y 95Y	IWUE TST WUN	TRD 522734N 092704E 522728N 092514E 522800N 092600E 522717N 092546E	262	25/62.5	25/100 40/20 80/500	100 20 500	Operational Operational Operational	MIL MIL, TRAINING + MAI MIL	
DNK	ZWEIBRUCKEN	VOR/DME		114.800	95X	ZWN	491345N 072504E		60/500	60/500	500	Operational		
	AALBORG	VOR/TAC		116.700	114X	AAL	570614N 095944E		100/500	100/500	500	Operational		
	AALBORG/AALBORG	ILS/DME	08L	109.900	36X	AE	TRD 570549N 095301E 570542N 095013E 570542N 095014E	263	25/62.5	25/100	100	Operational		
			26R	111.550	52Y	YT	TRD 570536N 094939E 570550N 095217E	83	25/62.5	25/100	100	Assigned		
	AARHUS	ILS/DME	10R	111.900	56X	AAR	TRD 561802N 103851E 561814N 103604E	280	25/62.5	25/100	100	Operational		
			28L	111.100	48X	TR	TRD 561822N 103526E 561801N 103811E	100	25/62.5	25/100	100	Operational		
	ALL DENMARK	DME			122Y	MOB	ALL DENMARK(LAND)			80/500	500	Operational	MOBILE	
		TAC			112Y		ALL DENMARK(LAND)			40/250	250	Assigned	MIL	
					26Y		ALL DENMARK(LAND)			40/250	250	Assigned		
					34X		ALL DENMARK(LAND)			40/250	250	Operational	MIL - NOT USABLE E/F	

DNK	ALL DENMARK ALSIE	TAC VOR			54X		ALL DENMARK(LAND) @545419N 095936E		40/250	250	Operational	MIL- NOT USABLE IN	
				114.700		ALS		80/500		500	Operational		
	BILLUND	ILS	09	110.300 111.700		BIL BIL	TRD 554400N 091100E 554400N 091100E	91		25/62.5 25/62.5	62 62	Operational Operational	
		ILS/DME	27	110.700	44X	LEL	TRD 554422N 090742E 554423N 091027E	87	25/62.5	25/100	100	Operational	
			09	109.750	34Y	BIL	TRD 554429N 091109E 554429N 090821E	267	25/62.5	25/100	100	Operational	
				110.300	40X	BIL	TRD 554400N 091100E	9	25/62.5	25/100	100	Operational	
	BORNHOLM/ROE NNE	ILS/DME	11	109.350	30Y	IAR	TRD 550329N 144647E 550353N 144457E	294	25/62.5	25/100	100	Operational	RWY HDG 113.7 GEC
			29	110.300 114.900	40X 96X	IRE CDA	TRD 550406N 144421E 550342N 144613E 550342N 144612E 550005N 122245E 553121N 083331E	114	25/62.5 60/500	25/100 60/500	100 500	Operational Operational	TVOR
	ESBJERG	DME			113X	ESE	Alt=26			180/500	500	Operational	
		ILS/DME	26	110.150	38Y	ES	TRD 553124N 083138E 553143N 083406E	80	25/62.5	25/100	100	Operational	
			08	109.100	28X	OO	TRD 553142N 083436E 553124N 083218E	260	25/62.5	25/100	100	Operational	
	FAROE ISLANDS/VAGAR	ILS/DME	12	109.100	28X	SF	TRD 620407N 071650W 620400N 071700W 620406N 071650W	298	25/62.5	25/100	100	Operational	LLZ ONLY
			30	110.300	40X	MF	TRD 620404N 071737W 620334N 071554W	118	25/62.5	25/100	100	Operational	LLZ ONLY
	GREENLAND/NU UK	ILS/DME	22	108.950	26Y	INK	TRD 641048N 514113W Alt=93	44	25/62.5	25/100	100	Operational	LLZ+DME
	KARUP	ILS/DME	09R	108.300	20X	KAP	TRD 561751N 090745E 561745N 090452E	269	25/62.5	25/100	100	Operational	
			27L	108.150	18Y	KR	TRD 561750N 090416E 561747N 090715E	89	25/62.5	25/100	100	Operational	
	KASTRUP	TAC VOR/DME			37X 72X	KAR KAS	561748N 090031E 553526N 123649E			200/500 60/500	500 500	Operational Operational	

DNK	KOBENHAVN/KA STRUP	ILS/DME	12	109.900	36X	KA	TRD 553635N 124042E 553718N 123830E	303	25/62.5	25/100	100	Operational	
			30	108.900	26X	OY	TRD 553740N 123745E 553651N 123943E	123	25/62.5	25/100	100	Operational	
			04L	110.500	42X	CH	TRD 553705N 123837E 553536N 123630E	221	25/62.5	25/100	100	Operational	
			04R	109.300	30X	NE	TRD 553741N 124018E 553616N 123816E 553617N 123816E	221	25/62.5	25/100	100	Operational	ELEV SITE 17FT
			22L	109.500	32X	OXS	TRD 553603N 123747E 553720N 123958E 553721N 123957E	41	25/62.5	25/100	100	Operational	
	22R	110.900	46X	KLK	TRD 553523N 123600E 553635N 123801E	41	25/62.5	25/100	100	Operational			
	KOBENHAVN/RO SKILDE	ILS/DME	11	111.500	52X	KV	TRD 553455N 120839E 553516N 120709E	296	25/62.5	25/100	100	Operational	
			21	108.700	24X	SN	TRD 553432N 120715E 553513N 120807E	31	25/62.5	25/100	100	Operational	ELEV SITE 146 FT
	KOLDING/VAMD RUP KORSA	DME			37Y	VAM	552617N 092006E			60/195	195	Operational	P-RNAV
		VOR/DME		112.800	75X	KOR	552622N 113754E		80/500	80/500	500	Operational	
ODENSE ODIN RAMME ROENNE/REONN E	ILS/DME	24	108.350	20Y	OD	TRD 552811N 101835E 552846N 102007E	60	25/62.5	25/100	100	Operational		
			115.500	102X	ODN	@553452N 103911E		80/500	80/250	500	Operational	.	
	VOR/DME		111.850	55Y	RAM	@562842N 081115E		150/500	150/500	500	Operational	TVOR	
	VOR/TAC		112.000	57X	ROE	@550356N 144531E 550343N 144521E		150/500	150/500	500	Operational		
SINDAL/SINDAL SKRYDSTRUP	ILS/DME	26	110.150	38Y	SDL	TRD 573011N 101301E 573009N 101405E	86	25/62.5	25/100	100	Operational		
			110.400	41X	SKR	551344N 091251E		80/500	80/500	500	Operational		
SONDERBORG/S ONDERB STAUNING/STAU NING	ILS/DME	32	111.150	48Y	CIM	TRD 545812N 094700E 545729N 094755E	139	25/62.5	25/100	100	Operational		
			DME		100Y	LME	555934N 082116E			60/195	195	Operational	P-RNAV
	ILS	27	110.100		SVJ	TRD 555926N 082018E 555900N 082000E	92	25/62.5		62	Operational	ONLY LLZ	

DNK	STAUNING/STAU													
	NING	ILS/DME	27	110.100	38X	SVJ	TRD 555900N 082000E	272	25/62.5	25/100	100	Assigned		
	TRANO	VOR/DME		117.400	121X	TNO	554627N 112621E		60/500	60/500	500	Operational		
	VAERLOSE	DME			93Y	BEL	554728N 120545E			60/195	195	Operational	P-RNAV	
	VESTA	VOR/DME		116.600	113X	VES	@553600N 081800E		200/500	200/500	500	Operational		
	VOJENS/SKRYDS						TRD 551300N 091740E							
	TRUP	ILS/DME	10L	109.350	30Y	ISPA	551330N 091457E	285	25/62.5	25/100	100	Operational	ELEV SITE 141 FT	
			28R	109.350	30Y		TRD 551332N 091414E							
E	AGONCILLO	VOR/DME		115.450	101Y	SRY	551309N 091711E	105	25/62.5	25/100	100	Operational		
						LPA	422738N 021937W		60/500	60/500	500	Operational	DVOR	
	ALBACETE	ILS/DME	27	109.700	34X	IAE	TRD 385652N 015302W 385652N 015104W	88	25/62.5	25/100	100	Operational		
			09	110.700	44X	IABT	015231W	268	25/62.5	25/100	100	Operational		
		TAC			17X	TAB	385645N 015149W			200/600	600	Operational		
		VOR/DME		115.800	105X	VAB	385650N 015134W		100/250	200/500	500	Assigned	TVOR	
	ALCANTARILLA	TAC			113X	TRL	375701N 011348W			40/250	250	Operational		
	ALICANTE	VOR/DME		113.800	85X	ALT	@381606N 003412W		120/500	120/500	500	Operational		
				114.650	93Y	ATE	381710N 003512W		40/250	40/250	250	Operational		
							TRD 381646N 003216W 381658N							
	ALICANTE/ALICA	ILS/DME	10	110.300	40X	IAT	003417W	280	25/62.5	25/100	100	Operational		
	ALL SPAIN	TAC			112Y		ALL SPAIN(LAND)			40/250	250	Operational	MIL	
					26Y		ALL SPAIN(LAND)			40/250	250	Operational	MIL	
					34X		ALL SPAIN(LAND)			40/250	250	Operational		
					54X		ALL SPAIN(LAND)			40/250	250	Operational	MIL	
	ALMERIA	VOR/DME		116.100	108X		ALL SPAIN(LAND)		60/250	60/250	250	Operational	MOBILE EQUIPMENT	
		VOR/DME		114.100	88X	AMR	364959N 021534W		60/250	60/250	250	Operational		
							TRD 365021N 022324W 365047N 022124W 365046N							
	ALMERIA/ALMER	ILS/DME	25	109.900	36X	IAM	022124W	73	25/62.5	25/100	100	Operational		
	ANDRAITX	VOR/DME		117.400	121X	DRA	393200N 022400E		150/500	150/500	500	Operational	Future requirement	
	AVILES/ASTURIA						TRD 433401N 060258W 433344N							
	S	ILS/DME	29	110.100	38X	AVS	060129W	108	25/62.5	25/100	100	Operational		
							@433325N 060026W							
	BADAJOS	VOR/DME		112.400	71X	VES	433326N 060026W		200/500	200/500	500	Operational		
		TAC			25X	TBC	385330N 064907W			200/600	600	Operational		

E	BADAJOS/TALAV						TRD 385401N 065015W 385310N											
	ERA	ILS/DME	31	110.500	42X	ITL	064836W	126	25/62.5	25/100	100	Operational						
	BAGUR	VOR/DME		112.200	59X	BGR	415652N 031233E		100/500	100/500	500	Assigned						
	BAILEN	VOR/DME		116.200	109X	BLN	380909N 033730W		100/500	100/500	500	Operational						
	BARAHONA	VOR/DME		112.800	75X	BAN	411925N 023748W		60/500	60/500	500	Assigned						
	BARCELONA	ILS/DME	02	108.750	24Y	BLT	TRD 411840N 020544E 411725N 020506E	199	25/62.5	25/100	100	Operational						
			07L	110.300	40X	QAA	TRD 411825N 020626E 411748N 020430E	246	25/62.5	25/100	100	Operational						
			07R	110.750	44Y	BLE	TRD 411735N 020619E 411657N 020441E 411657N 020442E	246	25/62.5	25/100	100	Operational						
			25L	111.500	52X	BLW	TRD 411654N 020420E 411724N 020602E	66	25/62.5	25/100	100	Operational						
			25R	109.500	32X	BCA	TRD 411732N 020351E 411820N 020559E @411659N 020455E	66	25/62.5	25/100	100	Operational						
		VOR/DME		114.300	90X	PRA	411659N 020454E		200/500	200/500	500	Operational						
	BARDENAS	TAC		116.700	114X 23X	BCN TBR	411826N 020629E 421149N 012833W TRD 431744N 025342W 431815N 025521W 431816N		60/500	60/500 40/250	500 250	Operational Operational	DVOR MIL					
	BILBAO	ILS/DME	12	111.550	52Y	IBO	TRD 431827N 025542W 431753N 025520W	297	25/62.5	25/100	100	Operational						
			30	110.300	40X	IBL	025420W	117	25/62.5	25/100	100	Operational						
		VOR/DME		115.900	106X	BLV	@431816N 025609W		150/500	150/500	500	Assigned						
				117.650	123Y	BLV	@431815N 025532W		200/500	200/500	500	Operational	Future requirement					
	CACERES	VOR/DME		114.200	89X	CCS	393128N 062605W		115/500	115/500	500	Operational						
	CALAMOCHA	VOR/DME		116.000	107X	CMA	405202N 011753W 413824N 023805E		60/500	60/500	500	Assigned						
	CALELLA	VOR/DME		115.350	100Y	CLE	413824N 023804E		60/500	60/500	500	Operational	DVOR					
CALLES	VOR/DME		117.550	122Y	CLS	394226N 005911W		100/500	100/500	500	Operational							
CAPDEPERA	VOR/DME		112.900	76X	CDP	@394151N 032603E		200/500	200/500	500	Operational							
CASTEJON	VOR/DME		115.600	103X	CJN	402219N 023241W		100/500	100/500	500	Assigned	DVOR						
CASTELLON	ILS/DME	06	111.950	56Y	ICN	TRD 401320N 000523E 401235N 000345E Alt=339	237	25/62.5	25/100	100	Operational							
	VOR/DME		117.050	117Y	CTN	401308N 000521E		40/250	40/250	250	Operational							

E	CEUTA	DME			124Y	CEU	355333N 051819W		60/500	500	Operational	
	CIUDAD REAL	ILS/DME VOR/DME	10	111.100 114.300	48X 90X	ICR	385100N 035800W	25/62.5	25/100	100	Operational	Future requirement
	COLMENAR VIEJO	VOR/DME		117.300	120X	ADQ	385100N 035800W 403846N 034409W		40/250	250	Operational	DVOR. Future require
	CORDOBA	VOR/DME		112.400	71X	CNR	403846N 034408W	100/500	100/500	500	Operational	
	DOMINGO	VOR/DME		112.600	73X	CDB	375045N 045042W	40/250	40/250	250	Operational	TVOR
	GERONA/COSTA BRAVA	ILS/DME VOR/DME	20	109.900 114.100	36X 88X	DGO	422712N 025250W	80/500	80/500	500	Assigned	DVOR
	GETAFE	ILS/DME VOR/TAC	05	110.900 112.050	46X 57Y	IGN	TRD 415332N 024526E 415442N 024548E	25/62.5	25/100	100	Operational	
	GRANADA	VOR/DME		113.400	81X	GIR	@415552N 024619E TRD 401813N 034241W 401716N	80/250	80/250	250	Assigned	
	GRANADA/ARMILLA	ILS/DME TAC	36	109.500	32X 78X	IGE	034348W	25/62.5	25/100	100	Operational	
	GRANADA/GRANADA	ILS/DME	09	109.300	30X	VGE	401723N 034334W 371059N 035927W	100/250	100/250	250	Operational	
	HINOJOSA DEL DUQUE	VOR/DME		114.700	94X	GDA	371100N 035927W TRD 370830N 033808W 370751N	150/250	150/250	250	Operational	
	HUESCA	VOR/DME		114.550	92Y	IGA	033804W	25/62.5	25/100	100	Operational	
	IBIZA	ILS/DME VOR/DME	06	111.100 117.800	48X 125X	TGR	370757N 033802W TRD 371120N 034530W 371123N 034723W 371123N	60/500	40/250	250	Operational	
	IBIZA/IBIZA	ILS/DME	24	109.500	32X	GRD	034724W	25/62.5	25/100	100	Operational	
	JEREZ	ILS/DME VOR/DME	20	108.900 113.000	26X 77X	HIJ	383029N 050559W	80/500	80/500	500	Operational	
	LA CORUNA/LA CORUN	ILS/DME VOR/DME	21	109.900 115.100	36X 98X	HUE	420424N 001908W	60/500	60/500	500	Operational	DVOR
	LEON	ILS/DME	23	109.500	32X	IBI	TRD 385248N 012326E 385202N 012145E	25/62.5	25/100	100	Operational	
						IBA	@385206N 012157E	150/500	150/500	500	Operational	
						IBZ	TRD 385157N 012121E 385235N 012306E	25/62.5	25/100	100	Operational	
						IJR	TRD 364357N 060358W 364504N 060320W 364504N	25/62.5	25/100	100	Operational	
						JRZ	060321W 364855N 060135W	40/250	40/250	250	Operational	DVOR
						LCO	TRD 431726N 082312W 431825N	25/62.5	25/100	100	Operational	
						LRA	082228W 432346N 081825W	40/250	40/250	250	Operational	
					ILE	TRD 423451N 054001W 423559N	25/62.5	25/100	100	Operational	AD 2 - LELN 5	

E	LEON	VOR/DME		112.000	57X	EON	423538N 053846W 423537N 053846W	60/500	60/500	500	Operational	DOPPLER
	LERIDA	ILS/DME VOR/DME	31	110.900 113.600	46X 83X	ILL LLE	TRD 414414N 003120E 414320N 003231E 414347N 003139E	25/62.5 40/250	25/100 40/250	100 250	Operational Operational	
	LOGRONO	ILS/DME	29	108.350	20Y	ILO	TRD 422751N 022003W 422732N 021837W Alt=354	25/62.5	25/100	100	Operational	
	MADRID/BARAJA S	ILS/DME	18L	111.500	52X	IML	TRD 402954N 033333W 403132N 033329W 403132N	25/62.5	25/100	100	Operational	
			18R	110.700	44X	IMR	TRD 402924N 033429W 403112N 033424W 403112N	25/62.5	25/100	100	Operational	
			32L	109.900	36X	MAA	TRD 402912N 033440W 402757N 033317W	25/62.5	25/100	100	Operational	
			32R	109.100	28X	MBB	TRD 402949N 033336W 402835N 033214W 402834N	25/62.5	25/100	100	Operational	
	MADRID/PERALE S	VOR/DME		116.450	111Y	BRA	402809N 033327W 402808N 033328W	60/250	200/500	500	Assigned	
	MADRID/SAN SEBASTIAN	VOR/DME		116.950	116Y	PDT	401511N 032053W 401510N 032052W	60/500	60/500	500	Operational	DVOR
	MADRID/TORREJ ON	VOR/DME		117.850	125Y	SSY	403247N 033431W	40/250	40/250	250	Operational	DVOR
		TAC			72X	TJZ	402956N 032644W		40/250	250	Operational	
		VOR/DME		115.100	98X	VTZ	402832N 032819W @410746N 000955E	40/250	40/250	250	Operational	TVOR
	MAELLA	VOR/DME		112.100	58X	MLA	410747N 000956E	100/500	100/500	500	Assigned	
	MAHON/MENOR CA	ILS/DME	19	111.500	52X	MAO	TRD 395059N 041258E 395209N 041308E	25/62.5	25/100	100	Operational	
			01	110.300	40X	IMH	TRD 395240N 041318E 395116N 041256E 395116N 041255E	25/62.5	25/100	100	Operational	
	MALAGA	VOR/DME GBAS		112.600 115.150	73X	MHN LEMG	@395149N 041259E 395149N 041258E 364113N 043045W	120/500 23/100	120/500	500 100	Operational Operational	DVOR
		ILS/DME	12	110.550	42Y	IMG	TRD 364039N 042832W 364126N 043015W	25/62.5	25/100	100	Operational	

E	MALAGA	ILS/DME	13	109.500	32X	GMM	TRD 363950N 042901W 364055N	312	25/62.5	25/100	100	Operational			
			31	109.900	36X		GAA							TRD 364109N 043052W 363959N 042921W @364852N 042210W	132
		VOR/DME		112.000	57X	MGA	364851N 042211W 364044N 043024W		120/500	120/500	500	Operational			
				113.550	82Y	MLG	364043N 043024W		60/500	60/500	500	Operational			
				117.150	118Y	AGP	364104N 042914W 370319N 045624W		120/500	120/500	500	Operational			
	MARTIN	VOR/DME		112.600	73X	MAR	370320N 045623W 351650N 025729W		100/500	100/500	500	Operational			
	MELILLA	VOR/DME		114.250	89Y	MEL	Alt=60		100/500	100/500	500	Operational		DVOR	
				117.400	121X	MLL	351827N 025719W TRD 370925N 053727W 371117N		80/250	80/250	250	Operational			
	MORON DE LA FRONTE	ILS/DME	20	109.700	34X	IMRF	053642W Alt=81	20	25/62.5	25/100	100	Operational		MIL.	
		VOR/DME		115.500	102X	MRN	371030N 053708W TRD 374730N 010822W 374835N		185/500	185/500	500	Operational			
	MURCIA/REGION	ILS/DME	23	111.750	54Y	IRM	010651W Alt=198	50	25/62.5	25/100	100	Operational			
		VOR/DME		114.850	95Y	MUR	374806N 010715W		40/250	40/250	250	Operational			
	NAVAS DEL REY	VOR/DME		114.950	96Y	NVS	402207N 041458W		200/500	200/500	500	Operational		DOPPLER	
	PALMA DE MALLORCA	ILS/DME	06L	110.900	46X	PLM	TRD 393350N 024447E 393259N 024248E	239	25/62.5	25/100	100	Operational			
			24L	109.300	30X	IPAL	TRD 393223N 024343E 393310N 024534E								59
			24R	109.900	36X 21X	PAA SSJ	TRD 393245N 024228E 393341N 024418E 393335N 024400E @392607N 024530E	59	25/62.5	25/100	200/600	100		Operational	
		TAC					600			Operational					
	PAMPLONA	VOR/DME		113.300	80X	MJV	392607N 024529E		200/500	200/500	500	Operational			
				117.700	124X	JOA	393353N 024448E		40/250	40/250	250	Operational			
		VOR/DME		112.300	70X	PPN	@424402N 014207W TRD 424532N 013818W 424640N 013901W 424640N		100/500	100/500	500	Assigned			
PAMPLONA/NOA IN	ILS/DME	15	109.700	34X	IPN	013902W	332	25/62.5	25/100	100	Operational	TVOR			
	VOR/DME		113.550	82Y	PAP	424118N 013939W 395539N 030652E		80/250	80/250	250	Operational				
POLLENSA	VOR/DME		116.400	111X	POS	395540N 030654E		60/250	60/250	250	Operational	DVOR			

E	SEVILLA/SEVILLA	ILS/DME	27	110.100	38X	ISV	TRD 372504N 055456W 372501N 055243W	90	25/62.5	25/100	100	Operational		
	SOMOSIERRA	VOR/DME		115.400	101X	SIE	410906N 033617W		60/500	60/500	500	Operational	DOPPLER	
	TABANERA	VOR/DME		116.750	114Y	NEA	410906N 033618W		100/500	100/500	500	Operational		
	TALAVERA LA REAL	VOR/DME		116.800	115X	VBZ	385324N 064857W		180/250	180/250	250	Operational		
	TOLEDO	VOR/DME		113.200	79X	TLD	395810N 042014W		60/500	60/500	500	Assigned		
	TORREJON	ILS/DME	22	109.500	32X	ITJA	TRD 402843N 032806W 403024N 032607W	43	25/62.5	25/100	100	Operational		
	VALENCIA	ILS/DME	12	111.500	52X	VLN	TRD 392855N 002745W 392938N 002949W 392939N 002948W	296	25/62.5	25/100	100	Operational		
				30	110.100	38X	IVC	TRD 392954N 003020W 392906N 002824W 392906N 002823W	116	25/62.5	25/100	100	Operational	
	VEJER DE LA FRONTE	VOR/DME		116.100	108X	VLC	392908N 002900W		60/500	200/500	500	Assigned		
		VOR/DME		117.800	125X	VJF	@361422N 055832W 361421N 055831W		100/500	100/500	500	Assigned		
	VIGO	ILS/DME	19	110.900	46X	VIG	TRD 421312N 083748W 421423N 083726W 421423N 083725W	11	25/62.5	25/100	100	Operational		
		VOR/DME		113.600	83X	VGO	421917N 083606W		40/250	40/250	250	Operational		
	VILAFRANCA	VOR/DME		113.150	78Y	VLA	412034N 013252E		60/500	60/500	500	Operational	DVOR	
	VILLAFRIA	VOR/DME		111.400	51X	BUR	412033N 013252E		60/500	60/500	500	Operational		
	VILLANUBLA	ILS/DME	23	109.300	30X	IVD	TRD 414143N 045201W 414247N 045027W 414248N	46	25/62.5	25/100	100	Operational		
		VOR/DME		113.650	83Y	NUB	414219N 045103W		100/250	100/250	250	Operational	MIL	
	VILLATOBAS	VOR/DME		112.700	74X	VTB	394651N 032750W		60/500	60/500	500	Assigned		
	VITORIA/VITORIA	ILS/DME	04	108.900	26X	VTO	TRD 425352N 024235W 425218N 024401W	216	25/62.5	25/100	100	Operational		
		VOR/DME		112.900	76X	VFD	425250N 024328W		60/500	60/500	500	Operational	DVOR	
				116.600	113X	VRA	424355N 025156W		40/250	40/250	250	Assigned	TVOR	
	YESTE	VOR/DME		115.200	99X	YES	382139N 022109W		60/500	60/500	500	Operational		

E	ZAMORA	VOR/DME		117.100	118X	ZMR	@413149N 053823W 413148N 053823W TRD 414017N 010242W 413921N 010047W 413921N		200/500	200/500	500	Assigned		
	ZARAGOZA/ZARA GOZA	ILS/DME TAC	30R	109.500	32X 64X 82X	IZZA ZZA TZZ	010044W 414038N 010331W 414009N 010147W	120	25/62.5	25/100 100/500 150/200	100 500 200	Operational Operational Operational		
		VOR/DME		113.000	77X	ZAR	413928N 010151W 591602N 241448E		40/250	40/250	250	Operational	TVOR	
EST	Ä,,MARI ALL ESTONIA	VOR/TAC TAC		115.300	100X 112Y 116X 26Y 34X 40Y 54X	AMI	Alt=9,15 ALL ESTONIA(LAND) ALL ESTONIA(LAND) ALL ESTONIA(LAND 250+LAND A-250) ALL ESTONIA(LAND B 250+LAND B) ALL ESTONIA(LAND) ALL ESTONIA(LAND) TRD @591517N 241038E 591555N		150/500	150/500 40/250 40/20 40/250 40/250 40/250 40/250	500 250 20 250 250 250 250	Operational Operational Operational Assigned Assigned Operational Operational	LAND MOBILE MOBILE - IMPL. 2004 LAND MOBILE LAND MOBILE LAND MOBILE	
	AMARI	ILS/DME	24	108.700	24X	IGO	241304E Alt=18,20	70	25/62.5	25/100	101	Operational		
				06	108.700	24X	IAM	TRD @591551N 241347E 591533N 241102E Alt=15,20,21 591602N 241448E	250	25/62.5	25/100	101	Operational	
	ASSAMALLA HARJU-KEIBU KAAREPERE	VOR/TAC DME DME DME		116.500	112X 82Y 39X 58Y	AMI ASM HAR KRP	Alt=13 591243N 261548E 591530N 234626E 583935N 263250E 585932N 224952E		80/500	80/500 160/500 160/500 160/500	500 500 500 500	Operational Operational Operational Operational	PRNAV PRNAV PRNAV	
	KARDLA	DME			123X	KRD	Alt=3 TRD @581319N 223035E 581418N			20/100	100	Operational		
	KURESSARE	ILS/DME	17	109.900	36X	IWA	223027E Alt=2,3 581342N 223055E	353	25/62.5	25/100	100	Operational		
	LAIMJALA	VOR/DME DME		112.400	71X 54Y	KRS LAI	Alt=3 582601N 230056E NATIONAL AERODROMES(LAND A- 250) 582500N 242758E		50/500	80/500 160/500	500 500	Operational Operational	PRNAV	
	NATIONAL AERODROMES	VOR/TAC		116.500	112X	AML	582500N 242758E		50/250	50/250	250	Assigned		
	PARNU SULTSI	VOR/DME DME		115.900	106X 31Y	PRN SLT	Alt=3 581525N 253713E TRD @592447N 245223E 592445N		30/500	30/500 160/500	500 500	Operational Operational	PRNAV	
	TALLINN	ILS/DME	08L	108.300	20X	IIB	244857E Alt=41,40	263	25/62.5	25/100	101	Operational		

EST	TALLINN	ILS/DME	26L	109.300	30X	ILK	TRD @592448N 244805E 592444N 245115E Alt=40	83	25/62.5	25/100	101	Operational	
	TARTU	ILS/DME	26	108.500	22X	IUM	TRD @581826N 263949E 581824N 264151E Alt=61	88	25/62.5	25/100	102	Operational	
F	ABBEVILLE	DME			21Y	ABB	500806N 015117E			60/500	500	Operational	
	AGEN/GAUDONVILLE	DME			95X	AGN	@435317N 005222E			120/500	500	Assigned	
	AGEN/LA GARENNE	ILS/DME	29	110.350	40Y	AG	TRD 441041N 003445E 441018N 003549E	112	25/62.5	23/100	100	Operational	
	AJACCIO/COTI CHIAVARI	VOR/DME		114.800	95X	AJO	@414614N 084629E 414612N 084628E		200/500	200/500	500	Operational	
	AJACCIO/N.BON APARTE	ILS/DME	02	110.300	40X	AC	TRD 415558N 084828E 415449N 084753E	205	25/62.5	25/100	100	Operational	
	ALBERT-BRAY	ILS/DME	27	108.750	24Y	ABY	TRD 495808N 024018E 495819N 024218E	85	25/62.5	25/250	250	Operational	
	ALL FRANCE	TAC			112Y		ALL FRANCE(LAND)			40/250	250	Operational	
					26Y	ALL FRANCE(LAND)	40/250	250	Operational				
					34X	ALL FRANCE(LAND)	40/250	250	Operational				
					54X	ALL FRANCE(LAND)	40/250	250	Operational				
					98X	ALL FRANCE(LAND)	40/250	250	Operational				
		VOR		111.850		KAE	ALL FRANCE(LAND)		70/500		500	Operational	#NAME?
		VOR/DME		115.050	97Y	LVM	ALL FRANCE(LAND)		100/500	100/500	500	Operational	
				117.200	119X		ALL FRANCE(LAND)		40/250	40/250	250	Operational	
	AMBERIEU	TAC			110X	AMU	@455900N 052000E			120/500	500	Operational	
					69X	TST	455900N 052000E			40/200	200	Operational	MAINT
					79Y	TST	455900N 052000E			40/200	200	Operational	MAINT
	AMBOISE	DME			84X	AMB	@472544N 010352E			120/500	500	Assigned	
	ANGERS-MARCE	DME			47Y	ANG	473213N 005107W			160/500	500	Assigned	
		ILS/DME	26	108.900	26X	AS	TRD 473331N 001940W 473342N 001828W	81	25/62.5	23/100	100	Operational	
	ANGOULEME/BRIE-CHAMPNIERS	ILS/DME	28	109.350	30Y	AM	TRD 454350N 001219E 454347N 001335E	97	25/62.5	23/100	100	Operational	
	AURILLAC	ILS	15	110.300		AR	TRD 445258N 022543E 445340N 022503E	329	25/62.5		62	Assigned	
	AVIGNON	VOR/DME		114.600	93X	AVN	435943N 044447E		100/500	100/500	500	Operational	
	AVIGNON/CAUMONT	ILS/DME	17	110.500	42X	AN	TRD 435350N 045416E 435441N 045408E	349	25/62.5	25/100	100	Operational	

F	AVORD	ILS	24	110.700	43X	AV	TRD 470244N 023621E	60	25/62.5	150/600	62	Operational
		TAC				AVD	470347N 023850E				@470329N 023747E	600
	BALE/MULHOUS E	ILS/DME	15	111.550	52Y	MH	TRD 473503N 073200E	335	25/62.5	23/100	100	Operational
		VOR/DME				33	109.350				30Y	BLU
				117.450	121Y	BLM	473547N 073121E			100/500	500	Operational
	BASTIA/PORETTA	ILS/DME	34	111.350	50Y	BAS	TRD 423405N 092838E	163	25/62.5	23/100	100	Operational
		VOR/DME		114.150	88Y	BTA	423242N 092919E				80/500	80/500
	BEAUVAIS	VOR		115.900		BVS	423425N 092829E			40/250	250	Assigned
	BEAUVAIS/TILLE	ILS/DME	12	111.150	48Y	BVT	TRD 492641N 020806E	304	25/62.5	25/250	250	Operational
		VOR/DME				30	109.950				36Y	BI
				109.650	33Y	BOV	492600N 020900E			100/400	400	Assigned
	BERGERAC/ROU MANIER	ILS/DME	28	108.150	18Y	RM	TRD 444931N 003013E	94	25/62.5	23/100	100	Operational
	BEZIERS/VIAS	ILS/DME	09	109.350	30Y	ZR	TRD 431921N 032210E	274	25/62.5	23/100	100	Operational
	BIARRITZ/ANGLE T	ILS/DME	27	111.350	50Y	BZ	TRD 432806N	89	25/62.5	23/100	100	Operational
		VOR/DME		114.150	88Y	BTZ	013220W 432803N				100/500	100/500
	BORDEAUX/MER IGNAC	ILS/DME	23	110.300	40X	BD	TRD 444854N	45	25/62.5	23/100	100	Operational
		VOR/DME		29	111.150	48Y	BEI				004406W 445016N	106
				113.750	84Y	BMC	004218W			150/500	500	Operational
	BOULOGNE-SUR- MER BOURSONNE	VOR		113.800		BNE	TRD 444956N				500	Operational
		DME				95Y	BSN	004358W 444931N			60/500	500
	BRAY-SUR-SEINE	VOR/DME		114.100	88X	BRY	004214W				500	Operational
	BREST	VOR/DME		110.650	43Y	BZH	@444937N 004316W			100/500	500	Assigned
							503729N 015426E		70/500		500	Operational
							491118N 030323E				500	Assigned
							@482425N 031741E		100/500	100/500	500	Operational
							482636N 042635W		130/500	130/500	500	Assigned

operational before th

F	BREST						TRD 482632N 042636W 482706N						
	BRETAGNE	ILS/DME	25L	109.900	36X	BG	042424W	71	25/62.5	23/100	100	Operational	
	BRIVE/SOULLAC	ILS/DME	29	109.950	36Y	BVC	TRD 450242N 012807E 450211N 012933E	115	25/62.5	25/250	250	Operational	
	CAEN/CARPIQUE						TRD 491054N 002805W 491024N						
	T	ILS/DME	31L	110.950	46Y	CN	002650W	125	25/62.5	23/100	100	Operational	
		VOR/DME		114.450	91Y	CAN	491024N 002719W		100/500	100/500	500	Operational	
	CAGNES-SUR-MER	DME			29X	CGS	433843N 070845E			40/250	250	Assigned	
	CALVI/STE-CATHERIN	ILS/DME	18	109.500	32X	CLI	TRD 423106N 084735E 423105N 084735E	0	25/62.5	25/100	100	Operational	
	CAMBRAI/EPINOY	VOR/DME		112.600	73X	CMB	501341N 030905E		80/500	80/500	500	Assigned	
	CANNES/MANDE						TRD 433323N 065658E						
	LIEU	ILS/DME	35	110.350	40Y	CMD	433324N 065700E	173	25/62.5	25/250	250	Operational	
	CANNES/TANNERON	VOR		111.400		CNM	@433337N 065215E		80/500		500	Operational	
	CARCASSONNE	ILS/DME	10	111.100	48X	CS	TRD 431254N 021910E 431304N 021756E	276	25/62.5	23/100	100	Operational	
	CASTRES/MAZAMET	ILS/DME	14	111.350	50Y	EN	TRD 433252N 021755E 433338N 021710E	321	25/62.5	23/100	100	Operational	
	CAZAUX	ILS	24	110.100		CAA	TRD 443132N 010835W 443215N	57	25/62.5		62	Operational	
		TAC			45X	CAA	@443152N 010810W			250/600	600	Operational	
	CHALONS/VATRY	ILS/DME	10	111.300	50X	CVD	TRD 484620N 041250E 484639N 040948E	281	25/62.5	25/250	250	Operational	
			28	109.550	32Y	CVL	TRD 484648N 040916E 484620N 041214E	101	25/62.5	25/100	100	Operational	
		VOR/DME		111.650	53Y	CAV	484652N 040849E		40/250	40/250	250	Operational	
	CHAMBERY/AIX-LES-B	ILS/DME	18	109.500	32X	CY	TRD 453739N 055252E 453836N 055240E	357	25/62.5	23/100	100	Operational	
	CHAMBERY/ALPES NOR	VOR/DME		115.400	101X	CBY	455255N 054526E		80/500	80/500	500	Operational	
CHARTRES/LA LOUPE	VOR/DME		115.200	99X	CHW	@482848N 005913E		180/500	180/500	500	Operational		
CHATEAUDUN	TAC			39X	CHN	480321N 012231E			40/500	500	Operational		
	VOR/DME		115.950	106Y	CAD	@480333N 012313E		80/500	80/500	500	Operational		

F	CHATEAUROUX	ILS/DME	21	110.300	40X	CX	TRD 465051N 014258E 465222N 014434E	33	25/62.5	25/100	100	Operational	
		VOR/DME		108.650	23Y	CHX	@465218N 014432E		80/500	200/500	500	Operational	
	CHATILLON-SUR-MARNE	VOR/DME		117.600	123X	CTL	@490816N 033440E		100/500	100/500	500	Operational	
	CLERMONT-FERRAND	VOR/DME		114.350	90Y	CFA	454715N 031132E		100/500	100/500	500	Operational	
	CLERMONT-FERRAND/A	ILS/DME	26	111.100	48X	CF	TRD 454704N 030846E 454722N 031100E	82	25/62.5	23/100	100	Operational	
	COGNAC/CHAT. BERNAR	ILS	23	109.900		CGC	TRD 453848N 001938W 453931N 001815W	50	25/62.5		62	Operational	
		VOR/DME		114.650	93Y	CNA	453934N 001842W		100/500	100/500	500	Operational	
		VOR/TAC		116.200	109X	CGC	453941N 001828W		100/500	100/500	500	Operational	
	COULOMMIERS/VOISIN	VOR/DME		112.900	76X	CLM	485041N 030050E		60/500	60/500	500	Operational	
	CREIL	VOR/TAC		109.200	29X	CRL	@491519N 023053E 491522N 023102E		60/500	60/500	500	Operational	
	DEAUVILLE/ST-GATIE	ILS/DME	30R	111.550	52Y	DV	TRD 492218N 000806E 492150N 000943E	117	25/62.5	25/100	100	Operational	
		VOR		110.200		DVL	491839N 001846E		60/500		500	Operational	
	DIEPPE	VOR		115.800		DPE	495531N 011014E		40/500		500	Operational	
	DIJON/LONGVIC	VOR/DME		111.450	51Y	DJL	@471615N 050550E		100/500	100/500	500	Operational	
	DINARD/PLEURTUIT	VOR/DME		114.300	90X	DIN	483510N 020456W		80/500	80/500	500	Operational	
	DOLE/TAVAU	ILS/DME	05	109.350	30Y	DO	TRD 470249N 052636E 470202N 052510E	234	25/62.5	25/100	100	Operational	
	EPERNON	VOR/DME		115.650	103Y	EPR	483732N 013924E		60/500	60/500	500	Operational	
	EPINAL	VOR/DME		115.850	105Y	EPN	481904N 060334E		70/500	125/500	500	Assigned	
	EPINAL/MIRECOURT	ILS	26	110.900		MI	TRD 481926N 060255E 481937N 060452E	85	25/62.5		62	Operational	
		VOR		113.000		EPL	481904N 060334E		60/500		500	Operational	
	ETAIN/ROUVRES	ILS/DME	02	110.500	42X	MCY	491424N 054037E 491308N 054015E		25/62.5	25/100	100	Operational	
EVREUX/FAUVILLE	ILS	22	111.300		EVX	TRD 490059N 011215E 490211N 011357E	40	25/62.5		62	Operational		
	TAC				23X	TST		490200N 011200E		05-10-2024	10	Operational	GROUND TEST AND I
					31Y	TST		490200N 011200E		05-10-2024	10	Operational	GROUND TEST AND I
	VOR/TAC		112.400	71X	EVX	@490154N 011315E 490143N 011251E			150/500	150/500	500	Operational	

F	FIGARI-SUD						TRD 412942N 090505E							
	CORSE	ILS/DME	23	110.500	42X	GR	413032N 090616E	48	25/62.5	23/100	100	Operational		
		VOR/DME		116.700	114X	FGI	413008N 090500E		40/250	40/250	250	Operational		
	GAILLAC/CASTE													
	LNAU	DME			22X	GAI	435715N 014927E			130/500	500	Assigned	scheduled for Decen	
		VOR		115.800		GAI	@435715N 014927E		100/500		500	Operational		
	GRENOBLE/ST- GEOIRS	ILS/DME	09	109.300	30X	SG	TRD 452146N 052107E 452151N 051847E	270	25/62.5	25/250	250	Operational		
	GROSTENQUIN	VOR/DME		111.250	49Y	GTQ	@485911N 064258E		100/500	100/500	500	Operational		
	HYERES	ILS/DME	05	108.100	18X	HY	TRD 430624N 060943E 430546N 060847E	231	25/62.5	25/250	250	Operational		
		TAC			27X	HYE	430601N 060852E			40/250	250	Operational		
		VOR/DME		110.050	37Y	HRE	430600N 060900E		50/250	50/250	250	Operational	MIL	
	ISTRES	ILS/DME	15	111.300	50X	IST	TRD 433016N 045613E 433208N 045459E	333	25/62.5	25/250	250	Operational		
		TAC			104X	ITR	433134N 045537E			200/500	500	Operational		
	LA ROCHELLE/LALE U	ILS/DME	27	109.550	32Y	RL	TRD 461047N 011246W 461041N 011128W	92	25/62.5	25/100	100	Operational		
	LA TOUR-DU-PIN	VOR/DME		115.550	102Y	LTP	452920N 052621E		80/500	80/500	500	Operational		
	L'AIGLE	VOR/DME		112.700	74X	LGL	@484726N 003149E		60/500	200/500	500	Operational		
	LANDIVISIAU	ILS/DME	26	108.500	22X	LD	TRD 483134N 041022W 483201N 040823W	73	25/62.5	25/100	100	Operational		
		TAC			98Y	LDV	@483142N 040923W			200/500	500	Operational		
	LANVEOC- POULMIC	TAC			94X	BST	481704N 042708W			40/250	250	Operational		
	LE LUC/LE CANNET	ILS/DME	09	109.300	30X	LC	TRD 432305N 062325E 432308N 062253E	268	25/62.5	25/100	100	Operational		
	VOR/DME		113.000	77X	LUC	432258N 061521E		100/250	100/250	250	Operational			
LE TOUQUET/PARIS- P	ILS/DME	14	110.150	38Y	LT	TRD 503042N 013758E 503117N 013652E	313	25/62.5	23/100	100	Operational			
LILLE/LESQUIN	ILS/DME	26	110.750	44Y	LIL	TRD 503343N 030434E 503358N 030651E	78	25/62.5	23/100	100	Operational			
	VOR/DME		109.000	27X	LEQ	503342N 030521E		40/250	40/250	250	Operational			
LIMOGES/BELLE GARDE	ILS/DME	21	110.100	38X	LG	TRD 455103N 011016E 455210N 011112E	33	25/62.5	23/100	100	Operational			
	VOR/DME		114.500	92X	LMG	@454857N 010132E		100/500	100/500	500	Operational			

F	LORIENT	ILS/DME TAC	25	108.150	18Y 105X	BH LOR	TRD 474521N 032740W 474546N 032607W @474541N 032628W	72	25/62.5	25/100 250/250	100 250	Operational Operational
	LUXEUIL	VOR		117.100		LUL	@474118N 061744E		80/500		500	Operational
	LUXEUIL/ST SAUVEUR	ILS TAC	11	108.100	19X	LXI LXI	TRD 474653N 062213E 474723N 062013E 474659N 062126E	293	25/62.5	40/250	62 250	Operational Operational
	LYON/BRON	ILS/DME	34	111.300	50X	LY	TRD 454415N 045623E 454328N 045651E	163	25/62.5	25/100	100	Operational
	LYON/ST EXUPERY	ILS/DME	17L	109.100	28X	LSS	TRD 454228N 050543E 454357N 050539E	355	25/62.5	25/100	100	Operational
			35L	110.750	44Y	SAN	TRD 454456N 050508E 454250N 050531E	175	25/62.5	23/100	100	Operational
			35R	111.500	52X	LSN	TRD 454416N 050529E 454251N 050547E	175	25/62.5	25/100	100	Operational
	LYON/ST- EXUPERY	VOR/DME		114.750	94Y	LSE	@454444N 050526E		140/500	140/500	500	Operational
	MARSEILLE/MIR ABEAU	VOR/DME		108.800	25X	MRM	@432238N 051935E		100/500	100/500	500	Operational
	MARSEILLE/PRO VENCE	ILS/DME	13L	110.300	40X	ML	TRD 432532N 051351E 432639N 051208E	314	25/62.5	23/100	100	Operational
			13R	108.300	20X	MCE	TRD 432529N 051333E 432618N 051219E	315	25/62.5	25/100	100	Operational
			31R	111.150	48Y	MPV	TRD 432659N 051147E 432557N 051308E	134	25/62.5	25/100	100	Operational
	MARTIGUES	VOR/DME		117.300	120X	MTG	@432311N 050513E		200/500	200/500	500	Operational
	MELUN	VOR/DME		113.600	83X	MLN	482721N 024848E 443630N 030945E		40/250	40/250	250	Operational
	MENDE	VOR/DME		115.300	100X	MEN	Alt=1367		100/500	100/500	500	Assigned
	MERVILLE	ILS/DME	22	109.350	30Y	MER	TRD 503638N 023758E 503726N 023848E	37	25/62.5	25/250	250	Operational
	METZ/NANCY	ILS/DME	22	111.750	54Y	MLY	TRD 485804N 061400E 485918N 061540E	39	25/62.5	25/100	100	Operational
	MONT-DE- MARSAN	ILS TAC	27	110.500	24X	MDM MDM	TRD 435437N 003226W 435439N 002931W @435436N 003016W	87	25/62.5	200/500	62 500	Operational Operational

F	MONT-DE-MONTDIDIER	VOR/DME		111.650	53Y	LGH	435439N 002942W		60/250	60/250	250	Operational		
	MONTELMAR	VOR/DME		113.650	83Y	MTD	@493309N 022922E		60/500	60/500	500	Operational		
	MONTMEDY	VOR		113.650	83Y	MTL	443318N 044648E		100/500	100/500	500	Operational		
	MONTPELLIER/REJOR	VOR/DME		109.400		MMD	@492328N 050728E		100/500		500	Operational		
	MONTPELLIER/MEDITERRAN	VOR/DME	30R	114.450	91Y	FJR	@433442N 035829E		80/500	80/500	500	Operational		
	MOULINS	ILS/DME			108.550	22Y	FG	TRD 433515N 035711E 433431N 035848E	125	25/62.5	25/100	100	Operational	
		VOR/DME			116.700	114X	MOU	464224N 033754E		80/500	80/500	500	Operational	
	NANCY/OCHEY	ILS	20		108.700		NAY	TRD 483413N 055651E 483526N 055737E	20	25/62.5		62	Operational	
		TAC				115X	NAY	@483501N 055707E			60/250	250	Operational	
	NANTES/ATLANTIQUE	ILS/DME	21		111.750	54Y	NTA	TRD 470821N 013716W	27	25/62.5	25/100	100	Assigned	
							NT	TRD 470956N 013604W 470839N						
			03		109.900	36X	NTS	013710W	207	25/62.5	25/100	100	Operational	
	NEVERS	VOR/DME			115.500	102X	NEV	@470939N 013647W		150/500	150/500	500	Operational	
	NICE/COTE D'AZUR	VOR			113.400		NIZ	@470911N 025546E @434614N 071516E		80/500		500	Operational	
		DME				71X	NIZ	Alt=830			200/500	500	Assigned	
		ILS/DME	04L		109.950	36Y	NI	TRD 434010N 071342E 433917N 071222E	225	25/62.5	25/250	250	Operational	
							NA	TRD 434004N 071345E 433852N 071222E	225	25/62.5	23/100	100	Operational	
		VOR/DME	04R		110.700	44X	AZR	433935N 071328E		100/250	100/250	250	Operational	
					109.650	33Y								
	NIMES/GARONS	ILS/DME	18		109.550	32Y	NG	TRD 434500N 042500E 434557N 042503E	357	25/62.5	23/100	100	Operational	
	ORANGE/CARITAT	ILS	14		109.900		ORG	TRD 440744N 045247E 440843N 045142E	324	25/62.5		62	Operational	
		TAC				31X	ORG	440822N 045158E			40/250	250	Operational	
	ORLEANS/BRICY	ILS	25		111.300		OAN	TRD 475859N 014432E 475922N 014619E	69	25/62.5		62	Operational	
	VOR/DME			117.350	120Y	BCY	475907N 014520E		100/250	100/250	250	Operational	MIL	
PARIS/CH. DE GAULLE	ILS/DME	26R		111.950	56Y	GAU	485943N 023244E 485949N 023552E		25/62.5	25/100	100	Operational	OMNIDIRECTIONAL I	
PARIS/CH.DE GAULLE	DME				100Y	CGN	490112N 023000E			60/250	250	Assigned		
					117Y	PGS	485958N 023726E			110/500	500	Assigned		
	ILS/DME	08L		108.700	24X	GLE	485956N 023649E 485940N 023327E		25/62.5	25/100	100	Operational	OMNIDIRECTIONAL I	

F	PARIS/CH.DE GAULLE	ILS/DME	08R	108.550	22Y	DSE	TRD 485944N 023650E 485931N 023412E	265	25/62.5	25/100	100	Operational		
			09L	109.350	30Y	PNE	TRD 490139N 023431E 490134N 023144E	265	25/62.5	23/100	100	Operational		
			09R	110.100	38X	CGE	TRD 490126N 023433E 490119N 023103E	265	25/62.5	23/100	100	Operational		
			26L	108.350	20Y	DSU	TRD 485931N 023259E 485936N 023554E	85	25/62.5	25/100	100	Operational		
			27L	110.700	44X	CGW	TRD 490113N 023030E 490127N 023326E	85	25/62.5	25/100	100	Operational		
		PARIS/LE BOURGET	ILS	27R	110.350	40Y	PNW	TRD 490126N 023033E 490139N 023324E	85	25/62.5	25/250	250	Operational	
	25			111.100		LBW	TRD 485831N 022645E	68	25/62.5		62	Operational		
	27			110.550	42Y	RGE	TRD 485749N 022508E 485757N 022625E	85	25/62.5	25/100	100	Operational		
	07			109.500	32X	LBG	TRD 485828N 022735E 485802N 022537E	248	25/62.5	25/100	100	Operational		
				PARIS/ORLY	VOR/DME DME		116.100	108X	BT	485829N 022719E		40/250	40/250	250
		49X	OL			@484400N 022300E			60/250	250	Assigned			
		58Y	POY			484348N 022323E			40/250	250	Assigned			
		86Y	LOL			484348N 022311E			100/500	500	Assigned	DOUBLE DOC		
		ILS/DME	24	110.900	46X	OLO	TRD 484310N 021854E 484407N 022122E	62	25/62.5	25/100	100	Operational		
			26	111.750	54Y	OLW	TRD 484307N 022115E 484327N 022334E	74	25/62.5	23/100	100	Operational		
			02L	110.300	40X	OLN	TRD 484423N 022316E 484311N 022248E	198	25/62.5	25/100	100	Operational		
			06	108.500	22X	ORE	TRD 484411N 022148E 484326N 021926E	242	25/62.5	23/100	100	Operational		
			08	108.150	18Y	OLE	TRD 484423N 022415E 484400N 022400E	254	25/62.5	23/100	100	Operational		
	PAU/PYRENEES	ILS/DME	31	110.100	38X	PYR	TRD 432321N 002610W 432231N 002444W	126	25/62.5	23/100	100	Operational		

F	PERPIGNAN	VOR/DME		116.250	109Y	PPG	@424502N 025202E	100/500	100/500	500	Operational		
	PERPIGNAN/RIV ESALT	ILS/DME	33	111.750	54Y	PL	TRD 424521N 025137E 424422N 025233E	148	25/62.5	23/100	100	Operational	
	PHALSBOURG	ILS/DME	24	110.150	38Y	PB	TRD 484533N 071101E 484615N 071231E	57	25/62.5	25/100	100	Operational	
	POITIER/BIARD	DME			46Y	PT	463540N 001853E			65/500	500	Assigned	
	POITIERS/BIARD	VOR		113.300		POI	463452N 001753E		60/500		500	Operational	
	PONTOISE	ILS/DME VOR	05	110.950 111.600	46Y	CVN PON	TRD 490557N 020241E 490525N 020143E @490546N 020209E	225	25/62.5 60/500	25/100	100 500	Operational Operational	
	QUIMPER/PLUG UFFAN	ILS/DME VOR/DME	28	110.300 117.800	40X 125X	QR QPR	TRD 475833N 041113W 475825N 040937W 475726N 041105W	93	25/62.5 150/500	25/100 150/500	100 500	Operational Operational	
	RAMBOUILLET	VOR/DME		114.700	94X	RBT	@483914N 015939E		110/500	110/500	500	Operational	
	REIMS/CHAMPA GNE	ILS VOR	25	110.100 112.300		RC REM	TRD 491816N 040149E 491842N 040343E 491842N 040243E	67	25/62.5 70/500		62 500	Operational Operational	
	RENNES/ST- JACQUES	ILS/DME VOR/DME	28	110.100 109.250	38X 29Y	RS REN	TRD 480426N 014454W 480418N 014319W 480409N 014430W	101	25/62.5 150/500	23/100 150/500	100 500	Operational Operational	
	ROANNE/RENAIS ON	VOR VOR/DME		110.250 110.400	41X	ROA ROA	460333N 035957E 460333N 035957E		60/250 80/500		250 500	Operational Assigned	MESO 06/2023
	ROCHEFORT/ST- AGNAN	ILS	11	108.150		ROC	455600N 010000W TRD 455351N 010000W 455315N 005829W 455316N		25/62.5		62	Operational	INSTR.
		ILS/DME	30	110.500	42X	ROC	005829W	123	25/62.5	23/100	100	Operational	
	RODEZ ROLAMPONT	ILS/DME DME	31	110.750	44Y 120X	RDE RLP	TRD 442452N 022817E 442412N 022916E @475423N 051457E	129	25/62.5	25/100 120/500	100 500	Operational Assigned	
	ROUEN/BOOS	ILS/DME VOR	22	110.500 116.800	42X	RN ROU	TRD 492240N 010958E 492321N 011046E 492756N 011650E	41	25/62.5 40/250	25/100	100 250	Operational Operational	
	SAINT-DIZIER	ILS/DME	29	108.900	26X	SDI	TRD 483830N 045246E 483754N 045436E	113	25/62.5	23/100	100	Operational	

F	SAINT-DIZIER	TAC			87X	SDI	483813N 045321E @431310N 063606E		40/250	250	Operational		
	SAINT-TROPEZ	VOR/DME		116.500	112X	STP	431310N 063607E	200/500	200/500	500	Operational		
	SAINT-YAN	ILS/DME	33R	111.750	54Y	SN	TRD 462529N 040017E 462429N 040103E	148	25/62.5	23/100	100	Operational	
	SALON	ILS	16	110.900		SAL	TRD 433549N 050650E 433648N 050626E	340	25/62.5		62	Operational	
		TAC			98Y	SAL	433643N 050610E			100/500	500	Operational	
	SOLENZARA	ILS	18	109.100		SZA	TRD 415434N 092421E 415600N 092413E	359	25/62.5		62	Operational	
	STRASBOURG	TAC			87X	SZA	415615N 092358E			200/600	600	Operational	
		VOR/DME		115.600	103X	STR	@483019N 073419E	150/500	150/500		500	Operational	
	STRASBOURG/E NTZHEIN	ILS/DME	23	109.550	32Y	STZ	TRD 483140N 073637E 483234N 073818E	49	25/62.5	23/100	100	Operational	
	STRASBOURG/S AVERNE	VOR/DME	05	108.550	22Y	ENT	TRD 483256N 073846E 483155N 073711E	229	25/62.5	25/250	250	Operational	
			41Y	SAV	484746N 072653E		60/250	60/250	250	Operational			
	TARBES/OSSUN- LOURD	ILS/DME	20	109.500	32X	OS	TRD 430952N 000049W 431119N 000001E	20	25/62.5	25/100	100	Operational	
		VOR/DME		113.900	86X	TBO	431956N 000845E		80/500	80/500	500	Operational	
	TARBES-LAHITTE THIERS	VOR DME		111.800		LMB TIS	@432800N 000106W 455255N 033313E		60/250		250 250	Operational Assigned	
	TOUL	ILS	04	108.300		TUL	TRD 484700N 060000E	216	25/62.5		62	Operational	MIL
	TOULOUSE DTI TOULOUSE/BLA GNAC	ILS GBAS	05	111.300		DTI	TRD 433444N 012222E	230	25/62.5		62	Assigned	TEMPORARY
	TOULOUSE/ENA C	DME		114.050		STNA	433654N 012303E		23/100		100	Operational	TESTING GBAS
			14L	108.900	26X	TG	TRD 433650N 012255E 433804N 012130E	323	25/62.5	25/100	100	Operational	
			32L	109.300	30X	TBN	TRD 433854N 012029E 433719N 012217E	143	25/62.5	25/100	100	Operational	
	TOULOUSE/ENA C	VOR/DME	32R	108.350	20Y	TD	TRD 433821N 012120E 433701N 012236E	143	25/62.5	25/100	100	Operational	
				117.700	124X	TOU	@434051N 011835E		120/500	120/500	500	Operational	
				42Y	MENA	433700N 012200E			23/100	100	Operational		

F	TOULOUSE/ENA	DME			62X	AC	433700N 012200E		40/250	250	Operational	INSTRUCTION training use, not pupil INSTRUCTION AND M INSTRUCTION AND M	
		ILS	07	108.100		AC	433700N 012200E	25/62.5		62	Operational		
					AC	433700N 012200E	25/62.5			62	Operational		
	TOURS	VOR			112.850		ENAC	433700N 012200E	40/250		250		Assigned
		DME				126X	TST	472100N 002800E		01-12-1930	30		Assigned
		TAC				85X	TUR	@472520N 004351E		150/500	500		Operational
		VOR			112.250		TST	472100N 002800E	01-12-1930		30		Operational
	TOUSSUS-LE-NOBLE	ILS/DME	25R	110.150	38Y		TNO	TRD 484458N 020529E 484517N 020632E	25/62.5	25/100	100		Operational
		VOR			108.250		TSU	@484513N 020608E	100/500		500		Operational
	TROYES/BARBEREY	ILS/DME	17	111.150	48Y		TY	TRD 481848N 040105E 481938N 040051E	25/62.5	23/100	100		Operational
VOR				116.000		TRO	481504N 035747E	60/500		500	Operational		
VIENNE/REVENTIN	VOR			108.200		VNE	453323N 045300E	40/250		250	Operational		
VILLACOUBLAY	ILS/DME	27	110.750	44Y		VVO	TRD 484627N 021110E 484632N 021236E	25/62.5	25/100	100	Operational		
FIN	ALL FINLAND ANTON	VOR	09	111.350	50Y	VVE	TRD 484629N 021259E 484633N 021137E	25/62.5	25/100	100	Operational	MOBILE	
		DME		117.050		ANT	ALL FINLAND(LAND) 605147N 250737E	100/500		500	Operational		
	ENONTEKIO HALLI	ILS/DME	21	111.300	50X 36X	ET HA	TRD 682110N 232421E 682206N 232554E 615120N 244820E	25/62.5	25/100 100/500	100 500	Operational Operational		
HELSINKI-VANTAA	ILS	26	109.900			HA	TRD 615118N 244523E 615120N 244820E	25/62.5		62	Operational		
		VOR/DME		115.200	99X	HAL	615117N 244809E	60/500	60/500	500	Operational		
	ILS/DME	15	109.100	28X		HL	TRD 601820N 245923E 601942N 245808E 602002N 245659E	25/62.5	110/95	95	Operational		
		04L	111.900	56X		HTV	601856N 245423E	25/62.5	40/150	150	Operational		
		04R	111.500	52X		HG	TRD 601955N 245854E 601850N 245620E	25/62.5	25/100	100	Operational		
22L	110.300	40X		HK	TRD 601828N 245542E 601947N 245825E	25/62.5	25/100	100	Operational				
22R	110.700	44X		HUO	TRD 601839N 245358E 601948N 245617E	25/62.5	25/100	100	Operational				
VOR/DME		114.200	89X		HEL	602016N 245713E	60/500	60/500	500	Operational			

FIN	IVALO	ILS/DME	22	109.900	36X	IV	TRD 683552N 272240E 683649N 272511E	47	25/62.5	25/100	100	Operational
	JOENSUU	ILS/DME VOR/DME	28	109.500 115.700	32X 104X	JO JNS	TRD 623956N 293529E 623924N 293815E 623938N 293638E	110	25/62.5 100/250	120/95 100/250	95 250	Operational Operational
	JYVASKYLA	ILS/DME	30	110.900	46X	JY	622434N 253921E 622333N 254126E		25/62.5	120/95	95	Operational
	KAJAANI	ILS/DME VOR/DME	07	109.900 114.900	36X 96X	KI KNI	TRD 641717N 274332E 641706N 274021E 641657N 273921E	260	25/62.5 60/500	25/100 60/500	100 500	Operational Operational
	KAUNIS	VOR/DME		115.800	105X	KNS	682714N 272705E		100/500	100/500	500	Operational
	KEMI	ILS/DME	18	110.900	46X	KE	TRD 654607N 243441E 654724N 243456E	8	25/62.5	25/100	100	Operational
	KITTILA	ILS/DME	16	111.900	56X	HOU	TRD 674136N 245059E 674136N 245057E	346	25/62.5	25/100	100	Operational
			34	111.900	56X	KT	TRD 674252N 245017E 674136N 245057E	166	25/62.5	25/100	100	Operational
	KRUUNUPYY	ILS/DME	19	109.300	30X	KK	TRD 634219N 230813E 634338N 230838E	11	25/62.5	120/95	95	Operational
	KUOPIO	ILS/DME VOR/DME	33	110.300 113.000	40X 77X	KU VEH	TRD 630157N 274627E 625954N 274830E 625847N 274850E	157	25/62.5 60/500	90/95 60/500	95 500	Operational Operational
	KUUSAMO	ILS/DME VOR/DME	12	110.300 114.400	40X 91X	KO KLA	TRD 655842N 291553E 655932N 291322E 655930N 291409E	312	25/62.5 60/500	25/100 60/500	100 500	Operational Operational
	LAPPEENRANTA	ILS/DME VOR/DME	06	109.900 112.500	36X 72X	LP VIL	TRD 610300N 281013E 610232N 280741E 610220N 280701E	247	25/62.5 60/500	25/100 60/500	100 500	Operational Operational
	LUONET	VOR/DME		112.300	70X	LNE	622515N 253724E		60/500	60/500	500	Operational
	MARIEHAMN	ILS/DME VOR/DME	21	108.900 114.700	26X 94X	SD MAR	TRD 600646N 195324E 600740N 195402E 600828N 195452E	23	25/62.5 60/500	25/100 60/500	100 500	Operational Operational
	MIKKELI	ILS	11	109.500		MI	TRD 614100N 271309E 614114N 271138E	293	25/62.5		62	Operational
	ORIMATTILA	VOR/DME		117.300	120X	ORM	605001N 254544E		60/500	60/500	500	Operational

DVOR

FIN	OULU	ILS/DME	12	109.500	32X	OU	TRD 645522N 252259E	301	25/62.5	25/100	100	Operational	
		VOR/DME		113.300	80X		OUK		645601N 252009E	60/500	60/500	500	Operational
	PORI	ILS/DME	30	108.100	18X	PO	TRD 612810N 214637E	126	25/62.5	40/150	150	Operational	
		VOR/DME		113.200	79X		PRI		612730N 214821E	60/500	60/500	500	Operational
	PORVOO POSIO	VOR/DME		112.800	75X	PVO	612753N 214745E		60/500	60/500	500	Operational	
		DME			33X		POS		601740N 253519E	60/500	60/500	500	Operational
	ROVANIEMI	ILS/DME	21	111.700	54X	RO	TRD 663306N 254818E	37	25/62.5	25/100	100	Operational	
		VOR/DME		117.700	124X		ROI		663428N 255043E	60/500	60/500	500	Operational
	SANTAHAMINA	DME			122X	KAD	663345N 254913E			100/500	500	Operational	
	SAVONLINNA	ILS/DME	12	111.100	48X	SA	TRD 615608N 285802E	306	25/62.5	120/95	150	Operational	
		VOR/DME		117.900	126X		SVL		615710N 285451E	60/500	60/500	500	Operational
	SEINAJOKI SIKKALATVA SODANKYLA	ILS	32	111.500		IL	TRD 624153N 224911E	136	25/62.5		62	Operational	
		DME		74X	SKE		624107N 225035E			120/95	95	Operational	ENR DME
		DME		75X	SOD		641826N 261759E			120/95	95	Operational	ENR DME
	TAMPERE- PIRKKALA	ILS/DME	24	110.100	38X	TP	TRD 612424N 233419E	64	25/62.5	87/95	95	Operational	
		VOR/DME		116.200	109X		PIR		612502N 233723E	60/500	60/500	500	Operational
	TURKU	ILS/DME	26	109.500	32X	TU	TRD 603046N 221409E	85	25/62.5	25/100	100	Operational	
		VOR/DME		115.500	102X		RUS		603058N 221649E	60/500	60/500	500	Operational
	UTTI	ILS/DME	25	110.500	42X	UT	TRD 605338N 265456E	78	25/62.5	40/150	150	Operational	
	VAASA	ILS/DME	16	108.500	22X	VA	TRD 630214N 214616E	343	25/62.5	120/95	95	Operational	DME Tx antenna heig
		VOR/DME		114.500	92X		VAS		630335N 214531E	60/500	60/500	500	Operational
	VIHTI	DME			117X	VTI	630229N 214554E			60/500	500	Operational	
G	ABERDEEN	VOR/DME		114.300	90X	ADN	602733N 241439E		200/500	200/500	500	Operational	
	ABERDEEN/DYC E	ILS/DME	16	109.900	36X	IAX	TRD 571125N	338	25/62.5	25/100	100	Operational	
							36X		IABD	021121W 571229N			
				109.900	36X		021159W 571204N			25/100	100	Operational	
							TRD 571249N						
							021223W 571152N						
							021133W	158	25/62.5	25/100	100	Operational	

G	ALL U.K.	TAC			114X	QLZ	560100N 032700W Alt=0		40/250	250	Operational		
	ALL UK	DME			119Y		ALL UNITED KINGDOM(LAND)		100/500	500	Operational		
					17Y		ALL UNITED KINGDOM(LAND)		100/500	500	Operational		
					57X		ALL UNITED KINGDOM(LAND)		100/500	500	Operational	MOBILE	
					81Y		ALL UNITED KINGDOM(LAND)		100/500	500	Operational		
				ILS/DME	111.950	56Y		ALL UNITED KINGDOM(LAND)(*)	25/62.5	25/100	100	Operational	
		TAC			112Y		ALL UNITED KINGDOM(LAND)		40/250	250	Operational	MIL mobile ground	
			26Y		ALL UNITED KINGDOM(LAND)		40/250	250	Operational	MIL mobile ground			
			34X		ALL UNITED KINGDOM(LAND)		40/250	250	Operational	MIL mobile ground			
			54X		ALL UNITED KINGDOM(LAND)		40/250	250	Operational	MIL mobile ground			
		VOR/DME	116.900	116X		ALL UNITED KINGDOM(LAND)	100/500	100/500	500	Operational	MOBILE		
			116.950	116Y		ALL UNITED KINGDOM(LAND)	100/500	100/500	500	Operational	MOBILE		
		BAE COWES BARKWAY	TAC		25X	TST	504453N 011831W 504453N 011832W Alt=61		40/250	250	Operational	Bae Cowes QEC test	
			VOR/DME	116.250	109Y	BKY	515923N 000343E TRD 540805N 031612W 540733N 031603W 540738N	40/250	120/500	500	Operational		
		BARROW/WALN EY IS. BELFAST	ILS/DME	35	110.150	38Y	IWL	031553W Alt=16	166	25/62.5	25/100	101	Operational
			VOR/DME			117.200	119X	BEL	@543940N 061348W TRD 543638N 055253W 543724N 055207W 543710N	200/500	200/500	500	Operational
		BELFAST CITY	ILS/DME	22	108.100	18X	IBFH	055230W TRD 543736N 055144W 543654N 055244W 543710N	35	25/62.5	15/100	100	Operational
	04			108.100	18X	IHBD	055230W TRD 543828N 061309W 543919N	215	25/62.5	15/100	100	Operational	
	BELFAST/ALDER GROVE	ILS/DME	17	110.900	46X	IFT	061345W TRD 543903N 061427W 543938N	342	25/62.5	15/100	100	Operational	
	BENBECULA	DME	25	109.900	36X	IAG	061201W	65	25/62.5	25/100	100	Operational	
			18X			BCL	572830N 072213W		25/100	100	Operational	Replaces 3G3352	

G	BENBECULA	VOR/DME		113.950	86Y	BEN	@572841N 072155W TRD 513700N		200/500	200/500	500	Operational	
	BENSON	ILS/DME	19	110.950	46Y	IBO	010500W Alt=57 513717N 010554W	7	25/62.5	25/100	100	Operational	MIL
	BERRY HEAD	TAC VOR/DME		112.050	37X 57Y	BSO BHD	Alt=54 @502355N 032937W			50/250 160/500	250 500	Operational Operational	MIL, Project Marshal
	BIGGIN HILL	ILS/DME VOR/DME	21	109.350 115.100	30Y 98X	IBGH BIG	TRD 511924N 000136E 512013N 000206E @511951N 000205E TRD 522631N 014406W 522737N 014528W 522714N	26	25/62.5 125/500	25/100 125/500	100 500	Operational Operational	R
	BIRMINGHAM	ILS/DME	15	110.100	38X	IBIR	014506W TRD 522800N 014544W 522652N 014438W 522714N	325	25/62.5	25/100	100	Operational	
			33	110.100	38X	IBM	014506W TRD 534621N 030248W 534612N 030108W 534613N	145	25/62.5	25/100	100	Operational	
	BLACKPOOL	ILS/DME	28	108.150	18Y	IBPL	030142W TRD 510900N	94	25/62.5	25/100	100	Operational	
	BOSCOMBE	ILS/DME	23	109.100	28X	IBOD	014500W Alt=111 510856N 014510W	50	25/62.5	25/100	100	Operational	MIL
	DOWN	TAC			19X	BDN	Alt=116 TRD 504638N 015134W 504700N 014953W 504656N			200/600	600	Operational	MIL; Project Marshall
	BOURNEMOUTH	ILS/DME	26	110.500	42X	IBH	015028W TRD 504700N 014921W 504641N 015050W 504656N	75	25/62.5	25/100	100	Operational	
	BOVINGDON	VOR/DME	08	110.500	42X	IBM	015028W	255	25/62.5	25/100	100	Operational	
	BRECON	VOR/DME		113.750	84Y	BNN	514334N 003259W		60/500	60/500	500	Operational	
		VOR/DME		117.450	121Y	BCN	@514332N 031547W TRD 512255N 024411W 512254N		65/500	125/500	500	Operational	
	BRISTOL	ILS/DME	27	110.150	38Y	IBTS	024240W TRD 512300N 024202W 512300N	86	25/62.5	25/100	100	Operational	
			09	110.150	38Y	IBON	024345W TRD 514459N	266	25/62.5	25/100	100	Operational	
	BRIZE NORTON	ILS/DME	26	108.550	22Y	IBZB	013501W Alt=75 TRD 514459N	73	25/62.5	25/100	100	Operational	MIL
			08	108.550	22Y	IBZA	013501W Alt=87 514454N 013613W	253	25/62.5	25/100	100	Operational	MIL
		TAC			56X	BZN	Alt=87			100/600	600	Assigned	MIL; Project Marshall

G	BROOKMANS PARK	VOR/DME		117.500	122X	BPK	@514459N 000624W		80/500	80/500	500	Operational	R
							TRD 521156N 000947E 521226N 001055E						
	CAMBRIDGE	ILS/DME	23	111.300	50X	ICMG	521226N 001054E	50	25/62.5	25/100	100	Operational	
	CAMPBLETOWN	VOR/DME		116.000	107X	MAC	552548N 053901W TRD 512328N 031935W 512401N 032103W 512356N		150/500	150/500	500	Operational	Machrihanish; R
	CARDIFF	ILS/DME	12	110.700	44X	ICDF	032026W TRD 512407N 032137W 512332N 032005W 512356N	296	25/62.5	25/100	100	Operational	
	CLACTON	VOR/DME	30	110.700	44X	ICWA	032026W	116	25/62.5	25/100	100	Operational	
	COMPTON (NORRY)	VOR/DME		114.550	92Y	CLN	@515054N 010851E		150/500	150/500	500	Operational	
	CONINGSBY	VOR/DME		114.350	90Y	CPT	@512930N 011311W TRD 530600N		150/500	150/500	500	Operational	
		ILS/DME	25	111.150	48Y	ICNY	001000W Alt=15 530528N 001008W	71	25/62.5	25/100	100	Operational	MIL
		TAC			48X	CGY	Alt=5 TRD 520346N 003734W 520432N 003640W 520425N			120/400	400	Assigned	MIL; Project Marshall
	CRANFIELD	ILS/DME	21	108.900	26X	ICR	003703W TRD 530200N	32	25/62.5	25/100	100	Operational	
	CRANWELL	ILS/DME	26	108.500	22X	ICW	003000W 530138N 002918W	82	25/62.5	25/100	100	Operational	MIL
		TAC			121X	CWZ	Alt=58 TRD 500500N			65/100	100	Operational	MIL; Project Marshall
	CULDROSE	ILS/DME	30	109.750	34Y	ICUL	051600W	112	25/62.5	25/100	100	Operational	MIL
	DAVENTRY	VOR/DME		116.400	111X	DTY	@521048N 010650W		75/500	75/500	500	Operational	
	DEAN CROSS	VOR/DME		115.200	99X	DCS	@544319N 032026W		100/500	100/500	500	Operational	
	DETLING	VOR/DME		117.300	120X	DET	511814N 003550E TRD 532741N 010041W 532900N 005952W 532830N		60/500	60/500	500	Operational	
	DONCASTER SHEFFIELD	ILS/DME	20	110.950	46Y	IFNL	010007W TRD 532925N 005946W 532801N 010024W 532830N	18	25/62.5	25/100	100	Assigned	
	DOVER	VOR/DME	02	110.950	46Y	IFIN	010007W	198	25/62.5	25/100	100	Assigned	
				114.950	96Y	DVR	@510945N 012133E		200/500	200/500	500	Operational	

G	DUNDEE	ILS/DME	09	108.100	18X	IDDE	TRD 562708N 030043W 562712N 030159W 562706N 030133W	270	25/62.5	15/50	62	Operational	
	DUNDONALD	DME			101Y	DUD	553332N 043606W Alt=147 TRD 524950N 012123W 524956N 011847W 524958N			160/500	500	Operational	En-route
	EAST MIDLANDS	ILS/DME	27	109.350	30Y	IEME	011940W TRD 524953N 011807W 524955N 012031W 524958N	88	25/62.5	25/100	100	Operational	
			09	109.350	30Y	IEMW	011940W TRD 555629N 032352W 555717N 032149W 555706N	268	25/62.5	25/100	100	Operational	
	EDINBURGH/EDINBURG	ILS/DME	24	108.900	26X	ITH	032223W TRD 555726N 032105W 555652N 032259W 555706N	59	25/62.5	25/100	100	Operational	
			06	108.900	26X	IVG	032223W TRD 504354N 032548W 504413N 032418W 504407N	239	25/62.5	25/100	100	Operational	
	EXETER	ILS/DME	26	109.900	36X	IXR	032452W TRD 504413N 032349W 504353N 032522W 504407N	76	25/62.5	25/100	100	Operational	
			08	109.900	36X	IET	032452W TRD 514100N	256	25/62.5	25/100	100	Operational	
	FAIRFORD	ILS	27	111.100		IFFA	014700W Alt=91 TRD 514100N	88	25/62.5		62	Operational	MIL
			09	111.100		IFFB	014700W Alt=91 514055N 014751W	268	25/62.5		62	Operational	MIL
		TAC			81X	FFA	Alt=91 TRD 511610N 004745W 511641N			40/250	250	Operational	MIL
	FARNBOROUGH	ILS/DME	24	111.550	52Y	IFNB	004625W TRD 511656N 004524W 511631N	62	25/62.5	25/100	100	Operational	Update DME coordin
			06	111.550	52Y	IFRG	004656W	242	25/62.5	25/100	100	Operational	Update DME coordin
	GAMSTON	VOR/DME		112.800	75X	GAM	531653N 005650W TRD 555138N 042716W 555238N 042537W 555211N		80/250	80/250	250	Assigned	
	GLASGOW	ILS/DME	23	110.100	38X	IOO	042602W	46	25/62.5	25/100	100	Operational	

G	GLASGOW	ILS/DME	05	110.100	38X	IUU	TRD 555251N	226	25/62.5	25/100	100	Operational	
		VOR/DME		115.400	101X		GOW		042459W 555200N	300/500	300/500	500	Operational
	GLOUCESTERSHIRE GOODWOOD	ILS/DME	27	109.950	36Y	IGOS	TRD 515336N	83	25/62.5	25/100	100	Operational	
		VOR/DME		114.750	94Y		GWC		021047W 515342N	80/500	80/500	500	Operational
	GREAT DUN FELL GREEN LOWTHER	DME			99Y	DUF	020952W 515332N			160/500	500	Operational	En-route
		DME			33Y		GLO	021005W Alt=20,49,33			160/500	500	Operational
	GUERNSEY	ILS/DME	27	108.100	18X	IGH	544101N 022704W	88	25/62.5	25/100	100	Operational	
		VOR/DME		09	108.100		18X		IUY	Alt=842	25/62.5	25/100	100
				109.400	31X	GUR	552324N 034412W		80/500	80/500	500	Operational	Corrected DME power
	HAWARDEN	ILS/DME	22	110.350	40Y	IHDN	TRD 492604N	41	25/62.5	25/100	100	Operational	
				04	110.350		40Y		IHWD	023704W 492610N	25/62.5	25/100	100
	HIGHFIELD PARK HONILEY	DME			31Y	TST	023551W 492610N			05-01-2024	1	Operational	TRAINING
		VOR			117.750			TST	023635W 492610N	05-01-2024			1
		VOR/DME		113.650	83Y	HON	023613W Alt=102		100/500	100/500	500	Operational	
	HUMBERSIDE	ILS/DME	20	108.750	24Y	IHS	TRD 531012N	22	25/62.5	25/100	100	Operational	
										IHDN	025922W 531055N		
	INVERNESS	ILS/DME	23	108.500	22X	IDX	025831W 531044N	49	25/62.5	15/100	100	Operational	
				05	108.500		22X		ILN	025844W	25/62.5	15/100	100

G	INVERNESS	VOR/DME		109.200	29X	INS	573233N 040228W	60/250	60/250	250	Operational		
	ISLAY	DME			36Y	ISY	554059N 061458W		20/50	50	Operational		
	ISLE OF MAN	DME			59X	IOM	@540410N 044549W TRD 540452N 043826W 540500N 043659W 540452N		160/180	180	Assigned	En-route	
		ILS/DME	26	111.150	48Y	IRY	043722W TRD 540458N 043712W 540453N 043748W 540452N	78	25/62.5	25/100	100	Operational	
		VOR/DME	08	111.150	48Y	IRH	043722W	258	25/62.5	25/100	100	Operational	
		VOR/DME		112.200	59X	IOM	@540401N 044549W TRD 491225N 021230W 491234N		75/500	160/500	500	Operational	Sector change
	JERSEY	ILS/DME	27	110.300	40X	IDD	021121W TRD 491234N 021043W 491230N	82	25/62.5	25/100	100	Operational	
		VOR/DME	09	110.900	46X	IJJ	021207W	263	25/62.5	25/100	100	Operational	
		VOR/DME		112.200	59X	JSY	@491316N 020246W TRD 585728N 025452W 585733N 025335W 585732N		60/500	60/600	600	Operational	
	KIRKWALL	ILS/DME	27	110.100	38X	IKIR	025357W TRD 585730N 025302W 585724N 025423W 585732N	87	25/62.5	15/100	100	Operational	
		VOR/DME	09	110.100	38X	IORK	025357W	267	25/62.5	15/100	100	Operational	
		VOR/DME		108.600	23X	KWL	585735N 025338W TRD 522400N 003300E		25/100	25/100	100	Operational	
	LAKENHEATH	ILS	24	109.900		ILKH	Alt=18 TRD 522400N 003300E	56	25/62.5		62	Operational	MIL
			06	109.900		ILAK	Alt=17 522423N 003252E	236	25/62.5		62	Operational	MIL
		TAC			39X	LKH	Alt=27			60/250	250	Operational	MIL
	LAMBOURNE	VOR/DME		115.600	103X	LAM	@513846N 000906E		110/500	110/500	500	Operational	R
	LANDS END	VOR/DME		114.200	89X	LND	500811N 053813W		200/500	200/500	500	Operational	
	LASHENDEN/HEADCORN	DME			106Y	HLS	510915N 003902E TRD 535129N 013855W 535209N 014002W 535201N			15/100	100	Operational	
	LEEDS BRADFORD	ILS/DME	14	110.900	46X	ILBF	013931W TRD 535228N 014025W 535147N 013914W 535201N	317	25/62.5	25/100	100	Operational	
			32	110.900	46X	ILF	013931W TRD 541800N	137	25/62.5	25/100	100	Operational	
LEEMING	ILS/DME	16	110.300	40X	ILI	013200W	335	25/62.5	25/100	100	Operational	MIL	

G	LEEMING	TAC			73X	LEE	541703N 013131W Alt=37			100/250	250	Operational	MIL
	LEUCHARS	ILS/DME	26	108.550	22Y	ILU	TRD 562222N 025207W	80	25/62.5	25/100	100	Operational	MIL
		TAC			42X	LUK	562222N 025149W TRD 531958N			100/500	500	Operational	MIL
	LIVERPOOL	ILS/DME	27	111.750	54Y	ILQ	025214W 531959N 025014W 531957N	86	25/62.5	25/100	100	Operational	
			09	111.750	54Y	ILVR	025057W TRD 532004N	266	25/62.5	15/100	100	Operational	
	LONDON	VOR/DME		113.600	83X	LON	024951W 531955N 025142W 531957N			100/500	500	Operational	R
			27	111.150	48Y	ILSR	TRD 513020N 000232E 513020N 000348E 513020N 000351E	93	25/62.5	25/100	100	Operational	
	LONDON CITY	ILS/DME	27	111.150	48Y	ILST	TRD 513017N 000403E 513022N 000251E	273	25/62.5	25/100	100	Operational	
			09	111.150	48Y	IGG	TRD 510907N 000946W 510843N 001207W 510850N	258	25/62.5	25/100	100	Operational	
	LONDON/GATWICK	ILS/DME	08	110.900	46X	IWW	001120W TRD 510841N	78	25/62.5	25/100	100	Operational	
	LONDON/HEATHROW	DME	26L	110.900	46X	HRW	001253W 510855N 001033W 510850N	88	25/62.5	25/100	100	Assigned	New DME
			27	110.550	42Y	INW	Alt=24 TRD 512912N	88	25/62.5	25/100	100	Assigned	3rd Runway
		ILS/DME	09	110.550	42Y	IZZ	002913W TRD 512912N	268	25/62.5	25/100	100	Assigned	3rd Runway
			09L	110.300	40X	IAA	TRD 512840N 002537W 512843N 002850W 512844N	270	25/62.5	25/100	100	Operational	
09R	ILS/DME		109.500	32X	IBB	002733W TRD 512754N	270	25/62.5	25/100	100	Operational		
		27L	109.500	32X	ILL	002541W 512749N 002841W 512750N	90	25/62.5	25/100	100	Operational		

G	LONDON/HEATH ROW	ILS/DME	27R	110.300	40X	IRR	TRD 512839N 002937W 512844N 002617W 512844N 002733W	90	25/62.5	25/100	100	Operational	
	LONDON/LUTON	ILS/DME	26	109.150	28Y	ILJ	TRD 515217N 002312W 515232N 002127W 515231N 002130W	74	25/62.5	25/100	100	Operational	
			08	109.150	28Y	ILTN	TRD 515239N 002105W 515218N 002248W 515218N 002245W	254	25/62.5	25/100	100	Operational	
	LONDON/STANS TED	ILS/DME	22	110.500	42X	ISX	TRD 515221N 001258E 515338N 001444E 515313N 001406E	43	25/62.5	25/100	100	Operational	
			04	110.500	42X	ISED	TRD 515352N 001514E 515248N 001329E 515313N 001406E	223	25/62.5	25/100	100	Operational	
	LONDONDERRY/ EGLINGTON	ILS/DME	26	108.300	20X	IEGT	TRD 550222N 071052W 550243N 070909W 550239N 070943W	73	25/62.5	25/100	100	Operational	
			08	108.300	20X	IEGN	TRD 550243N 070910W 550232N 071015W 550239N 070944W	253	25/62.5	25/100	100	Operational	
	LOSSIEMOUTH	ILS/DME	23	111.550	52Y	ILOS	TRD 574300N 032000W Alt=6 574230N 031941W	43	25/62.5	25/100	100	Operational	MIL
		TAC			50X	LSM	Alt=10			100/250	250	Operational	MIL; Project Marshall
	LYDD	ILS/DME	21	108.150	18Y	ILDY	TRD 505714N 005622E 505736N 005628E @505959N 005243E	32	25/62.5	25/100	100	Operational	
	MADFORD	VOR/DME DME		114.050	87Y 45Y	LYD DFO	Alt=9 505131N 031426W		100/500	100/500 130/500	500 500	Operational Assigned	R En-route
	MANCHESTER	ILS/DME	05L	109.500	32X	IMM	TRD 532150N 021514W 532054N 021700W 532111N 021623W	231	25/62.5	25/100	100	Operational	
			05R	111.550	52Y	IMC	TRD 532105N 021613W 531958N 021821W 531959N 021821W	231	25/62.5	25/100	100	Operational	

G	MANCHESTER	ILS/DME	23R	109.500	32X	INN	TRD 532027N 021806W 532131N 021543W 532111N 021623W	51	25/62.5	25/100	100	Operational	
		VOR/DME		113.550	82Y		MCT		532125N 021544W TRD 523900N 003300E	90/500	90/500	500	Operational
	MARHAM	ILS/DME	24	110.750	44Y	IMR	Alt=21 523849N 003339E	55	25/62.5	25/100	100	Operational	MIL
	MAYFIELD	TAC			24X	MAM	Alt=20			100/250	250	Assigned	MIL; Project Marshall
		VOR/DME		117.900	126X	MAY	@510102N 000658E		60/250	60/250	250	Operational	R
	MIDHURST	VOR/DME		114.000	87X	MID	@510314N 003730W		100/500	100/500	500	Operational	R
	MILDENHALL	ILS	11	110.150		IMIL	522100N 003100E		25/62.5		62	Operational	MIL
				110.150			IMLD	522200N 002800E 522148N 002918E		25/62.5		62	Operational
	NEWCASTLE	TAC			106X	MLD	Alt=19			150/400	400	Operational	MIL
		DME			89Y	NEW	550218N 014154W TRD 550159N 014228W 550222N 014046W 550213N			200/500	500	Operational	R
		ILS/DME	25	111.500	52X	INWC	014121W TRD 550235N 014015W 550203N 014156W 550213N		25/62.5	25/100	100	Operational	
				07	111.500		52X	INC	014121W TRD 502601N 045835W 502648N 050028W 502632N	245	25/62.5	25/100	100
	NEWQUAY	ILS/DME	12	110.500	42X	INEW	045947W TRD 502658N 050107W 502611N 045914W 502632N	300	25/62.5	25/100	100	Operational	
				30	110.500		42X	INWQ	045947W TRD 513259N 002558W 513313N 002439W 513313N	120	25/62.5	25/100	100
	NORTHOLT	ILS/DME	25	108.500	22X	INHT	002440W TRD 513300N	70	25/62.5	25/100	100	Operational	MIL
				07	108.500		22X	INOL	002500W	249	25/62.5	25/100	100
	NORWICH	ILS/DME	27	110.900	46X	INH	TRD 524033N 011554E 524038N 011731E 524027N 011659E	89	25/62.5	25/100	100	Operational	Corrected DME locat
	OBAN			DME			42Y	OBA	562739N 052408W			25/100	100
	OCKHAM	VOR/DME		115.300	100X	OCK	@511818N 002650W TRD 511400N		90/250	90/250	250	Operational	R
	ODIHAM	ILS/DME	27	109.550	32Y	IODH	005700W Alt=121 511409N 005634W	91	25/62.5	25/100	100	Operational	MIL
		TAC					33X	ODH	Alt=121			50/250	250

G	OTTRINGHAM	VOR/DME		113.900	86X	OTR	@534154N 000613W TRD 514945N 011920W 515027N 011913W 515014N		200/600	200/600	600	Operational	
	OXFORD	ILS/DME	19	108.350	20Y	IOXF	011919W	11	25/62.5	25/100	100	Operational	
	PERTH/SCONE	VOR		110.400		PTH	562633N 032207W		80/500		500	Operational	
	POLE HILL	VOR/DME		112.100	58X	POL	@534438N 020612W TRD 553000N 043403W 553052N 043622W 553028N		150/500	150/500	500	Operational	
	PRESTWICK	ILS/DME	12	110.300	40X	IPP	043538W TRD 553102N 043701W 553018N 043441W 553028N	301	25/62.5	25/100	100	Operational	
	RAF SEALAND	TAC	31	110.300	40X 34X	IKK SED	043538W 531325N 025928W @504538N 000718E	121	25/62.5	25/100 100/600	100 600	Operational Operational	MIL; Project Marshall
	SEAFORD	VOR/DME		117.000	117X	SFD	Alt=91 TRD 524800N		120/500	120/500	500	Operational	En-route Nav; increa:
	SHAWBURY	ILS/DME	18	110.750	44Y	ISHY	024000W 524752N 023944W	359	25/62.5	25/100	100	Operational	MIL
	SHOREHAM	VOR/DME DME		116.800	115X 36Y	SWB SRH	Alt=81 505010N 001737W TRD 505631N 012141W 505719N 012122W 505719N		100/500	100/500 01-10-1955	500 55	Operational Operational	MIL
	SOUTHAMPTON	ILS/DME	20	110.750	44Y	ISN	012121W	19	25/62.5	25/100	100	Operational	
			02	110.750	44Y	ISN	505700N 012100W		25/62.5	25/100	100	Operational	
		VOR/DME		113.350	80Y	SAM	@505719N 012042W TRD 513352N 004048E 513426N 004151E		150/500	150/500	500	Operational	R
	SOUTHEND	ILS/DME	23	111.350	50Y	IND	513416N 004130E	54	25/62.5	25/100	100	Operational	
			05	111.350	50Y	ISO	TRD 513433N 004218E 513354N 004115E	234	25/62.5	25/100	100	Operational	
	ST. ABBS	VOR/DME		112.500	72X	SAB	@555427N 021223W TRD 512407N 032658W 512422N		200/500	200/500	500	Operational	
	ST. ATHAN	ILS/DME	25	111.150	48Y	ISAT	032530W TRD 581213N 061944W 581300N 062000W 581255N	75	25/62.5	25/100	100	Operational	MIL
	STORNOWAY	ILS/DME	18	110.900	46X	STW	061945W Alt=8	354	25/62.5	25/100	100	Operational	

G	WINSTONE	DME			104Y	WIN	514726N 020301W 523627N 002945W Alt=87		160/500	500	Operational	En-route	
	WITTERING WOLVERHAMPT ON/HALFPENNY GREEN	TAC			123X	WIT			100/400	400	Assigned	MIL; Project Marshall	
	YEOVIL/WESTLA ND	DME			23X	WOL	523057N 021543W Alt=91		15/100	100	Operational		
		DME			27Y	YVL	505627N 023914W TRD 510000N		25/250	250	Operational		
	YEOVILTON	ILS/DME	27	111.300	50X	IYEO	023800W Alt=20 510016N 023815W	83	25/62.5	25/100	100	Operational	MIL
	TAC				VLN	Alt=24 414141N 433236E			200/600	600	Assigned	MIL; Project Marshall	
GEO	BAKURIANI	DME			43X	BKU	Alt=2800 413623N 413606E		160/460	460	Operational		
	BATUMI	DME			21X	BTM	Alt=6		160/460	460	Operational		
		ILS/DME	13	110.300	40X	ILU	TRD 413604N 413648E 413652N 413526E 422930N 442946E	311	25/62.5	25/100	100	Operational	
	GUDAURI	DME			45X	GUD	Alt=2700		160/460	460	Operational		
	KUTAISI/KOPITN ARI	ILS/DME	25	108.700	24X	IKO	TRD 421028N 422751E 421038N 422938E	80	25/62.5	25/153	153	Operational	
			07	110.100	38X	IKS	TRD 421045N 423004E 421028N 422818E	260	25/62.5	25/133	133	Operational	
		VOR/DME		113.600	83X	KTS	421033N 422905E 420942N 414150E		108/100	108/100	100	Operational	
	POTI SUKHUMI/BABU SHARA	DME			47X	PTI	Alt=1			160/460	460	Operational	
		ILS	30	110.500			430000N 410000E		25/62.5		62	Assigned	AREA UGP 230 is clo:
	TBILISI/TBILISI	ILS/DME	13R	110.300	40X	IVP	TRD 413926N 445758E 414031N 445630E	316	25/62.5	25/100	100	Operational	
		31L	108.900	26X	INA	TRD 414045N 445618E 413933N 445741E	136	25/62.5	25/100	100	Operational		
	VOR/DME		113.700	84X	TBS	414014N 445649E 413746N 460056E		108/100	108/100	100	Operational	DVOR	
TSNORI	DME			23X	TSN	Alt=220			160/460	460	Operational		
GIB	ALL GIBRALTAR	TAC			112Y		ALL GIBRALTAR(LAND)		40/250	250	Assigned		
					26Y		ALL GIBRALTAR(LAND)		40/250	250	Operational		
					34X		ALL GIBRALTAR(LAND)		40/250	250	Assigned		

GIB	ALL GIBRALTAR	TAC		54X			ALL GIBRALTAR(LAND)		40/250	250	Assigned		
	GIBRALTAR	TAC		83X		GBR	360800N 052100W		200/600	600	Operational		
GRC	ALEXANDRIA	VOR/DME		43X	110.600	AXE	403900N 223000E	40/250	40/250	250	Operational	Objected by TUR - Re	
	ALEXANDROUPO												
	LIS	VOR/DME		85X	113.800	ALX	@405100N 255700E	100/500	100/500	500	Operational		
	ALL GREECE	TAC		112Y			ALL GREECE(LAND)		40/250	250	Operational	MIL	
				26Y			ALL GREECE(LAND)		40/250	250	Operational	MIL	
				34X			ALL GREECE(LAND)		40/250	250	Operational	MIL	
				54X			ALL GREECE(LAND)		40/250	250	Operational	MIL	
		VOR			116.000	TST	ALL GREECE(LAND)	40/500		500	Operational	TEST - MOBILE	
		VOR/DME		100Y	115.350	TST	ALL GREECE(LAND)	40/500	40/500	500	Operational	TEST-MOBILE	
	ANDRAVIDA	ILS/DME	34	46X	110.900	IAND	375600N 211700E	25/62.5	25/100	100	Assigned	MIL	
		TAC		61X		AML	375500N 211700E		200/500	500	Operational		
		VOR/DME		53X	111.600	AND	375600N 211700E	40/250	40/250	250	Assigned	TVOR - MIL	
				116X	116.900	ANV	375600N 211700E	100/250	100/250	250	Assigned	MIL	
	ARAXOS	TAC		71X		ARX	380700N 212500E		150/500	500	Operational		
		VOR/DME		74X	112.700	ARA	@380900N 212500E	150/500	150/500	500	Operational		
	ASTIPALEA	VOR/DME		112X	116.500	ASL	363500N 262200E	50/250	50/250	250	Assigned	TVOR - MIL	
	ATHINAI	VOR/DME		91X	114.400	ATV	375300N 234800E	120/500	120/500	500	Operational		
	ATHINAI/EL.VENI												
	ZELOS	ILS/DME	03L	42X	110.500	IATL	TRD 375700N 235600E	217	25/62.5	25/100	100	Operational	
			03R	48X	111.100	IATR	TRD 375700N 235800E	217	25/62.5	25/100	100	Operational	
			21L	48X	111.100	IEVL	TRD 375500N 235600E	37	25/62.5	25/100	100	Operational	
			21R	42X	110.500	IEVR	TRD 375500N 235500E	37	25/62.5	25/100	100	Operational	
		VOR/DME		33X	109.600	SAT	375500N 235500E	40/250	40/250	250	Operational	TVOR	
				122X	117.500	SPA	375500N 235600E	40/250	40/250	250	Operational	TVOR	
							TRD 353200N 240800E						
	CHANIA/SOUDA	ILS/DME	29	46X	110.900	ISUD	353200N 241000E	112	25/62.5	25/100	100	Operational	MIL
		TAC		49X		SUD	353300N 240700E			100/250	250	Operational	
		VOR/DME		23X	108.600	SUD	353100N 241100E	50/250	50/250	250	Operational	TVOR	
	CHIOS	VOR/DME		45X	110.800	HOS	382100N 260900E	40/250	40/250	250	Operational	TVOR	
	CHIOS/MESTA	VOR/DME		123X	117.600	MES	@381500N 255400E	150/500	150/500	500	Operational		
	DEKELIA/TATOI	ILS/DME	03	48Y	111.150	IDKT	380600N 234600E		25/62.5	25/100	100	Operational	MIL
		VOR/DME		106X	115.900	DTA	380600N 234600E	40/250	40/250	250	Operational	MIL	
	DIDIMON	VOR/DME		119X	117.200	DDM	372900N 231300E	80/500	80/500	500	Operational		
	ELEFSIS	ILS/DME	36	50X	111.300	IEFS	TRD 380400N 233300E	178	25/62.5	25/100	100	Operational	MIL
		TAC		19X		ELF	380400N 233300E			100/250	250	Operational	
		VOR/DME		35Y	109.850	LEF	380400N 233300E	40/250	40/250	250	Operational	MIL	
	FISKA	VOR/DME		111X	116.400	FSK	@410600N 230000E	150/500	150/500	500	Operational		
	IOANNINA	VOR/DME		23X	108.600	YNN	394200N 204900E	60/250	60/250	250	Operational		
	IRAKLION	TAC		20X		RKL	352000N 251400E			200/600	600	Operational	

GRC	IRAKLION	VOR/DME		108.800	25X	IRA	352100N 251100E		40/250	40/250	250	Operational	TVOR
	KALAMATA	ILS/DME	35	111.300	50X	IKTL	TRD 370500N 220100E	169	25/62.5	25/100	100	Operational	MIL
		TAC			99X	KLM	370400N 220200E			100/250	250	Operational	
		VOR/DME		112.600	73X	KAM	370400N 220200E		40/250	40/250	250	Operational	TVOR
	KARISTOS	VOR/DME		112.200	59X	KRO	380000N 243000E		100/500	100/500	500	Operational	
	KARPATOS	TAC			33X	RPA	352500N 271000E			40/250	250	Operational	
		VOR/DME		111.400	51X	KPC	352500N 270900E		200/500	200/500	500	Operational	
	KASTELI	ILS/DME	02	110.500	42X	IKAT	351100N 251900E		25/62.5	25/100	100	Assigned	MIL
		TAC			56X	KLI	351200N 252000E			150/500	500	Operational	
	KASTORIA	VOR/DME		114.500	92X	KAS	402700N 211700E		40/250	40/250	250	Operational	TVOR
	KAVALA/CHRISO												
	UPOLI	TAC			90X	KRP	405500N 243700E			100/280	280	Operational	
		VOR/DME		108.800	25X	KPL	405500N 243700E		40/250	40/250	250	Operational	TVOR
	KEA	VOR/DME		115.000	97X	KEA	@373400N 241800E		120/500	120/500	500	Operational	
	KEFALINIA	VOR/DME		115.500	102X	KFN	380700N 203000E		100/500	100/500	500	Operational	
							393600N 195500E						
	KERKIRA	GBAS		115.850		LGKR	Alt=1		23/100		100	Operational	GLASS EXPERIMENT/
		VOR/DME		108.800	25X	GAR	393600N 195500E		40/250	40/250	250	Operational	TVOR
				114.700	94X	KRK	392700N 200400E		100/500	100/500	500	Operational	TERRAIN
	KITHIRA	TAC			31X	KTR	361800N 225700E			200/600	600	Operational	
		VOR/DME		113.800	85X	KTH	361700N 230100E		50/250	50/250	250	Operational	
							364759N 270528E						
	KOS	GBAS		116.350		LGKO	Alt=126		23/100		100	Operational	GLASS EXPERIMENT/
		VOR/DME		109.000	27X	KOS	364700N 270500E		40/250	40/250	250	Operational	TVOR
	KOZANI	VOR/DME		109.600	33X	KOZ	401700N 215000E		40/250	40/250	250	Operational	TVOR
	LARISSA	ILS/DME	08	111.500	52X	ILIS	393900N 222700E		25/62.5	25/100	100	Assigned	MIL
		TAC			27X	LAR	393900N 223000E			100/250	250	Operational	
		VOR/DME		112.300	70X	LRS	393900N 222600E		40/250	40/250	250	Assigned	TVOR - MIL
	LESVOS	VOR/DME		114.200	89X	LSV	@391400N 262500E		100/500	100/500	500	Operational	
	LESVOS/MITILINI	VOR/DME		109.600	33X	MLN	390400N 263600E		40/250	40/250	250	Operational	TVOR
	LIMNOS	ILS/DME	04	110.700	44X	ILMO	TRD 395500N 252500E	223	25/62.5	25/100	100	Assigned	Planned
		TAC			95X	LMN	395600N 251500E			100/250	250	Operational	
		VOR/DME		109.200	29X	LMO	@395500N 251400E		100/500	50/200	500	Operational	DME DOC 50/200
	MARATHON/KOT												
	RONI	TAC			101X	KRN	380800N 235700E			50/100	100	Operational	
	MIKONOS	VOR/DME		110.000	37X	MKN	372600N 252100E		40/200	40/200	200	Operational	TVOR
	MILOS	VOR/DME		113.500	82X	MIL	@364500N 243100E		120/500	120/500	500	Operational	
	NEA ANCHIALOS	ILS/DME	26	110.900	46X	IANC	TRD 391300N 224600E	81	25/62.5	25/100	100	Operational	
		TAC			103X	ANL	391300N 224800E			100/250	250	Operational	
		VOR/DME		110.400	41X	AGH	391300N 224800E		40/250	40/250	250	Operational	TVOR
	PALEOHORA	VOR/DME		114.600	93X	PLH	@351300N 234100E		200/500	200/500	500	Operational	
	PAROS	DME			86Y	PAS	370100N 250700E			100/500	500	Assigned	
	PREVEZA/AKTIO												
	N	ILS/DME	07	110.900	46X	IPRV	TRD 385600N 204700E	248	25/62.5	25/100	100	Operational	

GRC	PREVEZA/AKTIO	TAC		29X	PRV	385700N 205200E		100/250	250	Operational			
		VOR/DME	110.000	37X	AKT	385600N 204600E	40/250	40/250	250	Operational	TVOR		
	RODOS	TAC		121X	ROD	362000N 280500E		150/250	250	Operational			
		VOR/DME	115.800	105X	RDS	362000N 280500E	200/500	200/500	500	Operational			
	RODOS/DIAGORAS	ILS/DME	25	110.950	46Y	IRDO	TRD 362400N 280400E	70	25/62.5	25/100	100	Assigned	2025 TO BECOME OF
		VOR/DME		108.600	23X	IRDS	TRD 362400N 280400E	70	25/62.5		62	Operational	
	RODOS/PARADISI	ILS	25	110.300		PAR	362400N 280400E		25/250	25/250	250	Operational	TVOR
		VOR/DME		108.600	23X	PAR	362400N 280400E		25/250	25/250	250	Operational	TVOR
	SAMOS	VOR/DME		111.600	53X	SAM	374100N 265400E		50/250	50/250	250	Operational	TVOR
		TAC			111X	SAN	362300N 252800E			70/250	250	Operational	
	SANTORINI	VOR/DME		110.400	41X	SNI	362400N 252900E		40/250	40/250	250	Operational	TVOR
		VOR/DME		112.900	76X	SHT	351300N 260600E		50/250	50/250	250	Operational	
	SITIA			113.300	80X	SIT	@350400N 261200E		200/500	200/500	500	Operational	
		VOR/DME		113.400	81X	SKP	391100N 233700E		150/500	150/500	500	Operational	
	SKOPELOS	VOR/DME			108X	SKY	385800N 242900E			70/250	250	Operational	
	SKYROS	TAC		112.800	75X	SKR	385000N 243500E		40/250	40/250	250	Assigned	TVOR - MIL
		VOR/DME		116.600	113X	SKS	385900N 242900E		40/250	40/250	250	Operational	TVOR
	STEFANOVIKION			112.900	76X	STV	392800N 224700E		50/250	50/250	250	Operational	TVOR - DME planned
		VOR/DME											
	TANAGRA	ILS/DME	28	111.500	52X	ITGR	TRD 382000N 233300E	102	25/62.5	25/100	100	Operational	MIL
		TAC			21X	TGR	382100N 233100E			100/250	250	Operational	
	THESSALONIKI	VOR/DME		111.800	55X	TGG	382000N 233300E		40/250	40/250	250	Operational	TVOR
		TAC			121X	MIK	@403200N 225900E			150/250	250	Operational	DOC change to sectc
	THESSALONIKI/VOR/DME	VOR/DME		112.100	58X	TSL	@402700N 225900E		150/500	150/500	500	Operational	
		GBAS		115.725		LGTS	403100N 225800E						
	THESSALONIKI/MAKEDONIA					IMAK	TRD 403100N 225900E	284	25/62.5	25/100	100	Operational	GLASS EXPERIMENT/
		ILS/DME	10	109.500	32X								
TRIPOLIS			110.300	40X	ITSL	TRD 403100N 225800E	346	25/62.5	25/100	100	Operational		
	VOR/DME	16	110.800	45X	MKR	403100N 225800E		40/250	40/250	250	Operational	TVOR	
ZAKINTHOS	VOR/DME		116.200	109X	TRL	@372400N 222000E		150/500	150/500	500	Operational		
	VOR/DME		110.800	45X	ZAK	374500N 205300E		40/250	40/250	250	Operational	TVOR	
HNG	ALL HUNGARY	TAC		112Y	HUD	ALL HUNGARY(LAND)			40/250	250	Operational	FOR NATO OPERATIC	
				26Y	HUJ	ALL HUNGARY(LAND)			40/250	250	Operational	FOR NATO OPERATIC	
				34X	HUB	ALL HUNGARY(LAND)			40/250	250	Operational	FOR NATO OPERATIC	
	BEKES BUDAPEST/FERIHEGY				54X	HUC	ALL HUNGARY(LAND)			40/250	250	Operational	FOR NATO OPERATIC
		VOR/DME		115.800	105X	BKS	464800N 210400E		100/500	100/500	500	Operational	
		ILS/DME	13L	109.150	28Y	BPL	TRD 472700N 191600E	312	25/62.5	25/100	100	Operational	
		13R	110.500	42X	FER	TRD 472600N 191500E	312	25/62.5	25/100	100	Operational		

HOL	ALL NETHERLANDS	TAC			26Y		ALL NETHERLAND(LAND)		40/250	250	Assigned			
					34X		ALL NETHERLAND(LAND)		40/250	250	Assigned	NOT USABLE IN A ZO		
					54X		ALL NETHERLAND(LAND)		40/250	250	Operational			
			VOR/DME		117.650	123Y	ANV	NETHERLAND(LAND)	100/500	100/500	500	Operational		
	AMSTERDAM		VOR/DME		108.400	21X	SPL	521956N 044500E	60/250	60/250	250	Operational		
	AMSTERDAM/SC													
	HIPHOL		ILS	06	111.100		SL	TRD 521800N 044700E	238	25/62.5	62	Assigned	To be discussed	
								TRD 521756N 044652E 521847N 044757E						
			ILS/DME	22	109.150	28Y	SCH	521848N 044755E	41	25/62.5	25/100	100	Operational	
								TRD 521900N 044440E 521909N 044731E						
				27	111.550	52Y	BVB	521911N 044731E	87	25/62.5	25/100	100	Operational	
								TRD 521826N 044703E 521723N 044432E						
				06	110.550	42Y	KAG	521722N 044433E	238	25/62.5	23/100	100	Operational	
							TRD 521800N 044414E 521943N 044417E							
			18C	109.500	32X	ZWA	521943N 044415E	3	25/62.5	25/100	100	Operational		
							TRD 521933N 044231E 522126N 044248E							
			18R	110.100	38X	VPB	522126N 044250E	3	25/62.5	25/100	100	Operational		
							TRD 522002N 044425E 521832N 044410E							
			36C	108.750	24Y	MSA	521832N 044408E	183	25/62.5	25/100	100	Operational	Extended GP - 15NM	
							TRD 521925N 044649E 521737N 044633E							
			36R	111.950	56Y	ABA	521737N 044630E	183	25/62.5	25/100	100	Operational		
		VOR/DME		113.950	86Y	AMS	521958N 044220E		60/250	60/250	250	Operational		
	DE KOOY	ILS/DME	21	108.900	26X	DKY	TRD 525505N 044629E 525529N 044647E	35	25/62.5	25/100	100	Operational		
	DE PEEL	TAC			53X	DPL	513100N 055100E			40/250	250	Operational	MIL	
	DEELEN	ILS/DME	20	108.700	24X	DNS	TRD 520245N 055154E 520403N 055227E Alt=18	21	25/62.5	25/100	100	Assigned		

HOL	DEELEN	ILS/DME TAC	02	108.700	24X 59X	DNN DLN	TRD 520300N 055500E 520326N 055221E	198	25/62.5	25/100 40/250	100 250	Operational Operational	Planned	
	DEN HELDER	VOR/DME		115.550	102Y	HDR	@525425N 044557E @530951N 064000E		120/250	120/250	250	Operational		
	EELDE	VOR/DME		112.400	71X	EEL	530950N 064000E		150/500	150/500	500	Operational		
	EINDHOVEN	ILS/DME	21	109.750	34Y	EHO	TRD 512615N 052137E 512722N 052302E	36	25/62.5	25/100	100	Operational		
	ENSCHEDÉ/TWENTEN			03	109.750	34Y 119X	EHZ EHV	TRD 512745N 052318E 512634N 052206E 512653N 052230E	216	25/62.5	25/100 40/250	100 250	Operational Operational	
			TAC											
			GBAS		115.000		EHTW	521631N 065302E		25/100		100	Assigned	Testing GBAS; slots A
	GILZE-RIJEN	ILS/DME TAC	28	111.900	56X 111X	GZO GZR	TRD 513411N 045435E 513354N 045642E 513358N 045601E	102	25/62.5	25/100 40/250	100 250	Operational Operational	Planned - Opposite F	
	GRONINGEN/EELDE	ILS/DME	23	109.900	36X	GRO	TRD 530635N 063329E 530720N 063515E	52	25/62.5	25/100	100	Operational		
	HAAMSTEDEN	VOR		114.150		HSD	514322N 035129E		80/500		500	Operational		
	HAASTRECHT	DME			118Y	FRT	520016N 044609E			70/450	450	Operational		
	LEEWARDEN	ILS/DME	23	111.750	54Y	LWO	TRD 531304N 054405E 531351N 054546E	56	25/62.5	25/100	100	Operational		
			27	109.750	34Y	LOB	TRD 531343N 054417E 531339N 054555E	94	25/62.5	25/100	100	Operational		
			05	111.750	54Y	LWZ	TRD 531359N 054617E 531318N 054428E	236	25/62.5	25/100	100	Operational		
			09	109.750	34Y 94X	WOL LWD	TRD 531343N 054620E 531340N 054443E 531325N 054507E	274	25/62.5	25/100 150/600	100 600	Operational Operational	Planned opposite RV	
	LELYSTAD/LELYSTAD	DME			51X	FRO	522709N 053029E			70/450	450	Operational		
		ILS/DME	23	108.550	22Y	ILSS	522704N 053040E		25/62.5	23/100	100	Operational		
			05	109.550	32Y	LSD	522700N 053000E		25/62.5	25/100	100	Assigned	Planned	
			05	108.550	22Y	ILSN	522730N 053129E		25/62.5	23/100	100	Operational		
MAASTRICHT	ILS/DME	21	111.550	52Y	BKN	TRD 505357N 054526E 505502N 054625E 505521N 054647E	33	25/62.5	25/100	100	Operational	ELEV. 375 FT		

HOL	MAASTRICHT	ILS/DME	03	111.550	52Y	BKZ	TRD 505519N 054650E	213	25/62.5	25/100	100	Operational	ELEV. 375 FT		
		VOR/DME		108.600	23X		MAS		505417N 054540E	40/250	40/250	250		Operational	
		PAMPUS		VOR/DME	117.800		125X		PAM	505521N 054647E	150/500	150/500		500	Operational
		REKKEN		VOR/DME	116.800		115X		RKN	505819N 055738E	80/500	80/500		500	Operational
	ROTTERDAM	ILS/DME	24	110.900	46X	RSV	TRD 515702N 042528E	57	25/62.5	23/100	100	Operational			
		VOR/DME		06	109.100		28X		ROS	TRD 515750N 042728E	25/62.5	23/100	100	Operational	
	SCHIPHOL-NORTH	GBAS		110.400	41X	EHDV	RTM		100/250	100/250	250	Operational			
				521800N 044413E	Alt=0		25/100		100	Assigned	SCHIPHOL GBAS NO				
	SCHIPHOL-SOUTH	GBAS		114.150		EHJB	521826N 044703E		25/100		100	Assigned	SCHIPHOL GBAS SO		
	SOESTERBERG	TAC			105X	SSB	520800N 051700E			40/250	250	Assigned	MIL		
	SPIJKERBOOR	VOR/DME		113.300	80X	SPY	@523225N 045114E		150/500	150/500	500	Operational			
	TWENTHE	ILS/DME	23	109.350	30Y	TWO	521700N 065300E		25/62.5	25/100	100	Assigned	Planned		
	VALKENBURG	TAC		44X			TWN	521700N 065400E			100/250	250	Operational		
		TAC		49X			VBG	521000N 042500E			100/400	400	Operational	MIL	
	VOLKEL	ILS/DME	06L	110.750	44Y	VLZ	TRD 513954N 054340E	240	25/62.5	25/100	100	Operational			
			24R	110.750	44Y		VLO		TRD 513858N 054116E	25/62.5	25/100	100	Operational		
		TAC			20X	VKL	513920N 054225E			200/600	600	Operational			
	WOENS DreCHT	ILS/DME	25	108.150	18Y	WDO	TRD 512641N 041925E	70	25/62.5	25/100	100	Operational			
			07	108.150	18Y		WDZ		TRD 512714N 042144E	25/62.5	25/100	100	Operational		
	TAC			97X	WDT	512643N 041950E			40/250	250	Operational				
HRV	BARNA	VOR/DME		117.400	121X	VBA	454452N 170848E	80/500	80/500	500	Operational				
	BRAC	DME			101Y		Alt=176					431657N 163721E	160/500	500	Assigned
	DUBROVNIK	VOR/DME		115.400	101X	DBK	Alt=780	423314N 181639E	80/500	80/500	500	Operational			
	DUBROVNIK/CILIPI	ILS/DME	11	110.100	38X	IDU	TRD 423317N 181705E	298	25/62.5	25/100	100	Assigned			
							423408N 181508E								

HRV	GORNJI ZEMUNIK	DME			30Y	GZE	440718N 153134E 454440N 153629E			150/600	600	Assigned	
	JAPETIC	DME			123Y	JAP	Alt=892 443057N 142928E			100/500	500	Assigned	
	LOSINJ	DME			21Y	LSJ	Alt=220 443359N 142328E			100/500	500	Assigned	
		VOR/DME		117.350	120Y	NTL	Alt=58 454126N 155933E	100/500		100/500	500	Operational	
	LUKAVEC MIKALJINI NATIONAL AERODROMES	DME			35Y	LUK	Alt=144			100/500	500	Operational	
		DME			43X	MKN	450112N 140722E			150/600	600	Assigned	
	AERODROMES	TAC			112Y		ALL CRAOTIA(LAND)			40/250	250	Operational	FOR NATO OPERATIC
			26Y				ALL CRAOTIA(LAND)			40/250	250	Operational	FOR NATO OPERATIC
			34X				ALL CRAOTIA(LAND)			40/250	250	Operational	FOR NATO OPERATIC
			54X				ALL CRAOTIA(LAND)			40/250	250	Operational	FOR NATO OPERATIC
	OSIJEK	DME			29Y	KLS	452758N 184732E Alt=96			150/500	500	Operational	
	OSIJEK/KLISA	ILS	29	111.500			TRD 452802N 184734E 452731N 184920E	111	25/62.5		62	Operational	
							TRD 452727N 184948E 452752N 184800E						
	PAG	ILS/DME	11	111.150	48Y		Alt=99	290	25/62.5	100/500	500	Assigned	
		DME			86Y		PAG			442652N 150425E	150/600	600	Assigned
	PETROVA GORA	DME			17Y	PTG	451845N 154826E			160/600	600	Assigned	
	PULA	ILS	27	111.500			TRD 445335N 135401E 445334N 135608E	88	25/62.5		62	Operational	
							445333N 135505E						
	RIJEKA	VOR/DME		111.250	49Y		Alt=66		100/500	100/500	500	Operational	
		VOR/DME		117.800	125X		451327N 143401E Alt=110		60/500	60/250	500	Operational	
RIJEKA/KRK I	ILS	14	108.500			TRD 451222N 143454E 451324N 143346E	324	25/62.5		62	Operational		
SISAK/PETRINJA SLJEME	DME			56Y		452800N 162600E			100/600	600	Assigned		
	DME			109Y		455426N 155807E 432948N 161817E			150/600	600	Assigned		
SPLIT	VOR/DME		115.700	104X		Alt=224 TRD 433252N 161850E 433158N 161721E		100/500	100/500	500	Operational		
SPLIT/KASTELA VODNJAN	ILS/DME	05	110.500	42X		Alt=41	233	25/62.5	75/250	250	Assigned		
	DME			52Y		VOD			445715N 135216E 440543N 152151E	100/600	600	Assigned	
ZADAR	VOR/DME		108.600	23X		Alt=85		100/500	100/500	500	Assigned	SUBJECT TO NO DET	

HRV	ZADAR/ZEMUNIK	ILS	13	110.100		IZD	TRD 440553N 152138E 440655N 152021E	316	25/62.5		62	Operational	
	ZAGREB	VOR/DME		113.700	84X	ZAG	455344N 161824E Alt=128		100/500	100/500	500	Operational	
	ZAGREB/FRANJO TUDJMAN	ILS	22	109.100		IZG	TRD 454347N 160255E 454504N 160441E	47	25/62.5		62	Assigned	
		ILS/DME	04	109.500	32X	IZA	TRD 454514N 160508E 454406N 160312E Alt=113	227	25/62.5	25/100	100	Assigned	
I	ALBENGA	ILS	27	108.900		LBN	TRD 440257N 080712E 440253N 080739E	89	25/62.5		62	Operational	
		VOR/DME		116.950	116Y	ALB	Alt=41		40/250	40/250	250	Operational	
	ALGHERO	VOR/TAC		113.800	85X	ALG	@403742N 081438E Alt=443		200/500	200/500	500	Operational	MIL
	ALGHERO/FERTI LIA	ILS/DME	20	110.150	38Y	IALF	TRD 403706N 081657E 403831N 081742E 403832N 081740E Alt=23,24	24	25/62.5	25/100	100	Operational	
		TAC			30X	AHO	403810N 081722E Alt=37			50/250	250	Operational	MIL
	ALL ITALY	VOR/DME		111.650	53Y	AEA	403817N 081730E Alt=23		40/250	40/250	250	Operational	
		ILS		108.500		ITA	ALL ITALY(LAND)(*)		25/62.5		62	Operational	
		TAC			112Y		ALL ITALY(LAND)			40/250	250	Assigned	MIL
					26Y		ALL ITALY(LAND)			40/250	250	Operational	MIL
					34X		ALL ITALY(LAND)			40/250	250	Operational	MIL
					38X		ALL ITALY(LAND)			40/250	250	Operational	MIL
					54X		ALL ITALY(LAND)			40/250	250	Assigned	MIL
		VOR/DME		112.000	57X	ITA	ALL ITALY(LAND)		40/250	40/250	250	Assigned	
	AMENDOLA	ILS/DME	29	108.300	20X	IMND	413244N 154144E 413214N 154332E		25/62.5	25/100	100	Assigned	MIL
		TAC			99Y	MNL	413252N 154123E Alt=65			40/250	250	Operational	MIL
ANCONA	VOR/DME		110.650	43Y	ANC	433511N 132816E Alt=261		100/500	100/500	500	Operational		
ANCONA/FALCO NARA	ILS/DME	22	111.900	56X	IFA	TRD 433621N 132052E 433719N 132220E 433718N 132221E Alt=15,10	43	25/62.5	25/100	100	Operational		
	TAC			35X	FAL	433437N 131758E			200/600	600	Operational	MIL	
AOSTA	ILS/DME	27	109.750	34Y	IAOS	TRD 454423N 072230E Alt=546	88	25/62.5	25/100	100	Operational		
	VOR/DME		109.250	29Y	SCS	454445N 072019E Alt=770		25/250	25/250	250	Operational		

I	AQUILA/PRETUR O AVIANO	DME ILS/DME	05	109.500	81Y	AQP	422228N 131829E	25/62.5	50/250	250	Assigned	Planned	
					32X	AVI	Alt=671			25/100	100	Assigned	MIL USA
		TAC			111X	AVI	460200N 123600E 460140N 123513E		40/250	250	Operational	MIL USA	
	BARI/PALESE	GBAS		117.550		BRP	410813N 164501E	23/100		100	Assigned		
		ILS/DME	07	111.350	50Y	BAP	Alt=30 TRD 410835N 164637E 410813N 164501E 410814N 164501E	247	25/62.5	25/63	63	Operational	
		VOR/DME		116.400	111X	BAR	Alt=30		80/250	80/250	250	Operational	
	BERGAMO/ORIO AL SERIO	ILS/DME	28	108.700	24X	IBRM	TRD 454018N 094113E 453959N 094314E 454000N 094314E	104	25/62.5	25/100	100	Assigned	
		VOR/DME		111.050	47Y	BRL	454023N 094054E		60/250	60/250	250	Operational	
				114.950	96Y	BEG	454010N 094233E		40/250	40/250	250	Operational	
	BIELLA	VOR/DME		116.100	108X	BLA	Alt=240 452939N 080602E		25/250	40/250	250	Operational	
	BOLOGNA/BOR. PANIGALE	ILS/DME	30	109.750	34Y	IBBP	Alt=277 TRD 443232N 111613E 443201N 111752E 443202N 111753E	115	25/62.5	25/100	100	Operational	
	BOLOGNA/BORG O PANI	VOR/DME		117.100	118X	BOA	Alt=35,36 @443213N 111726E		50/400	120/400	400	Operational	
	BOLOGNA/BORG O PANIGALE	ILS/DME	12	108.900	26X	IBLN	Alt=35 TRD 443145N 111821E 443224N 111650E 443224N 111651E	295	25/62.5	25/100	100	Operational	
	BOLZANO	ILS/DME	01	109.100	28X	IBZ	Alt=35,34 TRD 462720N 111941E 462721N 111941E	197	30/62.5	30/250	250	Operational	
		VOR/DME		117.050	117Y	OZE	Alt=235 462419N 111732E		40/250	40/250	250	Operational	
	BRESCIA/MONTI CHIARI	ILS/DME	32	110.550	42Y	IBS	Alt=636 TRD 452621N 101859E 452518N 102020E	134	25/62.5	25/100	100	Operational	
		VOR/DME		115.650	103Y	BSM	Alt=109,101 452621N 101910E		60/250	60/250	250	Assigned	Planned
				117.700	124X	BSA	Alt=108 452617N 101858E		40/250	40/250	250	Operational	TVOR DOPPLER

I	BRINDISI/CASALE	ILS/DME	31	109.550	32Y	IBRN	TRD 404039N 175524E 403930N 175641E Alt=11,8	134	25/62.5	60/150	150	Operational	
		VOR/DME		113.550	82Y	BCS	403930N 175705E Alt=2		120/250	120/250	250	Operational	
	CAGLIARI/ELMAS	ILS/DME	32	109.500	32X	IEL	TRD 391543N 090231E 391436N 090340E 391437N 090341E Alt=1	137	25/62.5	25/100	100	Operational	
		VOR/DME		113.400	81X	CAG	@391456N 090315E Alt=4		60/400	60/400	400	Operational	
	CAMERI	ILS/DME	35	108.150	18Y	ICAM	TRD 453245N 083952E 453116N 084014E	167	25/62.5	100/0	62	Operational	MIL
		TAC			97X		CAM			453413N 083927E @420726N 122254E		40/250	
	CAMPAGNANO	VOR/DME		111.400	51X	CMP	Alt=428 384521N 162208E		70/250	70/250	250	Operational	
	CARAFFA	VOR/TAC		117.300	120X	CDC	Alt=980 @390641N 093029E		200/600	200/600	600	Operational	MIL
	CARBONARA	VOR/DME		115.100	98X	CAR	Alt=44 TRD 372805N 150455E 372753N 150330E 372752N 150330E		130/500	130/500	500	Operational	
	CATANIA/FONTANAROS	ILS/DME	08	109.900	36X	CTN	Alt=6,7 372752N 150344E	262	25/62.5	25/100	100	Operational	
		VOR/DME		116.250	109Y	CTF	Alt=5		200/500	200/500	500	Operational	
	CERVIA	ILS/DME	11	110.350	40Y	CER	TRD 441400N 121800E	294	25/62.5	25/100	100	Operational	MIL
		TAC			83X		CEV			441223N 122126E 450416N 121653E		40/250	
	CHIOGGIA	VOR/DME		114.100	88X	CHI	Alt=0		80/500	80/500	500	Operational	
	COMISO	ILS	05	108.950		ICMS	TRD 370016N 143719E 365921N 143604E	228	25/62.5		62	Operational	
		VOR/DME		81Y	COM		365906N 143541E 385912N 170458E 390013N 170449E 390012N 170451E			40/250		40/250	
	CROTONE	ILS/DME	35	111.150	48Y	ICRT	Alt=156,158 385946N 170459E		25/62.5	25/100	100	Assigned	Planned
		VOR/DME		118X	CRN		Alt=158 TRD 443212N 073649E 443314N 073738E			150/600		150/600	
	CUNEO/LEVALDIGI	ILS	21	110.950		LEV	Alt=388,373	32	25/62.5		62	Operational	
	DECIMOMANNU	ILS/DME	35R	109.950	36Y	IDEC	TRD 392209N 085809E	347	25/62.5	25/64	64	Operational	MIL

I	DECIMOMANNU	TAC			19X	DEC	392252N 085756E Alt=34		200/600	600	Operational	MIL	
	ELBA	VOR/TAC		114.700	94X	ELB	424350N 102345E Alt=413	200/600	200/600	600	Operational	MIL	
	FIRENZE/PERET OLA	ILS/DME	05	110.300	40X	IFZ	TRD 434856N 111249E 434831N 111202E 434831N 111201E Alt=45,38	226	25/62.5	25/100	100	Assigned	
		VOR/DME		112.500	72X	PRT	434835N 111202E Alt=38		50/250	50/250	250	Operational	
	FOGGIA	VOR/DME		115.800	105X	FGG	412546N 153153E Alt=85		40/250	40/250	250	Operational	
	FORLI	ILS	12	109.700		FOR	TRD 441120N 120513E 441152N 120334E Alt=29	295	25/62.5		62	Operational	
		ILS/DME	12	110.700	44X	IFOR	TRD 441100N 120500E TRD 441204N 120313E 441126N 120443E 441125N 120443E	295	25/62.5	25/100	100	Assigned	Planned
			30	109.550	32Y	IFRL	Alt=30,27 441137N 120404E	115	25/62.5	25/100	100	Assigned	Planned
		VOR/DME		115.750	104Y	FOL	Alt=28		40/250	40/250	250	Operational	
	FROSINONE	VOR/DME		115.600	103X	FRS	413833N 131732E Alt=182		50/250	50/250	250	Operational	MIL
	GENOVA	VOR/DME		112.800	75X	GEN	442528N 090456E Alt=888		60/450	60/450	450	Operational	
	GENOVA/SESTRI	ILS/DME	28	109.300	30X	GSE	TRD 442500N 084922E 442432N 085112E Alt=3,2	107	25/62.5	25/100	100	Operational	
		VOR/DME		108.600	23X	SES	442502N 084925E Alt=2		40/250	40/250	250	Operational	
	GHEDI	ILS/DME	31	110.150	38Y	IGD	452633N 101510E 452532N 101631E 452530N 101629E		25/62.5	25/100	100	Assigned	MIL
		MLS/DME			20Y		452600N 101600E 452623N 101551E	546		23/100	100	Assigned	MIL OP
		TAC			46X	GHE	Alt=114			150/600	600	Operational	MIL
	GIOIA DEL COLLE	ILS	32L	109.950		IGDL	TRD 404642N 165507E 404523N 165627E Alt=361	140	25/62.5		62	Assigned	MIL
		TAC			125X	GIO	404805N 165405E Alt=377			150/600	600	Operational	MIL
					36Y	GDL	404523N 165627E Alt=361			100/300	300	Assigned	
		VOR/DME		113.350	80Y	GDC	404645N 165516E Alt=345		80/100	80/100	100	Assigned	MIL

I	GRAZZANISE	TAC			122X	GRA	@410336N 140519E Alt=16			200/600	600	Operational	MIL	
	GROSSETO	ILS/DME	03	111.150	48Y	GRS	TRD 424626N 110452E 424537N 110439E	211	25/62.5	25/100	100	Assigned		
		VOR/TAC		109.850	35Y	GRO	424539N 110438E		40/250	40/250	250	Operational	MIL	
	ISTRANA	ILS/DME	08	111.300	50X	IIS	TRD 454057N 120403E 454104N 120556E	260	25/62.5	25/64		64	Operational	
							TRD 385426N 161334E 385411N 161503E 385410N 161503E							
	LAMEZIA/TERME	ILS/DME	28	110.300	40X	LAM	Alt=4,10	96	25/62.5	25/100	100	Operational		
		VOR/DME		112.500	72X	LMT	Alt=14 TRD 352947N 123624E 352945N 123625E		25/100	25/100	100	Operational		
	LAMPEDUSA	ILS/DME	26	111.300	50X	ILMA	Alt=14,13 352959N 123751E 353001N 123753E	79	25/62.5	25/100	100	Operational		
	LATINA	VOR/DME		108.600	23X	LPD	Alt=21,19		80/400	80/400	400	Operational		
		ILS/DME	12	110.350	40Y	ILAI	413200N 125500E 413228N 125505E		25/62.5	25/100	100	Assigned	MIL	
		VOR/DME		111.200	49X	LAT	Alt=18		60/250	60/250	250	Operational		
	LECCE	ILS/DME	32	111.750	54Y	GAL	TRD 401400N 180800E 401450N 180751E	323	25/62.5	25/100	100	Operational	MIL	
		VOR/TAC		112.800	75X	LCC	Alt=60 TRD 452733N 091632E 452613N 091634E 452613N 091633E		40/250	40/250	250	Operational	MIL	
	MILANO/LINATE	ILS/DME	36	109.550	32Y	ILNT	Alt=108,103 452741N 091631E 452740N 091631E 452740N 091628E 452741N 091628E	175	25/62.5	25/100	100	Operational		
		VOR/DME		112.250	59Y	LIN	Alt=109 TRD 453911N 084338E 453707N 084419E 453708N 084420E		50/250	50/250	250	Operational		
	MILANO/MALPE NSA	ILS/DME	35	109.900	36X	MLP	Alt=235,211 TRD 453648N 084417E 453822N 084358E 453822N 084359E	168	25/62.5	25/100	100	Operational		
			17L	110.750	44Y	IMSL	Alt=208,225	348	25/62.5	25/100	100	Operational		

I	PALERMO/PUNTA RAIS	ILS/DME	20	110.550	42Y	ITO	TRD 380954N 130506E 381053N 130533E 381053N 130532E Alt=12,5	22	25/62.5	25/100	100	Operational	
			25	109.500	32X	RAI	TRD 381025N 130505E 381100N 130701E 381059N 130701E Alt=8,18,20	65	25/62.5	25/100	100	Operational	
	PALERMO/PUNTA RAISI	VOR/DME		113.000	77X	PRS	381019N 130448E Alt=4		40/250	40/250	250	Operational	
		GBAS		114.275		PPS	381000N 130500E		25/100		100	Assigned	
	PANTELLERIA	ILS/DME	26	110.900	46X	IPTL	TRD 364849N 115718E 364901N 115828E 364900N 115828E Alt=185,180	75	25/62.5	25/100	100	Operational	
		VOR/DME		116.100	108X	PAN	364852N 115757E Alt=181		100/500	100/500	500	Operational	
	PARMA	ILS/DME	20	110.500	42X	IPR	TRD 444856N 101732E 444955N 101751E 444955N 101750E Alt=50,44	16	25/62.5	25/100	100	Operational	
	PERDASDEFOGU	TAC			27X	PED	394009N 092636E Alt=619			40/250	250	Operational	MIL
	PERUGIA	ILS/DME	01	110.950	46Y	IPE	TRD 430638N 123106E 430525N 123046E 430525N 123048E Alt=213,204	193	25/62.5	25/250	250	Operational	
						IPER	TRD 430638N 123106E 430525N 123046E 430525N 123048E Alt=213,204	193	25/62.5	25/250	250	Assigned	
		VOR/DME		109.400	31X	PRU	430606N 123043E Alt=209		50/250	50/250	250	Operational	
	PESCARA	ILS/DME	22	110.700	44X	IPS	TRD 422517N 141022E 422613N 141113E 422613N 141112E Alt=14,9	36	25/62.5	25/100	100	Operational	
						IPSC	TRD 422517N 141022E 422613N 141113E 422613N 141112E Alt=14,9	36	25/62.5	25/100	100	Operational	
		VOR/DME		115.900	106X	PES	422609N 141103E Alt=9		80/500	80/500	500	Operational	
	PIACENZA	TAC			121X	PIA	445502N 094314E Alt=138			40/250	250	Operational	MIL

I	PISA/SAN GIUSTO	ILS/DME	04R	108.700	24X	PSS	TRD 434150N 102430E 434033N 102317E	220	25/62.5	25/25	62	Assigned	MIL
		TAC			20X	PIN	434313N 102556E Alt=13			40/250	250	Operational	MIL
		VOR/DME		112.100	58X	PIS	@434038N 102326E Alt=5		80/500	60/500	500	Operational	MIL
	PONZA PRATICA DI MARE	VOR/TAC		114.600	93X	PNZ	405443N 125727E Alt=198		200/600	200/600	600	Operational	MIL
		ILS/DME	31	109.550	32Y	PRA	414000N 122600E 413718N 122938E		25/62.5	25/100	100	Assigned	MIL
	REGGIO CALABRIA	TAC			24X	TPR	Alt=31			40/250	250	Operational	MIL
		ILS/DME	33	109.300	30X	REG	TRD 380245N 153952E Alt=84	197	25/62.5	25/100	100	Operational	
	RIMINI	VOR/DME		111.000	47X	RCA	@380436N 153843E Alt=18		80/250	80/250	250	Operational	
		DME			109X 25X	RIM RMN	440054N 123700E 440101N 123716E			40/250 45/250	250 250	Operational Assigned	
	RIVOLTO	ILS	31	109.300		MIR	TRD 440151N 123534E 440100N 123715E Alt=7	126	25/62.5		62	Operational	MIL
		ILS/DME	31	111.100	48X	IMIR	TRD 440152N 123533E 440100N 123717E Alt=7	126	25/62.5	45/250	250	Operational	
		VOR/TAC		116.200	109X	RIM	440055N 123700E Alt=17,10		40/250	40/250	250	Operational	MIL
	ROMA/CIAMPINO	TAC			37X	RIV	455945N 130518E Alt=71			40/250	250	Operational	MIL
		ILS/DME	15	110.550	42Y	ICIA	TRD 414719N 123608E 414819N 123522E Alt=134,105	330	25/62.5	25/100	100	Assigned	
	ROMA/FIUMICINO	VOR/DME		110.800	45X	RMC	414817N 123517E Alt=109		40/250	40/250	250	Operational	
		ILS/DME	25	110.150	38Y	FEE	TRD 414755N 121347E 414836N 121555E 414836N 121554E Alt=4,1	68	25/62.5	25/100	100	Operational	
				108.500	22X	FNN	TRD 414813N 121634E 415003N 121542E 414927N 121554E Alt=1	341	25/62.5	25/100	100	Operational	
				108.100	18X	IFLL	TRD 414833N 121637E 415037N 121551E Alt=1,3	341	25/62.5	25/100	100	Operational	ID IFLL AND DME PLF
				109.750	34Y	IFRR	TRD 414643N 121430E 414844N 121334E Alt=1,2	341	25/62.5	25/100	100	Operational	PLANNED 2013

I	ROMA/FIUMICIN O	ILS/DME	34C	108.500	22X	FCC	TRD 415053N 121526E 414854N 121622E 414927N 121554E Alt=4,1	161	25/62.5	25/100	100	Operational		
			34L	108.900	26X	IFSW	TRD 414907N 121330E 414704N 121416E 414704N 121415E Alt=1	161	25/62.5	25/100	100	Operational		
			34R	111.550	52Y	FSS	TRD 415058N 121536E 414856N 121634E 414856N 121635E Alt=5,1	161	25/62.5	25/100	100	Operational		
		VOR/DME		114.900	96X	OST	@414814N 121415E Alt=2		150/500	150/500	500	Operational		
		RONCHI DE LEGIONARI	ILS/DME	08	110.750	44Y	RNC	TRD 454940N 132928E 454946N 132715E Alt=11,10	268	25/62.5	25/100	100	Operational	
		RONCHI DEI LEGIONARI	VOR/DME		114.200	89X	RCH	454947N 132849E Alt=12		40/250	40/250	250	Operational	
		SALERNO/PONT ECAGNANO	VOR/DME		110.450	41Y	PTC	403712N 145430E Alt=32		40/250	40/250	250	Operational	TVOR
		SARONNO SIGONELLA	VOR/DME GBAS		113.700 113.950	84X	SRN SGN	453845N 090118E Alt=232 372400N 145500E		100/500 100/600	100/500	500 600	Operational Assigned	MIL USAF
			ILS/DME TAC	10R	108.150	18Y 49X	INSY NSY	TRD 372400N 145700E 372400N 145500E 372345N 145816E	276	25/62.5	28/100 40/250	100 250	Operational Assigned	MIL USAF MIL USAF
						53X	SIG	Alt=25		200/600	600	Operational	MIL	
		SORRENTO	VOR/DME		112.200	59X	SOR	@403457N 142007E Alt=497		120/500	120/500	500	Operational	
		TARANTO/GROTT AGLIE	ILS/DME	35	108.350	20Y	ITGT	TRD 403140N 172402E 403007N 172420E 403007N 172419E Alt=61	166	25/62.5	25/100	100	Operational	
			TAC			115X	GRT	402921N 172439E Alt=65			40/250	250	Operational	MIL M.M.
			VOR/DME		110.200	39X	TAG	403035N 172429E Alt=61		25/100	25/100	100	Operational	
		TARQUINIA	VOR/DME		111.800	55X	TAQ	421254N 114357E Alt=17		40/250	40/250	250	Operational	
	TEANO	VOR/DME		112.900	76X	TEA	@411748N 135814E Alt=995		100/500	150/500	500	Operational		
	TORINO/CASELL E	ILS/DME	36	108.700	24X	ITOC	TRD 451311N 073903E 451130N 073903E 451130N 073904E Alt=303,286,285	182	25/62.5	25/100	100	Operational		

I	TORINO/CASELL	TAC			27X	CLL	451138N 073910E 451311N 073858E		40/250	250	Operational	MIL	
		VOR/DME		116.750	114Y	CSL	Alt=305 @445531N 075142E	45/250	45/250	250	Assigned		
	TORINO/POIRINO	VOR/DME		114.500	92X	TOP	Alt=248 TRD 375516N 122820E 375428N 122945E	200/600	200/600	600	Operational		
	TRAPANI/BIRGI	ILS/DME	31L	110.950	46Y	TRA	Alt=2,12 375345N 123048E	126	25/62.5	25/100	100	Operational	MIL
		VOR/TAC		108.800	25X	TRP	Alt=29 460113N 110824E		80/500	200/500	500	Operational	MIL
	TRENTO/MATTARELLO	VOR/DME		115.350	100Y	TNT	Alt=298 454115N 120701E		40/250	40/250	250	Operational	
	TREVISO/ISTRANZA	TAC			80X	ISA	Alt=40			220/600	600	Assigned	MIL
	TREVISO/S. ANGELO	DME			22Y	TEV	453851N 121101E			60/150	150	Operational	
		ILS	07	109.300		TRE	TRD 453911N 121241E 453849N 121103E	247	25/62.5		62	Operational	MIL
		ILS/DME	07	108.150	18Y	ITRE	TRD 453911N 121241E 453849N 121103E	247	25/62.5	60/150	150	Assigned	planned 2022
	TREVISO/S.ANGELO	VOR/DME		114.350	90Y	TVS	453900N 121124E 453333N 093026E		60/250	60/250	250	Assigned	planned 2021
	TREZZO VARESE/VENEGONO	VOR/DME		117.250	119Y	TZO	Alt=153		60/500	60/500	500	Operational	
		ILS/DME	36	108.750	24Y	IVE	454400N 085300E TRD 453107N 122209E 452943N 122230E 452942N 122031E		25/62.5	25/100	100	Assigned	Planned
	VENEZIA/TESSERA	ILS/DME	04	109.950	36Y	VTS	Alt=1,2 453109N 122206E	220	25/62.5	25/100	100	Operational	
		VOR/DME		115.300	100X	TES	Alt=2 TRD 452428N 105421E 452326N 105242E 452325N 105242E		40/250	40/250	250	Operational	
	VERONA/VILLAFRANCA	ILS/DME	04	111.750	54Y	IVRN	Alt=68,86 452429N 105422E 452430N 105424E	224	25/62.5	25/100	100	Operational	
		VOR/TAC		115.800	105X	VIL	Alt=72 453814N 114035E		60/400	60/400	400	Operational	MIL
	VICENZA	VOR/DME		113.400	81X	VIC	Alt=58,56 415446N 160257E		80/500	80/500	500	Assigned	
	VIESTE	VOR/DME		112.600	73X	VIE	Alt=303 445752N 085813E		80/500	80/500	500	Assigned	
	VOGHERA	VOR/DME		110.450	41Y	VOG	Alt=105		40/250	40/250	250	Assigned	

IRL	CARRICKFINN	ILS/DME	21	110.300	40X	IFN	TRD 550216N 082043W 550238N 082022W	20	25/62.5	25/100	100	Operational	No GP?
	CASEMENT	ILS/DME	10	109.350	30Y	IB	TRD 531803N 062621W 531811N 062754W	282	25/62.5	25/250	250	Operational	MIL
		VOR/DME		115.800	105X	BAL	531800N 062652W TRD 535428N 085019W 535439N 084820W 535434N		80/350	80/350	350	Operational	
	CONNAUGHT	ILS/DME	26	110.700	44X	ICK	084902W	79	25/62.5	25/100	100	Operational	
		VOR/DME		117.400	121X	CON	535429N 084912W		100/500	100/500	500	Operational	
	CORK	VOR/DME		114.600	93X	CRK	515026N 082939W TRD 514950N 082905W 515050N		80/500	80/500	500	Operational	
	CORK/CORK	ILS/DME	16	109.900	36X	ICS	082948W TRD 515105N 082949W 515006N	340	25/62.5	25/100	100	Operational	
	DUBLIN	VOR/DME	34	109.150	28Y	ICN	082921W	160	25/62.5	25/100	100	Operational	
				114.900	96X	DUB	@532958N 061826W TRD 532506N 061454W 532603N		150/500	150/500	500	Operational	
	DUBLIN/DUBLIN	ILS/DME	16	111.500	52X	IAC	061543W TRD 532604N 061401W 532617N	337	25/62.5	25/100	100	Operational	
			10L	109.550	32Y	INDL	061632W TRD 532512N 061441W 532516N	274	25/62.5	25/100	100	Operational	Ident Change
			10R	108.900	26X	IDE	061706W TRD 532522N 061744W 532510N	275	25/62.5	25/100	100	Operational	Updated Runway De:
			28L	111.350	50Y	IDW	061518W TRD 532615N 061721W 532611N	95	25/62.5	25/100	100	Operational	Updated Runway De:
			28R	110.150	38Y	INDR	061458W	94	25/62.5	25/100	100	Operational	Ident Change
	GLENTTEIGE	VOR/DME DME		111.200	49X 88Y	DAP GTG	532525N 061810W 525111N 060844W		150/350	150/350 200/550	350 550	Operational Operational	ELEVATION SITE 971
	GORMANSTON	DME			76X	GMN	533848N 061406W TRD 521038N 093230W 521102N 093053W 521056N			60/250	250	Operational	
	KERRY MOHERCROM	ILS/DME DME	26	108.700	24X 91X	IKR MCM	093128W 535437N 065405W TRD 524129N 085650W 524232N	71	25/62.5	25/100 200/550	100 550	Operational Operational	ELEVATION SITE 115
	SHANNON/SHA NNON	ILS/DME	24	110.950	46Y	ISW	085448W	52	25/62.5	25/100	100	Operational	

IRL	SHANNON/SHA		06	109.500	32X	ISE	TRD 524245N	232	25/62.5	25/100	100	Operational		
	NNON	ILS/DME					085408W 524147N							085623W
		VOR/DME												524316N 085307W
	SLIGO	DME		27X	SLG	541646N 083600W			25/250	250	Operational			
							TRD 521039N							
							070535W 521123N							
							070514W 521120N							
	WATERFORD	ILS/DME	21	110.900	46X	IWD	070502W	21	25/62.5	25/100	100	Operational		
	WESTON	VOR/DME		114.700	94X	WST	532110N 062938W		30/100	30/100	100	Operational		
	WOLFTRAP	DME			110X	WTP	530545N 073529W			200/550	550	Operational		
ISL	AKUREYRI	VOR/DME		113.600	83X	AKI	654600N 180100W		100/500	100/500	500	Operational		
	INGO	VOR/DME		112.400	71X	ING	634800N 163900W		100/500	100/500	500	Operational		
	KEFLAVIK	VOR/DME		111.200	49X	KEF	635900N 223700W		100/500	100/500	500	Operational		
ISR	ALL ISRAEL	ILS		111.100			ALL ISRAEL(LAND)(*)		25/62.5		62	Operational	Planned	
		TAC			106X		ALL ISRAEL(LAND)			40/250	250	Operational	TEST	
					87X		ALL ISRAEL(LAND)			40/250	250	Operational	MOBILE	
		VOR/TAC		113.700	84X		ALL ISRAEL(LAND)		40/250	40/250	250	Operational	TEST	
				114.900	96X		ALL ISRAEL(LAND)		40/250	40/250	250	Operational	MOBILE	
				115.800	105X		ALL ISRAEL(LAND)		40/250	40/250	250	Operational	MOBILE	
	BEER SHEBA	VOR/DME		114.300	90X	BSA	Alt=213		40/500	40/500	500	Operational		
	BET-MEIR	DME			57X	LOT	314735N 350229E			50/300	300	Assigned		
	METZADA	VOR/DME		115.000	97X	MZD	312000N 352300E		50/500	40/500	500	Operational		
							322002N 345808E							
	NATANIA/OLESH	VOR/DME		112.400	71X	MZD	Alt=30		200/500	200/500	500	Operational		
	OVDA	ILS/DME	21	109.700	34X	VA	TRD 295635N 345557E	23	25/62.5	20/100	100	Operational		
		VOR/DME		114.100	88X	OVD	295659N 345611E		25/100	25/100	100	Operational	TVOR	
							295800N 345800E							
	RAMON (TIMNA)	ILS/DME	19	110.500	42X	RB	TRD 294232N 350032E	13	25/62.5	25/100	100	Operational		
			01	108.700	24X	RC	TRD 294418N 350102E	193	25/62.5	25/100	100	Operational		
		VOR/DME		113.850	85Y	RAM	294418N 350102E		200/500	200/500	500	Operational		
							325857N 353422E							
	ROSH-PINA	VOR/DME		115.300	100X	ROP	Alt=274		20/500	20/500	500	Operational		
	TEL AVIV/BEN													
	GURIO	VOR/DME		115.400	101X		320000N 345300E		100/500	100/500	500	Operational		
	TEL-AVIV/BEN-													
	GURION													
	AIRPORT	ILS/DME	12	110.300	40X	BG	320042N 345208E		25/62.5	25/100	100	Operational		
							Alt=42							
			21	109.700	34X	BN	TRD 315954N 345349E	34	25/62.5	25/100	100	Operational		
							Alt=40							
			26	108.700	24X	BA	320042N 345112E		25/62.5	25/100	100	Operational		
			30	111.900	56X	BD	Alt=49		25/62.5	25/100	100	Operational		
							320038N 345307E		25/62.5	25/100	100	Operational		

ISR	TEL-AVIV/BEN-GURION	ILS/DME	08	110.900	46X	BC	TRD 320108N 345405E Alt=49	256	25/62.5	25/100	100	Operational
	ZOFAR	VOR/DME		115.600	103X	ZFR	303332N 350943E Alt=60		40/500	100/500	500	Operational
KAZ	AKTAU	ILS/DME	12	109.500	32X	IAU	TRD 435202N 510445E 435053N 510700E	123	25/62.5	25/100	100	Operational
			30	111.100	48X	ITA	TRD 435219N 510355E 435119N 510617E	303	25/62.5	25/100	100	Operational
			113.300	80X	AKT	435131N 510602E 435220N 510352E		100/500	100/500	500	Operational	
								100/500	100/500	500	Operational	
	AKTOBE	ILS/DME	13	111.700	54X	IAT	TRD 501349N 571348E 501513N 571126E	135	25/62.5	25/100	100	Operational
			31	110.500	42X	ITU	TRD 501545N 571049E 501413N 571258E	315	25/62.5	25/100	100	Operational
			113.400	81X	AKB	501548N 571055E		100/500	100/500	500	Operational	
ALMATY	ILS/DME	05L	109.100	28X	IMA	TRD 432224N 770439E 432059N 770139E 432059N 770439E	56	25/62.5	25/100	100	Operational	
		05R	110.300	40X	ILM	TRD 432207N 770422E 432031N 770118E	56	25/62.5	25/100	100	Operational	
		23L	108.100	18X	IAL	TRD 432207N 770422E 432019N 770043E 432139N 770336E	236	25/62.5	25/100	100	Operational	
ARKALYK	VOR/DME	23R	111.300	50X	IAA	TRD 432038N 770105E 432211N 770402E	236	25/62.5	25/100	100	Operational	
			116.400	111X	ATA	432236N 770503E		100/500	100/500	500	Operational	
	VOR/DME		113.000	77X	ARK	501905N 670119E		100/500	100/500	500	Operational	
ATYRAU	ILS/DME	14	109.900	36X	ITY	TRD 470620N 515003E 470751N 514839E	150	25/62.5	25/100	100	Operational	
		32	108.300	20X	IAY	TRD 470820N 514821E 470644N 514936E	330	25/62.5	25/100	100	Operational	
AYAGUZ	VOR/DME		112.300	70X	ATR	470838N 514805E		100/500	100/500	500	Operational	
BALKHASH	VOR/DME		113.600	83X	AGZ	475552N 802659E		100/500	100/500	500	Operational	
BEINEU	VOR/DME		113.700	84X	BLH	465259N 745902E		100/500	100/500	500	Operational	
JARKENT	VOR/DME		115.000	97X	BNU	452023N 550721E		100/500	100/500	500	Operational	
	VOR/DME		114.800	95X	JRK	441344N 795719E		100/500	100/500	500	Operational	

KAZ	KARAGANDA	ILS/DME	23	111.700	54X	IKA	TRD 493937N 731823E 494040N 732115E	238	25/62.5	25/100	100	Operational
		VOR/DME	05	109.900 113.400	36X 81X	IRG KRG	TRD 494103N 732159E 493949N 731909E 494112N 732145E	58	25/62.5 100/500	25/100 100/500	100 500	Operational Operational
	KOKSHETAU	ILS/DME	20	109.500	32X	IKW	TRD 531841N 693435E 532017N 693623E	212	25/62.5	25/100	100	Operational
		VOR/DME	02	110.300 115.500	40X 102X	IOT KTU	TRD 532052N 693650E 531918N 693522E 532103N 693701E	32	25/62.5 100/500	25/100 100/500	100 500	Operational Operational
	KOSTANAY	ILS/DME	15	111.700	54X	IKT	TRD 531121N 633343E 531253N 633230E	157	25/62.5	25/100	100	Operational
		VOR/DME	33	110.700 114.800	44X 95X	INA KST	TRD 531329N 633212E 531157N 633311E 531113N 633346E	337	25/62.5 100/500	25/100 100/500	100 500	Operational Operational
	KYZYLORDA	ILS/DME	05	111.100	48X	IKZ	TRD 444259N 653658E 444202N 653447E	61	25/62.5	25/100	100	Operational
		VOR/DME		112.700	74X	KZO	444145N 653349E		100/500	100/500	500	Operational
	NOVOKAZALINS K	VOR/DME		113.600	83X	NKZ	454952N 620739E		100/500	100/500	500	Operational
	NUR-SULTAN	ILS/DME	22	111.700	54X	IAK	TRD 510019N 712621E 510151N 712854E	225	25/62.5	25/100	100	Operational
		VOR/DME	04	109.500 114.400	32X 91X	IMO AST	TRD 510225N 712937E 510046N 712712E 510006N 712600E	45	25/62.5 100/500	25/100 100/500	100 500	Operational Operational
	PAVLODAR	ILS/DME	21	110.700	44X	IPW	TRD 521054N 770310E 521202N 770504E	223	25/62.5	25/100	100	Operational
		VOR/DME		114.000	87X	PVL	521235N 770542E		100/500	100/500	500	Operational
	PETROPAVLOVS K	ILS/DME	23	108.300	20X	IPT	TRD 544600N 690911E 544641N 691209E	246	25/62.5	25/100	100	Operational
		VOR/DME		112.500	72X	PSK	544703N 691309E		100/500	100/500	500	Operational
	SEMEY	ILS/DME	26	110.300	40X	ISP	TRD 502059N 801214E 502104N 801445E	264	25/62.5	25-10-2024	62	Operational
	SHYMKENT	ILS/DME	10	111.700	54X	IEN	TRD 422134N 693005E 422202N 692731E	106	25/62.5	25/100	100	Operational

KAZ	SHYMKENT	ILS/DME	28	110.300	40X	IIM	TRD 422213N 692702E 422137N 692925E	286	25/62.5	25/100	100	Operational	
		VOR/DME		113.000	77X	SMK	422220N 692631E		100/500	100/500	500	Operational	
	TALDYKORGAN	VOR/DME		116.100	108X	TDK	450622N 782548E		100/500	100/500	500	Operational	
	TARAZ	ILS/DME	13	109.700	34X	IMB	TRD 425024N 711914E 425148N 711720E	137	25/62.5	25/100	100	Operational	
		VOR/DME		115.900	106X	TRZ	425214N 711654E		100/500	100/500	500	Operational	
	URALSK	ILS/DME	22	109.700	34X	IUR	TRD 510825N 513111E 510926N 513326E	232	25/62.5	25/100	100	Operational	
		VOR/DME		111.300	50X	ISK	TRD 510949N 513403E 510843N 513158E		52	25/62.5	25/100	100	Operational
			04	114.200	89X	URL	510855N 513238E			100/500	100/500	500	Operational
	UST-KAMENOGORSK	ILS/DME	12	111.700	54X	IUS	TRD 500122N 823107E 500236N 822907E	131	25/62.5	25/100	100	Operational	
		VOR/DME		109.700	34X	ISI	TRD 500249N 822828E		311	25/62.5	25/100	100	Operational
			30	115.000	97X	UKM	500158N 823030E			100/490	100/490	490	Operational
	ZHEZKAZGAN	ILS/DME	22	110.700	44X	IGN	TRD 474150N 674259E 474249N 674502E	232	25/62.5	25/100	100	Operational	
		VOR/DME		113.300	80X	DZG	474311N 674530E		100/500	100/500	500	Operational	
LTU	ALL LITHUANIA	TAC			112Y		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
					26Y		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
					34X		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
					40Y		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
					44Y		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
					50X		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
					54X		ALL LITHUANIA(LAND)			40/250	250	Assigned	MIL
	KAUNAS	ILS/DME	26	109.900	36X	ISE	TRD 545745N 240322E 545749N 240600E Alt=78	85	25/62.5	25/100	100	Operational	
		VOR/DME		109.500	32X	IKM	TRD 545755N 240649E 545743N 240408E Alt=74		265	25/62.5	25/100	100	Operational
			08	114.400	91X	KNA	545737N 240359E			100/500	100/500	500	Operational

LTU	KLAIPEDA	VOR/DME		113.900	86X	KLA	554300N 211500E	60/500	60/500	500	Operational		
				115.000	97X							KLP	554256N 211437E
	PALANGA	DME			95X	PLG	Alt=22		100/500	500	Operational		
			ILS/DME	19	110.100			38X				IAN	Alt=13
	SIAULIAI	ILS/DME	14L	108.300	20X	ISZ	Alt=136	326	25/62.5	25/100	100	Assigned	DME added
				32R	108.700								
		TAC			104X	SLA	555400N 232400E		100/600	600	Assigned	MIL	
		VOR/DME		115.200	99X	SQQ	555326N 232409E		100/500	500	Operational		
					116X	SLI	555400N 232400E		100/600	600	Assigned	MIL	
		VOR/DME			99X	SAU	555245N 232459E	100/500	80/500	500	Operational	DVOR. Modification -	
	VILNIUS	ILS/DME	19	109.100	28X	IBK	Alt=198	22	25/62.5	25/100	100	Operational	
				01	110.500								42X
		VOR/DME		113.800	85X	VNO	543810N 251737E		100/500	100/500	500	Operational	
	VILNIUS-PABERZE	DME			119Y	PBZ	Alt=158		100/500	500	Operational		
	VILNIUS-SEMELISKES	DME			72X	SML	544031N 244132E		100/500	500	Operational		
	VILNIUS-VALKININKAI	DME			114X	VLK	542103N 244813E		100/500	500	Operational		
LUX	DIEKIRCH	VOR/DME		114.400	91X	DIK	@495141N 060747E		100/500	100/500	500	Operational	
	LUXEMBOURG/LUXEMBO	ILS/DME	24	110.700	44X	ILW	TRD 493659N 061103E 493759N 061359E	60	25/62.5	25/100	100	Operational	
			06	109.900	36X	ILE	TRD 493819N 061438E 493704N 061128E	240	25/62.5	25/100	100	Operational	L
	DAUGAVPILS	VOR/DME		112.250	59Y	LUX	493822N 061450E		60/250	60/250	250	Operational	
LVA		VOR/DME		114.100	88X	DGP	555650N 264032E		170/460	150/460	460	Operational	
	JAUNSVIRLAUKS	DME			37X	JVL	563017N 235541E		160/500	500	Operational	For PBN implementa	
	LIELVARDE	ILS/DME	18	111.500	52X	LDE	TRD 564644N 245114E	180	25/62.5	25/100	100	Operational	MIL
		VOR/TAC		108.600	23X	LLR	564532N 245057E		60/100	60/100	100	Operational	MIL
	LIEPAJA	ILS/DME	24	108.550	22Y	LPJ	TRD 563043N 210410E 563114N 210624E	70	25/62.5	25/100	100	Operational	
		VOR/DME		116.950	116Y	LEP	563046N 210505E		150/600	150/600	600	Operational	DVOR

LVA	RAISKUMS	DME			33Y	RSK	571839N 250915E			160/500	500	Operational	For PBN implementa
	RIGA	ILS/DME	18	111.100	48X	IRV	TRD 565404N 235803E 565556N 235814E	5	25/62.5	25/100	100	Operational	
			36	108.100	18X	IRP	TRD 565625N 235826E 565433N 235801E	185	25/62.5	25/100	100	Operational	
			TAC		112Y	MIL	ALL LATVIA 2014 TAC(Latvia FIR),ALL LATVIA 2014(Latvia FIR)			40/250	250	Operational	MIL Mobile TAC
					26Y	MIL	ALL LATVIA 2014 TAC(Latvia FIR),ALL LATVIA 2014(Latvia FIR)			40/250	250	Operational	MIL Mobile TAC
					34X	MIL	ALL LATVIA 2014 TAC(Latvia FIR),ALL LATVIA 2014(Latvia FIR)			40/250	250	Operational	MIL Mobile TAC
					54X	MIL	ALL LATVIA 2014 TAC(Latvia FIR),ALL LATVIA 2014(Latvia FIR)			40/250	250	Operational	MIL Mobile TAC
			VOR/DME	112.050	57Y	RIA	565515N 235755E		195/500	150/500	500	Operational	RIGA airport Will be
				114.000	87X	RIA	565515N 235755E		160/500	160/500	500	Operational	RIGA airport
		RUDBARZI	DME		45X	RDB	563821N 215334E			160/500	500	Operational	For PBN implementa
	TRAKSHI	VOR/DME	112.900	76X	LBN	564624N 262108E		170/460	150/460	460	Operational		
	TUKUMS	ILS/DME	13	110.300	40X	TKS	TRD 565552N 231430E 565658N 231254E	319	25/62.5	25/100	100	Operational	Airport under develop
			31	110.300	40X	TMS	TRD 565600N 231300E	139	25/62.5	25/100	100	Operational	Airport under develop
	VENTSPILS	VOR/DME		112.300	70X	TUK	565550N 231424E		100/500	100/500	500	Operational	
		VOR/DME		117.850	125Y	VEN	572042N 213138E		170/500	150/500	500	Operational	
MDA	CHISINAU	ILS/DME	26	109.900	36X	ILD	TRD 465538N 285416E 465538N 285704E	88	25/62.5	25/100	100	Operational	
			08	110.300	40X	IRG	TRD 465542N 285728E 465535N 285443E	268	25/62.5	25/100	100	Operational	
	MKD	VOR/DME		113.700	84X	KIV	465534N 285416E		200/400	200/400	400	Operational	DVOR
		OHRID	DME		17X	IZD	412035N 204914E			30/150	150	Operational	
	OHRID/OHRID	ILS	01	108.900		MOH	TRD 411136N 204453E 411018N 204414E	198	25/62.5		62	Operational	
		VOR/DME		112.500	72X	OHR	411021N 204411E		60/250	60/250	250	Operational	DVOR
	PRILEP	DME			84Y	PEP	412016N 212655E			80/500	500	Operational	
	SINKO	VOR/DME		111.450	51Y	SIN	415851N 222156E		80/500	80/500	500	Operational	

MKD	SKOPJE/PETROV EC	ILS/DME	34	108.700	24X	MSK	TRD 415830N 213700E	165	25/62.5	25/100	100	Operational	DIRECTIVE DME
		VOR/DME		112.800	75X		SKJ		415711N 213723E	50/150			
MLT	MALTA/LUQA	ILS/DME	13	109.700	34X	LQ	TRD 355001N 143026E	315	25/62.5	25/40	62	Operational	
									355114N 142849E				
MNE	PODGORICA	VOR/DME	31	110.500	42X	LM	355113N 142849E	135	25/62.5	25/40	62	Operational	
		VOR/DME		115.700	104X		GZO		Alt=110,120				
		VOR/DME		113.000	77X	POD	TRD 355134N 142831E		250/500	250/500	500	Operational	
	PODGORICA/GO LUBOVCI	ILS	36	109.900		YUI	355010N 143006E	184	25/62.5		62	Operational	
	TIVAT/TIVAT	ILS/DME	32	111.300	50X	TIV	355010N 143005E						
MRC	AGADIR/AL MASSIRA	ILS/DME	27	110.300	40X	ADA	TRD 422223N 191512E	92	25/62.5	25/63	63	Operational	
		VOR/DME		117.200	119X		ADM		422101N 191509E	200/500			
	AL HOCEIMA/C. EL IDRIS	ILS/DME	17	110.300	40X	ALH	TRD 422345N 184429E	353	25/62.5	30/100	100	Assigned	
		VOR/DME		115.000	97X		ALM		TRD 301923N				
	BEN SLIMANE	VOR/DME		117.450	121Y	BNS	092552W 301916N		200/500	200/500	500	Operational	
	BENGUERIR	VOR/DME		115.400	101X	BGR	092355W		200/500	200/500	500	Assigned	
	BOUARFA	VOR/DME		117.000	117X	BRF	301919N 092300W		200/500	200/500	500	Operational	
	CASABLANCA/M OHAMMED V	DME			116X	CBA	323051N 020150W			150/500	500	Operational	
		ILS/DME	35L	110.700	44X	INL	TRD 332310N	164	25/62.5	25/50	62	Operational	
						073554W 332111N							
		VOR/DME	35R	109.900	36X	INR	073520W		25/62.5	25/50	62	Operational	
		VOR/DME		115.100	98X	CBL	TRD 332327N		150/500	200/500	500	Assigned	
	DAKHLA	ILS/DME	03	109.100	28X	DKL	073546W 332116N	203	25/62.5	25/100	100	Assigned	
		VOR/DME		115.800	105X		DKH		073506W				
	ERRACHIDIA/M. ALI CHERIF	ILS/DME	31	109.300	30X	ERR	TRD 234400N	125	25/62.5	25/100	100	Operational	
		VOR/DME		117.100	118X	ERA	155530W 234232N			200/500			

MRC	ESSAOUIRA/MO																
	GADOR	VOR/DME		109.000	27X	MGR	312348N 094105W		200/500	200/500	500	Assigned					
				112.700	74X				ESS	312404N 094113W	200/500	200/500		500	Operational		
	FES/SAISS	ILS/DME	27	109.700	34X	LFA	045759W	90	25/62.5	25/100	100	Assigned					
				115.700	104X				FES	335539N 050049W	60/500	60/500		500	Operational		
	GUELMIM	VOR/DME		114.300	90X	GLM	290038N 100409W		200/500	200/500	500	Operational	DME NATIONAL				
	LAAYOUNE/HAS SAN 1ER	ILS/DME	02	110.700	44X	AUN	131410W	197	25/62.5	25/100	100	Operational	50W L				
				112.100	58X				LAY	270834N 131305W	40/250	40/250		250	Operational		
				113.500	82X				LAN	270707N 131416W	200/460	200/460		460	Assigned		
	MAHBAS	ILS/DME	36	108.500	22X	MBS	091403W	180	25/62.5	25/63	63	Assigned					
				112.000	57X				MHB	274218N 091402W	200/500	200/500		500	Assigned		
	MARRAKECH/ME NARA	ILS/DME	10	109.700	34X	MAR	080257W	276	25/62.5	25/100	100	Operational					
				113.300	80X				MAK	313646N 080611W	150/500	150/500		500	Operational		
	NADOR/ELAROUJ	ILS/DME	08	108.700	24X	TZN	030224W	258	25/62.5	25/100	100	Operational					
				116.000	107X				ARI	345912N 030145W	100/500	100/500		500	Operational		
	OUARZARZATE	ILS/DME	30	110.300	40X	IRZ	065351W	117	25/62.5	25/100	100	Operational					
				116.700	114X				OZT	305624N 065416W	200/500	200/500		500	Operational		
	OUJDA/ANGADS	ILS/DME	13	108.100	18X	ANG	344831N 015655W		25/62.5	25/100	100	Assigned					
				06	110.100				38X	ODA	015602W	238		25/62.5	25/100	100	Operational
					VOR/DME				115.650	103Y	VDO	344857N 015738W			150/500	150/500	500
	RABAT/SALE	ILS/DME	21	110.900	46X	RS	064431W	31	25/62.5	25/100	100	Operational					
				VOR/DME	116.500				112X	RBT	340300N 064447W	60/250		60/250	250	Operational	
	SIDI SLIMANE	VOR/DME		114.750	94Y	SMN	341407N 063908W		200/500	200/500	500	Assigned					
	SMARA	VOR/DME		108.200	19X	SMR	264351N 114113W		200/500	150/500	500	Assigned					
	TANGER/IBN BATOUTA	VOR/DME		108.050	17Y	TNR	354403N 055509W		150/500	200/500	500	Assigned					
	TANGER/IBN- BATTOUTA	ILS/DME	28	109.300	30X	TAG	354300N 055700W		25/62.5	25/100	100	Operational					
				VOR/DME	112.300				70X	TNN	282542N 111023W	200/500		200/500	500	Operational	

MRC	TETOUAN/SANIA						TRD 353517N 051954W 353607N						
	TRMEL	ILS/DME	25	110.100	38X	ITN	051758W	65	25/62.5	30/100	100	Assigned	
		VOR/DME		117.300	120X	TTN	353542N 051929W		60/500	60/500	500	Operational	
	ZAGORA	VOR/DME		114.600	93X	ZAG	301534N 055008W		150/500	200/500	500	Assigned	
NOR	AALESUND/VIGR						TRD 623317N 060503E 623348N 060715E						
	A	ILS/DME	24	111.950	56Y	VGR	623349N 060715E	65	25/62.5	25/100	100	Operational	
		VOR/DME		115.800	105X	VIG	623307N 060204E		25/62	25/100	100	Operational	
	ALL NORWAY	DME				UAT	595810N 110620E ALL NORWAY(LAND)			15/100	100	Operational	UAT FIS-B
		TAC					ALL NORWAY(LAND)			40/250	250	Operational	
							ALL NORWAY(LAND)			40/250	250	Operational	
							ALL NORWAY(LAND)			40/250	250	Operational	
							ALL NORWAY(LAND)			40/250	250	Operational	
	ALTA	ILS/DME	11	108.900	26X	AT	TRD 695819N 232330E 695852N 232109E	301	25/62.5	25/100	100	Operational	
		VOR/DME		117.400	121X	ATA	695839N 232218E 695839N 232219E		60/500	60/500	500	Operational	
	ANDOYA	ILS/DME	14	109.350	30Y	AN	TRD 691701N 160931E 691700N 160900E 691701N 160933E	330	25/62.5	25/100	100	Operational	
TAC				28X	OYA	691711N 160840E			200/600	600	Operational		
VOR/DME			112.200	59X	AND	691716N 160829E		200/500	200/500	500	Operational		
BAATSFJORD	GBAS		115.000		ENBS	703559N 294112E		23/100		100	Operational		
	ILS/DME	21	111.100	48X	BT	TRD 703547N 294052E 703500N 294000E 703605N 294156E	44	25/62.5	25/100	100	Operational	No GP	
BANAK	ILS/DME	16	109.350	30Y	BK	TRD 700316N 245837E 700300N 245800E 700420N 245837E	355	25/62.5	25/100	100	Operational		
		34	108.300	20X	BA	TRD 700458N 245813E 700335N 245845E 700335N 245844E	175	25/62.5	25/100	100	Operational		
	TAC			47X	BNK	700356N 245812E			100/250	250	Operational		
	VOR/DME		114.400	91X	BNA	701035N 245654E		60/250	60/250	250	Operational		
BARDUFOSS	ILS/DME	10	110.300	40X	DU	TRD 690305N 183436E 690300N 183300E 690303N 183435E	289	25/62.5	25/100	100	Operational		

NOR	BARDUFOSS	ILS/DME	28	108.700	24X	BF	TRD 690327N 183058E	109	25/62.5	25/100	100	Operational					
		TAC			81X		690308N 183342E						690244N 183511E	200/600	600	Operational	
		VOR/DME			89X		690354N 182758E						40/500	40/500	500	Operational	
	BERGEN/FLESLAND	ILS/DME	17	109.900	36X	BR	TRD 601644N 051323E	350	25/62.5	25/100	100	Operational					
					35		110.500						42X	BG	601708N 051310E	170	25/62.5
	BERLEVAG	VOR/DME			102Y	FLS	TRD 601827N 051248E						Operational				
		GBAS			114.300		102Y							ENBV	601708N 051309E	170	25/62.5
	BLAAENGA BODO	ILS/DME	24	110.900	46X	BV	TRD 705210N 290044E	75	25/62.5	25/100	100	Operational					
		DME			99X		705200N 290100E						75	25/62.5	25/100	100	Operational
		TAC			45X		603918N 114344E						75	25/62.5	25/100	100	Operational
		VOR/DME			122Y		671558N 142142E						75	25/62.5	25/100	100	Operational
	BODO/BODO	ILS/DME	25	108.700	24X	BD	TRD 705222N 290211E						Operational				
					07		110.300							40X	BO	671600N 142154E	200/500
	BROENNOEYSUND	ILS/DME	25	108.700	24X	BD	TRD 671622N 142416E	78	25/62.5	25/100	100	Operational					
					07		110.300						40X	BO	671621N 142329E	78	25/62.5
BRONNOY ERTSRUDBERGET	GBAS	07	110.300	40X	ENBN	TRD 671621N 142415E	258	25/62.5	25/100	100	Operational						
				114.050		40X						ENBN	652739N 121312E	23/100	23/100	100	Operational
	ILS/DME			04		111.150						48Y	BY	TRD 652754N 121330E	219	25/62.5	25/100
BRONNOY ERTSRUDBERGET	VOR/DME			100X	BNN	652720N 121231E						Operational					
	DME			109Y		652725N 121251E							219	25/62.5	25/100	100	Operational
EVENES	VOR/DME			100X	BNN	652725N 121252E						Operational					
	DME			109Y		601657N 113251E											
FLESLAND	ILS/DME	17	108.900	26X	EV	TRD 682834N 164047E	358	25/62.5	25/100	100	Operational						
	TAC			67X		683003N 164028E						358	25/62.5	25/100	100	Operational	
	VOR/DME			120Y		683003N 164029E						358	25/62.5	25/100	100	Operational	
FLESLAND	TAC			92X	EVS	682929N 164030E						Operational					
				92X		682726N 164055E											
FLESLAND	VOR/DME			120Y	EVD	682726N 164054E						Operational					
	TAC			92X		FLE							@601800N 051249E				
FLESLAND	ILS	07	108.900		FL	TRD 613506N 050157E	251	25/62.5				Operational					
				07		108.900								FL	613500N 050200E	251	25/62.5

NOR	FLORO FORDE/BRINGEL AND	VOR/DME		112.300	70X	FLO	613454N 050113E	40/500	40/500	500	Operational		
		GBAS		113.500		ENBL	612342N 054537E	23/100		100	Operational		
		ILS/DME	25	109.350	30Y	FD	TRD 612318N 054438E 612300N 054500E 612318N 054437E	74	25/62.5	25/100	100	Operational	
	GUNNARBERGET HAMMERFEST	DME				116X	GUN	773857N 150446E		160/500	500	Operational	
		GBAS	05	112.600			ENHF	704036N 233936E	23/100		100	Operational	
		ILS/DME	23	110.700	44X		HF	TRD 704036N 233919E 704100N 233900E 704033N 233928E	56	25/62.5	25/100	100	Operational
	HASVIK	VOR/DME		112.400	71X		HA	TRD 704036N 233918E 704038N 233913E 704215N 234126E		25/62.5	25/100	100	Operational
		GBAS		115.500			HMF	704215N 234127E	100/500	100/500	500	Operational	
		ILS/DME	29	111.500	52X		ENHK	702913N 220833E	23/100		100	Operational	
	HAUGESUND/KA RMOY	ILS/DME	13	109.100	28X		VK	TRD 702912N 220810E 702909N 220832E 702923N 220757E	119	25/62.5	25/100	100	Operational
		ILS/DME	26	108.100	18X		HV	TRD 592009N 051338E 592053N 051204E 592100N 051209E	314	25/62.5	25/100	100	Operational
	HONNINGSVAAG HUMMELFJELL JAN MAYEN	TAC			83X		HUM	TRD 710033N 255831E 710100N 255800E 710033N 255830E	90	25/62.5	25/100	100	Operational
		DME			24X		JAN	622557N 111606E 705600N 083900W		200/600	200/500	600	Operational
	KARMOEY KIRKENES	VOR/DME		115.150	98Y		KRM	592048N 051206E 592048N 051207E	50/400	50/400	400	Operational	
VOR/DME			112.000	57X		KIK	694326N 295209E	60/500	60/500	500	Operational		
KIRKENES/HOYB UKTMOEN	ILS/DME	24	110.300	40X		KR	TRD 694318N 295141E 694332N 295406E	69	25/62.5	25/100	100	Operational	
KRISTIANSAND/ KJEVIK	ILS/DME	21	110.900	46X		KJ	TRD 581145N 080428E 581232N 080536E	35	25/62.5	25/100	100	Operational	

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NOR	KRISTIANSAND/ KJEVIK	ILS/DME	03	110.350	40Y	CN	TRD 581245N 080547E 581155N 080449E 581155N 080448E	215	25/62.5	25/100	100	Operational	
	KRISTIANSUND/ KVERN	ILS/DME	07	110.100	38X	KB	TRD 630659N 075115E 630635N 074857E 630634N 074857E	251	25/62.5	25/100	100	Operational	
	KVERNBERGET LEKNES	VOR/DME GBAS		113.800 112.600	85X	KVB ENLK	630705N 074839E 630705N 074838E 680922N 133636E		100/500 23/100	100/500	500 100	Operational Operational	
	LISTA MEHAMN	ILS/DME TAC GBAS	02	108.500 116.900	22X 30X	LK LST ENMH	TRD 680857N 133610E 680900N 133600E 680858N 133610E 580605N 063733E 710153N 274952E	208	25/62.5	25/100 200/250	100 250 100	Operational Operational Operational	
	MESNALI	ILS/DME VOR/DME	17	109.500 114.400	32X 91X	MH MES	TRD 710135N 274928E 710200N 275000E 710135N 274927E 610559N 103834E	2	25/62.5 100/500	25/100 100/500	100 500	Operational Operational	
	MO I RANA/ROSSVOL L	ILS/DME	31	111.300	50X	RA	TRD 661939N 141740E 662000N 141800E 661939N 141741E	140	25/62.5	25/100	100	Operational	
	MOLDE	ILS/DME	25	109.100	28X	ME	TRD 624456N 071703E 624400N 071700E 624438N 071543E	71	25/62.5	25/100	100	Operational	
	MOSJOEN MOSJOEN/KJAER STAD	TAC GBAS	07	109.750 115.500	34Y 86X	ML MOS ENMS	TRD 624456N 071718E 624434N 071520E @655240N 131831E 654657N 131306E	251	25/62.5	25/100 200/600	100 600 100	Operational Operational Operational	
	NAMSOS	ILS/DME DME GBAS	34 07	110.700 116.600	44X 22X	MS NA ENNM	TRD 654646N 131314E 654800N 131200E 654646N 131316E 642816N 113358E 642817N 113353E	160	25/62.5	25/100 25/100	100 100 100	Operational Operational Operational	
	NORDLISKAMPE N NORTH SEA	DME DME			103X 102X 108X 83Y 97Y	NLK SPA TRL GFC HEI	602828N 105907E 582200N 015425E 603843N 034326E 611253N 021625E 651932N 071857E			50/150 60/250 40/100 60/250 60/100	150 250 100 250 100	Operational Operational Operational Operational Operational	PLATFORM SLEIPNEF PLATFORM TROLL PROD.PLATF. GULLF. PLATF. HEIDRUN

NOR	NOTODDEN NY AALESUND OFFSHORE INSTALL.(NORTH SEA)	ILS/DME	12	110.700	44X	NT	TRD 593411N 091218E	307	25/62.5	25/100	100	Operational	ConocoPhillips platfr								
		DME			72X		NAL							593410N 091218E	100/100	100	Operational				
		DME			100X 111Y		EKO UL							563232N 031325E Alt=0 570640N 025051E	100/85 100/500	85 500	Operational Operational				
	ORLAND	ILS/DME	15	109.300	30X	OL	TRD 634104N 093712E	334	25/62.5	25/100	100	Operational									
		TAC			33		108.300							20X 51X	ORD ORL	TRD 634253N 093512E 634124N 093641E 634124N 093640E @634052N 093725E	154	25/62.5	25/100 200/600	100 600	Operational Operational
	ORSTA-VOLDA OSLO/GARDERM OEN	ILS/DME	06	111.500	52X	HN	TRD 620948N 060123E	240	25/62.5	25/100	100	Operational		Circling approach							
		GBAS					113.050									ENGM	601149N 110722E	23/100	100	Operational	In use for test purpos
		ILS/DME	01L	110.300	40X	OBW	TRD 601311N 110538E	196	25/62.5	25/100	100	Operational									
					01R		111.950							56Y	ONE	TRD 601218N 110729E	196	25/62.5	25/100	100	Operational
					19L		110.550							42Y	GME	TRD 601019N 110620E	16	25/62.5	25/100	100	Operational
					19R		111.300							50X	GSW	TRD 601056N 110419E	16	25/62.5	25/100	100	Operational
		VOR/DME		115.950	106Y	GRM	601130N 110427E 601130N 110428E		60/250	60/250	250	Operational									
		ROROS RORVIK	ILS/DME	31	108.700	24X	RO	TRD 623445N 112011E	136	25/62.5	25/100	100		Operational							
			GBAS		115.600		ENRM	623430N 112101E 623429N 112055E							23/100	100	Operational				
	VOR/DME		112.700		74X	RVK	645014N 110820E 645015N 110848E	40/250					40/250		250	Operational					
	ROST	GBAS		116.100		ENRS	673133N 120617E		23/100	100	Operational										
	RYGGE	ILS/DME	30	109.100	28X	RY	TRD 592308N 104534E	117	25/62.5	25/100	100	Operational									
		TAC				82X	RYG						592227N 104755E @592211N 104840E	200/600	600	Operational					

NOR	SANDANE/ANDA	ILS/DME	26	108.300	20X	AD	TRD 614947N 060643E 615000N 060700E 614946N 060642E	84	25/62.5	25/100	100	Operational
	SANDNESSJOEN	GBAS		114.300		ENST	655722N 122813E		23/100		100	Operational
	SEIDA	ILS	20	109.900		ST	TRD 655739N 122830E 655800N 122900E	25	25/62.5		62	Operational
	SIGDAL	VOR/DME		113.600	83X	SDA	701403N 280413E		60/500	60/500	500	Operational
	SKAGEN	VOR/DME		117.700	124X	SIG	600054N 093748E		100/500	100/500	500	Operational
	SKOLTEN	VOR/DME		112.800	75X	SKG	683442N 150206E		60/250	60/250	250	Operational
		DME			96X	SKO	780858N 163930E			160/500	500	Operational
	SOGNDAL	ILS/DME	24	108.100	18X	SG	TRD 610924N 070835E 610927N 070822E	59	25/62.5	25/100	100	Operational
			06	108.500	22X	SGD	TRD 610919N 070751E 610900N 070800E 610920N 070751E	239	25/62.5	25/100	100	Operational
		VOR/DME		114.200	89X	SOG	610901N 070935E		100/500	100/500	500	Operational
	SOLA	ILS/DME	36	111.350	50Y	SL	TRD 585342N 053814E 585226N 053824E	179	25/62.5	25/100	100	Operational
		TAC			59Y	SOA	585233N 053807E			200/600	600	Operational
	SORKJOSEN	ILS/DME	15	109.300	30X	SR	TRD 694727N 205704E 694700N 205700E 694728N 205701E	334	25/62.5	25/100	100	Operational
	STAVANGER/SOL A	ILS/DME	18	110.300	40X	ZV	TRD 585201N 053817E 585325N 053821E	359	25/62.5	25/100	100	Operational
	STOKKA	VOR/DME		116.850	115Y	ZOL	@585230N 053824E 585230N 053825E		150/500	150/500	500	Operational
	STOKMARKNES/ SKAGEN	VOR/DME		112.000	57X	STO	655738N 122810E		60/250	60/250	250	Operational
		GBAS		115.700		ENSK	683455N 150128E		23/100		100	Operational
		ILS/DME	27	109.550	32Y	SK	TRD 683448N 150238E 683500N 150300E 683448N 150237E	91	25/62.5	25/100	100	Operational
	STORD	ILS/DME	14	110.100	38X	SRD	TRD 594722N 052034E 594700N 052000E 594722N 052033E	325	25/62.5	25/100	100	Operational
		VOR/DME		113.400	81X	STD	594714N 052039E 594714N 052040E		40/150	40/150	150	Operational

NOR	SVALBARD/LON		ILS/DME	10	110.300	40X	LB	TRD 781435N 153113E		285	25/62.5	25/100	100	Operational	
	GYEAR							781449N 152540E							
				28	109.500	32X	LA	TRD 781450N 153035E		105	25/62.5	25/100	100	Operational	
								781500N 153100E							
	SVALBARD/SVEA		DME			122X	VEA	775135N 163900E				100/500	500	Operational	
	SVENSHEIA		VOR/DME		112.100	58X	SVA	@580504N 075430E		250/500		250/500	500	Operational	
	SVOLVAER		GBAS		114.800		ENSH	681428N 143949E		23/100			100	Operational	
			ILS/DME	01	110.500	42X	SV	TRD 681445N 144019E		192	25/62.5	25/100	100	Operational	
	TOLGA							681500N 144000E							
	TORFJELLET							681419N 143950E							
			VOR/DME		117.400	121X	TGA	622742N 105244E		60/250		60/250	250	Operational	
			DME			103X	TOF	783852N 155822E				160/500	500	Operational	
	TORP		ILS/DME	18	108.300	20X	TRP	TRD 591021N 101532E		359	25/62.5	25/100	100	Operational	
			591142N 101521E												
		VOR/DME	36	110.950	46Y	SFJ	TRD 591201N 101530E		179	25/62.5	25/100	100	Operational		
							591043N 101536E								
							591042N 101538E								
TROMSO		VOR/DME		113.850	85Y	TOR	591009N 101533E		100/500		100/500	500	Operational		
		VOR/DME		113.800	85X	TRO	694210N 185948E		100/500		100/500	500	Operational		
TROMSO/LANGNES		ILS/DME	19	109.900	36X	TR	TRD 694015N 185438E		13	25/62.5	25/100	100	Operational		
ES							694118N 185512E								
			01	110.900	46X	TC	TRD 694146N 185539E		193	25/62.5	25/100	100	Operational		
							694028N 185455E								
TRONDHEIM/VAERNES		ILS/DME	27	109.900	36X	TD	TRD 632728N 105303E		90	25/62.5	23/100	100	Operational		
							632731N 105603E								
			09	110.300	40X	TO	TRD 632727N 105652E		270	25/62.5	25/100	100	Operational		
							632731N 105351E								
TYNSET		ILS	23	109.150		TST	TRD 622359N 102657E		23	1/62.5		87	Operational	ONLY FOR TEST - BY .	
VADSO		GBAS		115.600		ENVD	622358N 102659E								
		ILS/DME	07	108.700	24X	VD	TRD 700356N 295144E		267	25/62.5	25/100	100	Operational		
							700400N 295200E								
VAERNES		TAC			33X	VAE	700355N 295255E				40/250	250	Operational		
							632719N 105402E						Operational		

NOR	VARDEFJELL	VOR/DME		113.300	80X	VFL	655246N 131829E		60/500	60/500	500	Operational		
	VARDO	GBAS		116.200		ENSS	702111N 310239E		23/100		100	Operational		
		VOR/DME		114.100	88X	VRD	702128N 310250E		40/150	40/150	150	Operational		
POL	VOLLO ALL POLAND	VOR/DME		114.850	95Y	VOO	603256N 050744E		50/400	50/400	400	Operational		
		TAC			112Y		ALL POLLAND(LAND)			40/250	250	Operational	LAND MOBILE	
						26Y		ALL POLLAND(LAND)			40/250	250	Operational	LAND MOBILE
						34X		ALL POLLAND(LAND)			40/250	250	Operational	LAND MOBILE
	AUGUSTOW BIALA	VOR/DME		113.200	79X	GUS	534846N 224320E		100/500	100/500	500	Assigned	planned 2024	
		DME				120Y	BIA	511735N 155519E			100/500	500	Assigned	planned 2019
	BYDGOSZCZ/SZ WEDEROWO	ILS/DME	26	109.100	28X	BYD	TRD 530541N 175710E 530549N 175932E	85	25/62.5	25/100	100	Assigned	modification EIRP - R	
		VOR/DME		112.700	74X	BYZ	530554N 175818E Alt=0		80/250	80/250	250	Operational		
	CEWICE	ILS/DME	25	111.300	50X	ICE	TRD 542446N 174420E 542509N 174636E	76	25/62.5	25/100	100	Assigned	modificaton EIRP - R,	
		TAC			86Y	TCW	542510N 174636E			40/100	100	Operational	MIL	
DME				117X	CZA	533028N 161804E			80/400	400	Operational			
CZAPLINEK CZEMPIN DARLOWO	VOR/DME		114.500	92X	CMP	520800N 164309E		100/500	100/500	500	Assigned			
	TAC			115Y	TDA	542417N 162129E			80/100	100	Operational	MIL		
DARLOWO	VOR/DME		114.200	89X	DAR	542437N 162317E		100/500	100/500	500	Operational			
DEBLIN	ILS/DME	30	109.100	28X	IDN	TRD 513333N 215214E 513245N 215410E	121	25/62.5	25/100	100	Assigned	modification EIRP - R		
	TAC			25X	TDN	513245N 215410E 513314N 215340E			80/100	100	Operational			
DENKO/DREZDE NKO DZIALYN GDANSK	DME			100X	DRE	@524901N 154957E			150/500	500	Operational			
	DME			126Y	DIA	530446N 211032E			100/500	500	Assigned			
	VOR/DME		116.100	108X	GZD	542316N 182531E		100/400	100/400	400	Operational			
GDANSK/REBIEC HOWO GRUDA/GRUDZI ADZ	ILS/DME	29	110.300	40X	IGDA	TRD 542256N 182649E 542218N 182908E	113	25/62.5	25/100	100	Operational			
	VOR/DME		114.600	93X	GRU	533116N 184653E		150/500	150/500	500	Operational			
INOWROCLAW IZBICA JEDOW/JEDRZEJ	TAC			29Y	TIR	524943N 181949E			40/250	250	Assigned			
	DME			121X	IZB	505239N 230858E			100/400	400	Operational			
OW KARNICE	VOR/DME		115.600	103X	JED	@503850N 201504E		150/500	150/500	500	Operational			
	VOR/DME		117.800	125X	KRN	515647N 202641E		100/500	100/500	500	Assigned			
KATOWICE/PYRZ OWICE	ILS/DME	27	109.900	36X	IKTO	TRD 502834N 190320E 502837N 190543E	90	25/62.5	25/100	100	Assigned			

POL	KATOWICE/PYRZ KMIECIN	VOR/DME		114.800	95X	KAX	502840N 190506E		100/400	100/400	400	Operational				
		DME			115X	KMI	541200N 190900E			100/500	500	Operational				
	KRAKOW/BALICE	GBAS		110.000		EPKK	500434N 194704E		23/100			100	Assigned	planned 2020		
		ILS/DME	25	108.300	20X	IKRK	TRD 500443N 194731E	75	25/62.5	25/100		100	Assigned	planned 2021		
		VOR/DME		110.300	40X	KRW	TRD 500430N 194553E 500450N 194743E	78	25/62.5	25/100		100	Operational			
				112.800	75X	KAK	@500436N 194717E		100/500	100/500		500	Operational			
	KRZESINY	ILS/DME TAC	29	111.900	56X	IKS	TRD 522022N 165636E 521945N 165844E	118	25/62.5	25/100		100	Assigned	modification EIRP - R		
					52X								TKS		522000N 165804E	40/100
	LASK	ILS/DME TAC	28	110.900	46X	IAS	TRD 513322N 190922E 513300N 191134E	103	25/62.5	25/100		100	Operational			
					22Y								TAS	513300N 191042E	40/100	100
	LECZYCA	TAC			38X	TLY	520004N 190839E			40/250		250	Assigned			
	LININ	VOR/DME		113.100	78X	LIN	515558N 210931E		100/500	100/500		500	Operational			
	LODZ	ILS/DME VOR/DME	25R	110.500	42X	LOD	TRD 514256N 192208E 514325N 192402E	71	25/62.5	25/100		100	Assigned	modification EIRP - R		
					71X								LOZ		514634N 193729E	150/500
	MALBORK	ILS/DME TAC	25	110.500	42X	IMB	TRD 540126N 190644E 540137N 190900E	79	25/62.5	25/100		100	Assigned	modification EIRP - R		
					118X								TMB		540138N 190859E	40/250
	MINSK MAZOWIECKI	ILS/DME TAC	26	111.300	50X	IMM	TRD 521144N 213748E 521140N 214008E	90	25/62.5	25/100		100	Assigned	modification EIRP - R		
					117Y								TMM		521140N 213956E	200/600
					69X	TMM	521100N 213900E			40/250		250	Assigned	MIL		
	MIROSLAWIEC	ILS/DME TAC	30	110.900	46X	IMI	TRD 532415N 160339E 532322N 160533E	125	25/62.5	25/100		100	Operational			
100Y					TMI								532406N 160418E	40/100	100	Operational
17X					TMI								532000N 160500E	40/100	100	Assigned
MODLIN	ILS/DME VOR/DME	08	108.300	20X	IMDX	TRD 522712N 204027E 522656N 203820E	261	25/62.5	25/100		100	Operational				
				113X								MOL	522709N 204040E	100/400	100/400	400
MRAGOWO NOWY TARG	VOR/DME DME		117.300	120X	MRA	@534706N 210758E 492033N 195803E		150/450	150/450		450	Operational				
				106Y			NTA	100/500	100/500	500	Operational					
OKSYWIE	ILS/DME	31	109.500	32X	IOW	TRD 543522N 183003E 543422N 183132E	136	25/62.5	25/100		100	Assigned	modification EIRP - R			

POL	OKSYWIE	TAC			82X	TOW	543456N 183023E			80/100	100	Operational		
	OLESNO	DME			101X	OLX	501242N 205608E			80/500	500	Operational		
	OLSZTYN	DME			109Y	OSY	534449N 201551E			100/500	500	Assigned	planned 2019	
	OLSZTYN/MAZURY							TRD 532942N 205642E						
		ILS/DME	01	108.100	18X	SZY	532828N 205554E	199	25/62.5	25/100	100	Operational		
		VOR/DME		111.050	47Y	SYN	533626N 210033E		100/500	100/500	500	Assigned		
	OSTASZE	DME			90X	OST	525529N 230516E			80/500	500	Assigned	planned 2022	
	PLOCK	DME			123Y	PCK	524242N 193412E			100/400	400	Operational	modification EIRP - R	
	POWIDZ	ILS/DME	10R	108.150	18Y	IPDZ	TRD 522245N 175108E Alt=100	287	25/62.5	25/100	103	Assigned	MIL	
			28L	111.100	48X	IPW	TRD 522308N 174905E 522235N 175221E	107	25/62.5	25/100	100	Assigned	modification EIRP - R	
		TAC			102Y	TPW	522237N 175101E			200/600	600	Operational	MIL	
	POZNAN/LAWICA							TRD 522533N 164805E						
		ILS/DME	28	110.300	40X	POZ	522512N 165015E	108	25/62.5	25/100	100	Operational		
		VOR/DME		115.800	105X	LAW	522520N 164949E		100/500	100/500	500	Operational		
	PSZCZYNA	DME			116X	PSZ	495932N 185104E			100/500	500	Assigned	planned 2020	
	RADOM	ILS/DME	25C	110.350	40Y	IRDM	TRD 512319N 211241E	70	25/62.5	25/100	100	Assigned		
		VOR/DME		113.850	85Y	RDO	512400N 211557E		100/450	100/450	450	Assigned		
	RUDKA	VOR/DME		115.100	98X	RUD	524950N 234226E		100/450	100/450	450	Operational		
	RZESZOW/JASIONKA							TRD 500637N 215944E						
		ILS/DME	27	110.300	40X	RZW	500631N 220229E	91	25/62.5	25/100	100	Operational		
		VOR/DME		110.600	43X	RSW	500700N 220700E		100/500	100/500	500	Assigned	planned 2019	
	SIEDLCE	VOR/DME		114.700	94X	SIE	@520919N 221203E		150/500	150/500	500	Operational		
	SUWALKI	VOR/DME		117.700	124X	SUW	540411N 225401E		100/500	100/500	500	Operational		
SWIDNIK	ILS/DME	25	111.950	56Y	ISWI	TRD 511414N 224131E 511435N 224334E	77	25/62.5	25/100	100	Operational			
	VOR/DME		112.200	59X	SWI	511410N 224108E		100/500	100/500	500	Operational			
SWIDWIN	ILS/DME	29	111.550	52Y	ISN	TRD 534746N 154806E 534719N 155023E	111	25/62.5	25/100	100	Assigned	modification EIRP - R		
	TAC			107X	TSN	534720N 155023E 534658N 155107E			60/500	500	Operational			
SZCZECIN/GOLENIOW							TRD 533540N 145300E							
	ILS/DME	31	110.500	42X	SZC	533442N 145442E	131	25/62.5	25/100	100	Operational			
	VOR/DME		114.750	94Y	SCE	533543N 145253E		100/500	100/500	500	Assigned			
TOMASZOW.MAZ	TAC			44X	TTM	513515N 200537E			40/250	250	Assigned			
TREBNI/TRZEBNI	VOR/DME		113.600	83X	TBN	@511628N 170803E		150/500	150/500	500	Assigned			
TRZEBIELINO	DME			85X	TZE	541238N 170424E			80/500	500	Operational			

POL	WARSZAWA/OKE						TRD 520938N 205907E							
	CIE	ILS/DME	11	109.900	36X	WAS	521016N 205706E	294	25/62.5	25/100	100	Operational		
			33	110.300	40X	WA	520924N 205823E	152	25/62.5	25/100	100	Operational		
		VOR/DME		113.450	81Y	OKC	521011N 205736E		80/250	80/250	250	Operational		
	WICKO	DME			17X	WIC	544046N 174033E			100/400	400	Operational		
	WIELUN	DME			33Y	WIE	505259N 182943E			100/500	500	Assigned	planned 2019	
							TRD 510637N 165138E							
	WROCLAW	ILS/DME	29	110.300	40X	WRO	510556N 165335E	116	25/62.5	25/100	100	Operational		
		VOR/DME		111.650	53Y	WCL	510534N 165508E		80/400	80/400	400	Operational		
	ZABOROWEK	VOR/DME		114.900	96X	WAR	@521533N 203926E		150/500	150/500	500	Operational		
						TRD 520757N 154642E								
	ZIELONA GORA	ILS/DME	24	111.300	50X	IZGA	520828N 154842E	65	25/62.5	25/100	100	Operational		
		VOR/DME		110.650	43Y	ZLG	520827N 154802E		80/500	80/500	500	Operational		
POR	ARGA	DME			99X	DSA	414759N 084120W Alt=350			75/400	400	Operational		
	AROUCA	DME			96X	DAR	405559N 081331W Alt=350			73/400	400	Operational		
	ARRABIDA	DME			20X	ARR	@382934N 085744W			150/200	200	Operational		
							TRD 380334N 075606W 380530N							
	BEJA	ILS/DME	19R	110.300	40X	BJ	075558W	6	25/62.5	25/100	100	Operational		
		TAC			105X	BEJ	380742N 075536W			150/300	300	Operational		
	CASCAIS	VOR/DME		114.300	90X	CAS	384454N 092143W		60/100	60/100	100	Operational		
	ESPICHEL	VOR/TAC		112.500	72X	ESP	@382527N 091108W		200/500	200/500	500	Operational		
	FARO	DME			49X	FAR	370032N 075533W			50/300	300	Operational		
		VOR/DME		112.800	75X	VFA	370049N 075830W		200/500	200/500	500	Operational		
							TRD 370047N 075722W 370056N							
	FARO/FARO	ILS/DME	10	110.500	42X	FIT	075857W	280	25/62.5	25/100	100	Operational		
							TRD 370103N 075916W 370047N							
	FATIMA	VOR/DME	28	109.500	32X	IIF	075745W	100	25/62.5	25/100	100	Operational		
	FUNCHAL	VOR/DME		113.500	82X	FTM	393956N 082934W		60/500	60/500	500	Operational		
LISBOA	VOR/DME		112.200	59X	FUN	324450N 164220W		200/500	200/500	500	Operational			
	VOR/DME		114.800	95X	LIS	385316N 090946W		80/500	80/500	500	Operational			
						TRD 384546N 090845W 384721N								
LISBOA/LISBOA	ILS/DME	21	109.500	32X	ILB	090749W	23	25/62.5	25/100	100	Operational			
						TRD 384757N 090735W 384610N								
			03	109.100	28X	ILI	090838W	203	25/62.5	25/100	100	Operational		
MARAO	DME			93X	DMR	411454N 075313W Alt=350			77/400	400	Operational			

POR	MERTOLA	DME			92X	DML	@374203N 074549W Alt=350		150/250	250	Operational		
	MEXILHOEIRA	DME			22X	DMX	@370945N 083652W Alt=55		100/250	250	Operational		
	MONTARGIL	DME			45X	DMT	390438N 081115W TRD 394902N 085316W 395024N		115/200	200	Operational		
	MONTE REAL	ILS/DME	19	110.300	40X	MR	085308W TRD 395045N 085312W 394920N	2	25/62.5	25/100	100	Operational	MIL
		TAC	01	109.150	28Y 33X	MO MTR	085311W 394957N 085324W TRD 384215N 090226W 384242N	182	25/62.5	25/100 150/300	100 300	Operational Operational	MIL
	MONTIJO	ILS/DME TAC	26	109.700	34X 37X	MT MOJ	090053W 384232N 090201W 414846N 081143W	72	25/62.5	25/100 150/300	100 300	Operational Operational	MIL
	MURO	DME			85X	DMU	Alt=350		82/400	400	Operational		
	NISA	VOR/TAC		115.500	102X	NSA	@393353N 075453W TRD 405545N 083850W 405427N		200/500	200/500	500	Operational	
	OVAR	ILS/DME TAC	36	109.300	30X 43X	OV OVR	083837W 405316N 083836W @372649N 073525W	176	25/62.5	25/100 200/500	100 500	Operational Operational	MIL MIL
	PEREIRO	DME			52X	DPR	Alt=250 TRD @391212N 080345W 391258N		100/250	250	Operational		
	PONTE DE SOR	ILS/DME	21	111.900	56X	PDS	080314W	24	25/62.5	25/100	100	Operational	
	PORTO	VOR/DME		114.100	88X	PRT	@411623N 084116W		200/500	200/500	500	Operational	
	PORTO SANTO	TAC			110X	STO	330431N 162156W			200/500	500	Operational	MIL
		VOR/DME		114.900	96X	SNT	@330525N 162102W TRD 411348N 084036W 411529N		200/500	200/500	500	Operational	
	PORTO/PORTO	ILS/DME	17	109.900	36X	PR	084057W	349	25/62.5	25/100	100	Operational	
	SAGRES	VOR/DME		113.900	86X	SGR	370502N 085647W @371827N 075744W		250/500	250/500	500	Operational	
	SALIR	DME			30X	DSL	Alt=580			80/250	250	Operational	
	SINTRA	VOR/TAC		112.100	58X	SRA	384945N 092024W PORTUGAL(Continente)		200/500	200/500	500	Operational	
	TACAN MOVEI 1	TAC			122X	TACA	PORTUGAL(Continente)			40/400	400	Assigned	
TACAN MOVEI 2	TAC			126X	TACB	PORTUGAL(Continente)			40/400	400	Assigned		
ROU	ROU		113.100	78X	VIS	404324N 075310W		200/500	200/500	500	Operational		
ALBA	DME			59Y	CIC	461941N 233211E			100/250	250	Operational		
ALL ROMANIA	TAC			112Y	TCD	ALL ROMANIA(LAND)			35/250	250	Operational	MIL	
				26Y	TCA	ALL ROMANIA(LAND)			35/250	250	Operational	MIL	

ROU	ALL ROMANIA	TAC			34X	TCB	ALL ROMANIA(LAND)			35/250	250	Operational	MIL
					54X	TCC	ALL ROMANIA(LAND)			35/250	250	Operational	MIL
	ARAD	DME			93X	SIR	461556N 213952E			100/250	250	Operational	
		ILS/DME	27	110.700	44X	IAD	TRD 461100N 211400E	90	25/62.5	25/100	100	Operational	
		VOR/DME		109.000	27X	ARD	461100N 211100E		175/500	175/500	500	Operational	
	BABADAG	TAC			73Y	BAB	445300N 284400E			35/200	200	Operational	MIL
	BACAU	DME			121X	BAC	463000N 265500E			100/500	500	Operational	
					30Y	ODB	464152N 270959E			100/250	250	Operational	
					36Y	ARN	Alt=428			100/250	250	Operational	
		ILS/DME	16	108.300	20X	IBA	TRD 463029N 265455E	345	25/62.5	25/100	100	Operational	
					34	IBC	Alt=212			25/100	100	Operational	
		VOR/DME		110.700	44X	BCU	TRD 463200N 265400E	160	25/62.5	25/100	100	Operational	
				109.400	31X		463100N 265000E		175/500	175/500	500	Operational	
	BAIA MARE	ILS/DME	09	109.300	30X	IBM	TRD 473925N 232847E	270	25/62.5	25/100	100	Operational	
	BAISOARA	DME			126Y	BAI	462900N 231400E			100/250	250	Operational	
	BOBOC	ILS	04	111.700		IBO	TRD 451300N 265900E	220	25/62.5		62	Operational	MIL
	BOTOSANI	DME			76X	STL	473409N 271521E			100/250	250	Operational	
	BRASOV	ILS/DME	21	110.100	38X	IBV	TRD 454138N 253038E	3	25/62.5	25/100	100	Operational	
		VOR/DME		114.950	96Y	VBV	Alt=538		100/500	100/500	500	Operational	
				117.600	123X	BRV	454226N 253117E		175/500	175/500	500	Operational	
	BUCURESTI/BAN	ILS/DME	25	110.500	42X	IBN	TRD 443400N 260400E	70	25/62.5	25/100	100	Operational	
	EASA				07	IBS	TRD 443000N 260800E	250	25/62.5	25/100	100	Operational	
	BUCURESTI/OTO	ILS/DME	08L	110.900	46X	ILL	TRD 443500N 260800E	260	25/62.5	25/100	100	Operational	
PENI				08R	IOP	TRD 443400N 260800E	260	25/62.5	25/100	100	Operational		
				26L	IOE	TRD 443400N 260400E	80	25/62.5	25/100	100	Operational		
				26R	IRR	TRD 443500N 260500E	80	25/62.5	25/100	100	Operational		
BUZAU	VOR/DME		117.100	118X	OPT	443500N 263300E		100/500	100/500	500	Operational		
	DME			105Y	ISA	450709N 263235E			100/250	250	Operational		
CAMPIA TURZII	ILS	33	108.100		ICP	TRD 463000N 235200E	150	25/62.5		62	Operational	MIL	
	TAC			112X	TCE	463000N 235300E			35/250	250	Operational	MIL	
				90X	CTZ	463000N 235400E			35/200	200	Operational	MIL	

ROU	ORADEA	ILS/DME	19	109.500	32X	IOD	TRD 470031N 215351E Alt=151	10	25/62.5	25/100	100	Operational	
			01	108.700	24X	IBH	TRD 470217N 215422E Alt=125	19	25/62.5	25/100	100	Operational	
	SATU MARE	ILS/DME	19	110.950	46Y	ISM	TRD 474100N 225300E	10	25/62.5	25/100	100	Operational	
		VOR/DME		108.400	21X	SAT	474400N 225400E		150/500	150/500	500	Operational	
	SIBIU	DME			26X	SIB	454700N 240500E			50/500	500	Operational	
					78X	PLT	453832N 235637E			100/250	250	Assigned	
	STREJNIC	ILS/DME	27	110.700	44X	ISB	TRD 454700N 240500E	90	25/62.5	50/100	100	Operational	
		VOR/DME		114.000	87X	SBI	454651N 240516E		100/500	100/500	500	Operational	
		VOR/DME		113.200	79X	STJ	445500N 255800E		100/500	100/500	500	Operational	
	SUCEAVA	ILS/DME	34	110.100	38X	ISV	TRD 473800N 262300E	160	25/62.5	25/100	100	Operational	
VOR/DME			112.300	70X	SCV	474000N 262200E		175/500	175/500	500	Operational		
TIMIS	DME			48X	SAC	453346N 214325E			100/250	250	Operational		
TIMISOARA/GIAR													
MATA	ILS/DME	11	110.900	46X	ITS	TRD 454800N 212400E	290	25/62.5	25/100	100	Operational		
TIRGU JIU		29	109.300	30X	ITR	TRD 454900N 211900E 474000N 232600E	110	25/62.5	25/100	100	Operational		
	VOR/DME		115.300	100X	TGJ	450400N 232000E		150/500	150/500	500	Operational		
TIRGU MURES	ILS/DME	07	109.900	36X	ITM	TRD 462700N 242500E	250	25/62.5	25/100	100	Operational		
TULCEA	DME			51Y	TPG	445122N 282438E			100/250	250	Operational		
ZALAU	ILS/DME	34	110.700	44X	ITC	TRD 450400N 284200E	160	25/62.5	25/100	100	Operational		
	VOR/DME		114.800	95X	TLA	450400N 284200E		175/500	175/500	500	Operational		
BELY	DME			17X	ZLU	470900N 230600E			100/250	250	Operational		
RUS	BELY	VOR		-		@555100N 325600E		150/500		500	Assigned		
	BELYOZYORSK	VOR		-		600200N 374500E		150/500		500	Assigned	!DOC=150W&S/80	
	BRYANSK	VOR		-		532000N 341600E		200/500		500	Assigned	!DOC=200SW&N-NE	
	CHITA	ILS		-	IDG	520200N1131800E		25/62.5		62	Assigned		
						IZM	520200N1131800E		25/62.5		62	Assigned	
							520200N1131800E		25/62.5		62	Assigned	SERVICE = NIS
	EDINKA	VOR		-	DE	471000N1383900E		300/450		450	Assigned		
	IRKUTSK	ILS		-	CN	521600N1042400E		25/62.5		62	Assigned		
						IIR	521600N1042400E		25/62.5		62	Assigned	
	KAZAN	ILS	11	110.500			553600N 491700E		25/62.5		62	Operational	
KHABAROVSK		29	111.700			553600N 491700E		25/62.5		62	Operational		
	ILS		-		IBD	483100N1351100E		25/62.5		62	Assigned		
					IHI	483100N1351100E		25/62.5		62	Assigned		
					IUF	483100N1351100E		25/62.5		62	Assigned		
KOTLAS	VOR/DME		117.800	125X		611400N 464200E		250/500	250/500	500	Operational	!DOC=250E/150SW-	
MINERALNYE													
VODY	ILS	12	111.700			441500N 430000E		25/62.5		62	Operational		
		30	109.300			441500N 430000E		25/62.5		62	Operational		

RUS	MINERALNYE	VOR/DME		-	0		@441500N 430000E	250/500	250/500	500	Assigned		
	MOSKVA	VOR/DME		114.600	93X		555800N 372100E	150/500	150/500	500	Operational		
	MOSKVA/SHERE METYEV	ILS	25	110.500			555800N 372500E	25/62.5		62	Operational		
					111.300			555800N 372500E	25/62.5		62	Operational	
				07	108.100			555800N 372500E	25/62.5		62	Operational	
					109.100			555800N 372500E	25/62.5		62	Operational	
		MLS/DME	25		24X	506		555800N 372500E		23/100	100	Assigned	
			07		30X	512		555800N 372500E		23/100	100	Assigned	
					34X	516		555800N 372500E		23/100	100	Assigned	
					38X	520		555800N 372500E		23/100	100	Assigned	
		MOSKVA/VNUKO VO	ILS	20	109.700			553600N 371700E	25/62.5		62	Operational	
				24	111.100			553600N 371700E	25/62.5		62	Operational	
				02	111.700			553600N 371700E	25/62.5		62	Operational	
				06	108.900			553600N 371700E	25/62.5		62	Operational	
			MLS/DME	20		50X	532	553600N 371700E		23/100	100	Assigned	
				24		20X	502	553600N 371700E		23/100	100	Assigned	
				06		42X	524	553600N 371700E		23/100	100	Assigned	
						56X	538	553600N 371700E		23/100	100	Assigned	
		MURMANSK	ILS	14	110.300			690000N 330000E	25/62.5		62	Operational	
				32	108.500			690000N 330000E	25/62.5		62	Operational	
		NOVOSIBIRSK	ILS		-		IKT LLZ	550400N 830500E	25/62.5		62	Assigned	
								550100N 824000E	25/62.5		62	Assigned	
		PETROVSKOYE ROSTOV-NA- DONU	VOR		-			514300N 401100E	200/500		500	Assigned	!DOC=200NW&S/60
			ILS	22	110.300			471300N 392400E	25/62.5		62	Operational	
				04	110.500			471300N 392400E	25/62.5		62	Operational	
		SAMARA/KURUM OCH	ILS	15	111.900			532000N 501000E	25/62.5		62	Operational	
				23	109.700			532000N 501000E	25/62.5		62	Operational	
				05	111.100			532000N 501000E	25/62.5		62	Operational	
			MLS/DME			20X	502	532000N 501000E		23/100	100	Assigned	
						50X	532	532000N 501000E		23/100	100	Assigned	
						56X	538	532000N 501000E		23/100	100	Operational	
		SANKT- PETERBURG SANKT- PETERBURG/PUL K	VOR/DME		113.400	81X	SPB	594900N 301600E	150/500	150/500	500	Operational	!DOC=80N/150
			ILS	10	110.500			594900N 301700E	25/62.5		62	Operational	
				111.900			594900N 301700E	25/62.5		62	Operational		
			28	108.900			594900N 301700E	25/62.5		62	Operational		
				111.300			594900N 301700E	25/62.5		62	Operational		
		MLS/DME	10		24X	506	594900N 301700E		23/100	100	Assigned		
					34X	516	594900N 301700E		23/100	100	Assigned		
					38X	520	594900N 301700E		23/100	100	Assigned		
					50X	532	594900N 301700E		23/100	100	Operational		
	SUKHOTINO	VOR		-			543600N 372000E	200/500		500	Assigned	!DOC=200E-SE/100	

RUS	TVER/MIGALOVO	ILS MLS/DME	07	109.900			564900N 354500E		25/62.5	62	Assigned	ALSO RWY 25
					32X	514	564900N 354500E			100	Assigned	
S	VELIKIYE LUKI	VOR		108.200			562200N 302600E		150/500	500	Operational	!DOC=150W&E/60
	ALL SWEDEN	DME			120Y	SWE	ALL SWEDEN(LAND)			100	Operational	TEST STATION
							TRD 561658N 125212E					
	ANGELHOLM	ILS/DME	14	111.300	50X	DB	561748N 125057E	316	25/62.5	100	Operational	
	ARLANDA	VOR/DME		116.000	107X	ARL	593912N 175452E		100/500	500	Operational	
	AROS	VOR/DME		112.800	75X	ARS	593510N 163901E		80/500	500	Operational	
							TRD 653453N 191832E					
	ARVIDSJAUR	ILS/DME	12	109.350	30Y	ARV	653552N 191546E	308	25/62.5	500	Operational	
							TRD 653600N 191507E					
	BACKA	DME	30	111.500	52X 74X	NX BAK	653514N 191743E @573319N 115837E	128	25/62.5	100 500	Operational Operational	
							TRD 602553N 152942E					
	BORLANGE	ILS/DME VOR/DME	32	109.500 117.600	32X 123X	SD BOR	602504N 153141E 602517N 153109E	132	25/62.5 100/500	100 500	Operational Operational	Add belonging DME 3
	BUNGE	DME			113X	BGE	575107N 190147E Alt=41			500	Operational	
							TRD 592148N 164227E					
	ESKILSTUNA	ILS/DME	36	110.900	46X	SU	592042N 164240E	178	25/62.5	100	Operational	
	FARILA	DME			112X	FRL	614906N 155045E			500	Operational	
	FENGENSFORS	DME			100Y	FEN	585501N 121749E Alt=235			500	Operational	
							TRD 670811N 204741E					
	GALLIVARE	ILS/DME	30	108.100	18X	NG	670744N 204932E	118	25/62.5	100	Operational	
	GOTEBORG/LAN											
	DVETTER	DME			80Y 86Y	PGG HGG	574357N 121140E 573446N 121844E			250 250	Operational Operational	
							TRD 573850N 121556E					
		ILS/DME	21	108.500	22X	NGG	574027N 121716E	26	25/62.5	100	Operational	
							TRD 574043N 121739E					
			03	110.300	40X	SGG	573908N 121605E	206	25/62.5	100	Operational	
							TRD 600043N 133448E					
	HAGFORS	ILS/DME	18	110.100	38X	IHF	600126N 133434E	357	25/62.5	100	Operational	
							TRD 564038N 124903E					
	HALMSTAD	ILS/DME	19	110.100	38X	MT	564156N 124924E	6	25/62.5	100	Operational	

S	HAMMAR	VOR/DME		112.600	73X	HMR	@601646N 182330E TRD 654750N 150538E 654745N 150527E		150/500	150/500	500	Operational	
	HEMAVAN	ILS	15	111.500		WUT	Alt=460	332	25/62.5		62	Operational	There is no glide path
	HOTING	ILS/DME DME	33	110.100	38X 104X	IUT HOT	TRD 654851N 150420E 654805N 150509E 641403N 155600E	153	25/62.5	25/100 100/500	100 500	Operational Operational	
	JONKOPING	ILS/DME VOR/DME	01	111.500 115.800	52X 105X	SGJ JON	TRD 574607N 140432E 574504N 140347E 574504N 140346E 574538N 140356E	198	25/62.5 100/500	25/100 100/500	100 500	Operational Operational	
	JONKOPING/JONKOPIN	ILS	19	109.900		SJ	TRD 574443N 140340E 574553N 140415E	18	25/62.5		62	Operational	
	KALMAR	ILS/DME VOR/DME	16	108.700	24X 53X	MQ KAL	TRD 564034N 161747E 564141N 161651E @564107N 161703E	332	25/62.5 160/500	25/100 160/500	100 500	Operational Operational	
	KARLSBORG	ILS/DME	06	110.750	44Y	SIA	583000N 143000E		25/62.5	25/100	100	Operational	MIL
	KARLSTAD	ILS	21	110.700		NOK	TRD 592559N 131935E 592710N 132033E	26	25/62.5		62	Operational	
		VOR/DME	03	109.350 117.800	125X	SOK KSD	TRD 592726N 132057E 592615N 131942E 592633N 131954E	206	25/62.5 120/500		62 500	Operational Operational	
	KIRUNA	ILS/DME VOR/DME	21	110.300 115.200	40X 99X	NQ KRA	TRD 674834N 201852E 674942N 202105E 674909N 202015E	34	25/62.5 100/500	25/100 100/500	100 500	Operational Operational	DME will be in operat
	KRAMFORS	ILS	17	109.300		FK	TRD 630214N 174621E 630200N 174600E	352	25/62.5		62	Operational	
		ILS/DME	35	109.700	34X	NK	TRD 630338N 174554E 630232N 174623E 630232N 174624E Alt=18	172	25/62.5	25/100	100	Operational	
	KRISTIANSTAD LANDVETTER	ILS/DME VOR/DME	19	108.500 114.600	22X 93X	MK LAV	TRD 555430N 140457E 555544N 140507E 573922N 121724E	7	25/62.5 100/500	25/100 100/500	100 500	Operational Operational	
	LINKOPING/MALMEN	ILS/DME	19	110.100	38X	CFB	TRD 582241N 153038E 582411N 153128E	18	25/62.5	25/100	100	Operational	

S	LINKOPING/MAL MEN	ILS/DME	01	108.350	20Y	CFE	TRD 582434N 153149E 582320N 153109E	198	25/62.5	25/100	100	Operational	DME: Ongoing install
	LINKOPING/SAA B	ILS/DME	11	108.900	26X	LSL	TRD 582358N 154242E 582421N 154036E	292	25/62.5	25/100	100	Operational	Will replace 3S5192
			29	108.100	18X	SL	TRD 582441N 153922E 582410N 154208E	112	25/62.5	25/100	100	Operational	Will replace 3S2889
	LJUNGBYHED	ILS/DME	29L	108.550	22Y	DA	TRD 560519N 131022E 560453N 131224E	114	25/62.5	25/100	100	Operational	Replaces 3S2891
		VOR/DME		113.400	81X	LJU	560459N 131204E		40/250	40/250	250	Operational	
	LULEA	VOR/DME		115.100	98X	SLU	653225N 220803E		60/500	60/500	500	Operational	
	LULEA/KALLAX	ILS/DME	14	110.300	40X	PA	TRD 653151N 220903E 653312N 220616E	317	25/62.5	25/100	100	Operational	DME will be operation
			32	109.900	36X	SPA	TRD 653324N 220535E 653207N 220841E	137	25/62.5	25/100	100	Operational	
	LYCKSELE	ILS/DME	14	108.700	24X	WL	TRD 643229N 184343E 643315N 184233E	323	25/62.5	25/100	100	Operational	DME: Ongoing install
			32	110.500	42X	NL	TRD 643329N 184158E 643200N 184300E 643248N 184258E	143	25/62.5	25/100	100	Operational	
	MALMO	ILS/DME	17	111.900	56X	NMS	TRD 553114N 132246E 553244N 132236E	353	25/62.5	25/100	100	Operational	
	MALMO/STURUP	ILS/DME	35	108.100	18X	SMS	TRD 553302N 132224E 553134N 132250E 553134N 132251E	173	25/62.5	25/100	100	Operational	
	MORA/SILJAN MORBYLANGA NATTA	ILS	16	109.700		NKM	TRD 605651N 143107E 605749N 143035E	341	25/62.5		62	Operational	
		DME		103X	MBL	561623N 162432E	100/500		500	Operational			
VOR/DME		113.000		77X	NAT	664447N 211921E	80/500		80/500	500	Operational		
NORRKOPING/K UNGSAN	ILS/DME	27	109.500	32X	SP	TRD 583510N 161339E 583505N 161549E	91	25/62.5	25/100	100	Operational		
		09	111.100	48X	KSP	TRD 583509N 161626E 583514N 161412E Alt=10	271	25/62.5	25/100	100	Operational		
OREBRO	ILS	01	109.100		SOE	TRD 591419N 150238E 591238N 150150E	192	25/62.5		62	Operational		

S	OREBRO	ILS/DME	19	108.500	22X	NOE	TRD 591219N 150150E 591401N 150223E	12	25/62.5	25/100	100	Operational	
	ORNSKOLDSVIK	ILS/DME	12	110.100	38X	NO	TRD 632414N 190029E 632449N 185837E Alt=120	302	25/62.5	25/100	100	Operational	
		VOR/DME	30	110.350	40Y	ENO	TRD 632454N 185803E 632418N 185957E Alt=3	122	25/62.5	25/100	100	Operational	
				115.000	97X	OSK	632422N 185937E		60/500	60/500	500	Operational	
	OSTERSUND	ILS/DME	12	109.500	32X	PC	TRD 631116N 143155E 631154N 142914E	295	25/62.5	25/100	100	Operational	
	PAJALA	VOR/DME		114.650	93Y	OSS	631158N 142915E		150/500	150/500	500	Operational	
		DME			100Y	PJL	671456N 230344E			120/500	500	Operational	
	RAMSELE RONNEBY	ILS/DME	11	111.500	52X	IUP	TRD 671419N 230615E 671457N 230331E	298	25/62.5	25/100	100	Operational	
		DME			114X	RAE	633554N 162448E			100/500	500	Operational	
		DME			29X	RON	561515N 151549E			100/500	500	Operational	
		ILS/DME	19	110.700	44X	DF	TRD 561516N 151543E 561627N 151555E	9	25/62.5	25/100	100	Operational	DME: Ongoing install
			01	108.300	20X	NDF	TRD 561649N 151608E 561535N 151541E	189	25/62.5	25/100	100	Operational	
	SALEN	ILS/DME	15	109.550	32Y	SAE	TRD 610909N 125103E 611020N 124936E	327	25/62.5	25/100	100	Operational	
	SANDHULT	DME	33	111.350	50Y	SAL	TRD 611035N 124906E 610929N 125045E	147	25/62.5	25/100	100	Operational	
					103Y	SDH	574539N 125031E			100/500	500	Operational	
	SATENAS	ILS/DME	19	109.500	32X	IBC	TRD 582454N 124233E 582609N 124252E	5	25/62.5	25/100	100	Operational	
			01	111.150	48Y	IBT	TRD 582628N 124248E Alt=55	185	25/62.5	25/100	100	Operational	DME: Ongoing install
	SKELLEFTEA	ILS/DME	28	109.500	32X	NS	TRD 643741N 210305E 643726N 210535E	106	25/62.5	25/95	95	Operational	DME will be in operat
		VOR/DME		113.400	81X	SKA	643722N 210609E 643736N 210446E		100/500	100/500	500	Operational	
	SOPPERO	DME			106X	SPO	680531N 214126E			100/500	500	Operational	
STOCKHOLM/AR LANDA	DME			57Y	ANW	594248N 175109E			25/100	100	Operational		
				80X	ANE	594138N 180336E			25/100	100	Operational		
				84Y	ASW	593516N 174911E			25/100	100	Operational		

S	STOCKHOLM/AR	DME			91Y	ASE	593814N 175726E		25/100	100	Operational		
		ILS	08	109.550		WSA	TRD 593952N 175903E 594000N 175900E	256	25/62.5	62	Operational		
		ILS/DME	26	110.100	38X	ESA	TRD 593929N 175556E 593951N 175821E	76	25/62.5	25/100	100	Operational	
			01L	109.900	36X	SSA	TRD 594006N 175528E 593826N 175442E	190	25/62.5	25/100	100	Operational	
			01R	109.350	30Y	TSA	TRD 593904N 175735E 593745N 175714E 593745N 175715E	190	25/62.5	25/100	100	Operational	
			19L	111.350	50Y	USA	TRD 593726N 175659E 593844N 175736E	10	25/62.5	25/100	100	Operational	
			19R	110.700	44X	NSA	TRD 593806N 175445E 593949N 175512E	10	25/62.5	25/100	100	Operational	
	STOCKHOLM/BR OMMA	ILS/DME	12	110.300	40X	SB	TRD 592057N 175722E 592123N 175559E	305	25/62.5	25/100	100	Operational	
			30	109.700	34X	SBA	TRD 592143N 175513E 592102N 175659E	125	25/62.5	25/100	100	Operational	
	STOCKHOLM/SK AVSTA	ILS/DME	26	111.900	56X	EKN	TRD 584711N 165239E 584726N 165528E	83	25/62.5	25/100	100	Operational	Added DME
			08	111.300	50X	WEK	TRD 584724N 165558E 584716N 165314E	263	25/62.5	25/100	100	Operational	
	STOCKHOLM/VA STERAS STORUMAN STURUP	ILS/DME	19	108.300	20X	SCD	TRD 593433N 163741E 593555N 163807E	12	25/62.5	25/100	100	Operational	
		VOR/DME		116.300	110X	SUM	645720N 174230E		100/500	100/500	500	Operational	
VOR/DME			113.000	77X	SUP	@553204N 132246E		80/500	80/500	500	Operational		
SUNDSVALL/TIM RA	ILS/DME	16	108.700	24X	NNN	TRD 623101N 172710E 623200N 172632E 623204N 172632E	340	25/62.5	25/100	100	Operational		
		34	110.300	40X	SNN	TRD 623237N 172554E 623124N 172701E	160	25/62.5	25/100	100	Operational		
SVEDA SVEG	VOR/DME		113.100	78X	SUN	623142N 172655E		100/500	150/500	500	Operational		
	DME			109X	SVD	561008N 123426E			100/500	500	Operational		
	DME			86Y	SVE	620247N 142443E			100/500	500	Operational		

S	SVEG TEBBY	ILS/DME	09	109.100	28X	IND	TRD 620254N 142629E	267	25/62.5	25/100	100	Operational	
		VOR/DME		117.100	118X		TEB		620255N 142438E	100/250	100/250	250	Operational
	TORSBY	ILS	34	110.900		ST	TRD 601002N 125900E	158	25/62.5		62	Operational	
		ILS/DME		108.700	24X		NST		600855N 125955E 600900N 130000E 600928N 125933E	338	25/62.5	25/100	100
	TROLLHATTAN TROSA UMEA	ILS/DME	33	111.900	56X	TRH	TRD 581935N 122002E	146	25/62.5	25/100	100	Operational	
		VOR/DME		114.300	90X		TRS		581852N 122049E	120/500	120/500	500	Operational
		VOR/DME		114.100	88X		UME		@585616N 173008E 634719N 201707E	150/500	150/500	500	Operational
	UMEA/UMEA	ILS/DME	14	109.900	36X	NU	TRD 634654N 201811E	318	25/62.5	25/100	100	Operational	
			32	110.700	44X		SNU		634744N 201618E TRD 634759N 201601E 634705N 201737E 634705N 201736E Alt=7	138	25/62.5	25/100	100
	UPPSALA VASSEN	ILS/DME	21	109.100	28X	CM	TRD 595327N 173449E	33	25/62.5	25/100	100	Operational	MIL
VOR/DME		115.250		99Y	VSN		595416N 173602E 581811N 154235E		100/500	100/500	500	Operational	
VAXJO/KRONOB ERG	ILS	01	109.100		SMX	TRD 565627N 144359E	193	25/62.5		62	Operational		
VIDSEL	ILS/DME	19	109.700	34X	MX	TRD 565459N 144321E	13	25/62.5	25/100	100	Operational		
	ILS/DME	29	110.100	38X		VID		565607N 144358E 655200N 201000E	25/62.5	25/100	100	Operational	MIL
VILHELMINA VISBY	ILS/DME	28	109.900	36X	INV	TRD 643451N 164855E	103	25/62.5	25/100	100	Operational		
	VOR/DME		115.100	98X		VSB		643446N 165019E 643451N 164955E	150/500	150/500	500	Operational	
VISBY/VISBY	ILS/DME	21	109.150	28Y	SV	@573934N 182049E 573850N 182006E 574005N 182107E		25/62.5	25/100	100	Operational		
SRB	BEOGRAD	ILS/DME	12R	109.500	32X	YBG	TRD 444825N 201951E	302	25/62.5	25/100	100	Operational	
		VOR/DME		112.050	57Y		BGD		444915N 201805E Alt=95	150/500	150/500	500	Operational
BEOGRAD/BATAJ NICA	ILS/DME	12L	108.900	26X	BTJ	TRD 445555N 201607E	305	25/62.5	25/450	450	Operational		

SRB	BEOGRAD/SURC IN	ILS	30R	109.900		YBE	TRD 444942N 201714E 444852N 201915E	122	25/62.5		62	Operational		
		ILS/DME	12L	110.300	40X	YUB	TRD 444830N 201955E 444934N 201744E	302	25/62.5	50/500	500	Operational		
	BLACE	VOR/DME		116.100	108X	BLC	431455N 212142E		60/500	60/500	500	Operational		
	BUDISAVCI	VOR/DME		115.200	99X	BUI	423759N 202945E 434916N 203504E		80/500	80/500	500	Operational	ICAO suspended pu	
	KRALJEVO	VOR/DME		116.300	110X	KRV	434917N 203504E		60/500	60/500	500	Operational		
	MITROVICA	VOR/DME		117.000	117X	SMI	450034N 192551E		150/500	150/500	500	Operational		
							TRD 432010N 215108E							
	NIS	ILS/DME	29	109.300	30X	YNI	432001N 215144E	114	25/62.5	25/450	450	Operational		
		VOR/DME		113.900	86X	NII	432012N 215101E		100/500	100/500	500	Operational	Replacement of exist	
	PRISTINA	ILS	18	110.100		PRS	423400N 210200E		25/62.5		62	Operational		
TOPOLA	VOR/DME		116.800	115X	TPL	440837N 204440E		80/500	80/500	500	Operational			
VALJEVO	VOR/DME		116.600	113X	VAL	441926N 195229E		100/500	100/500	500	Operational			
VRSAC	VOR/DME		115.000	97X	VAC	450816N 211824E		150/500	150/500	500	Operational			
SUI	BERN-BELP CORVATSCH	ILS/DME DME	14	110.100	38X 57Y	IBE CVA	TRD 465423N 073024E 465501N 072940E 465422N 073021E 462505N 094918E	320	25/62.5	25/100 80/500	100 500	Operational Operational		
	DUBENDORF	ILS/DME	29	111.150	48Y	IDU	TRD 472409N 083749E 472344N 083934E 472343N 083934E	109	25/62.5	25/100	100	Operational	MIL airport with futur	
	EMMEN	ILS/DME	22	110.350	40Y	IEM	TRD 470454N 081735E 470552N 081845E	38	25/62.5	25/100	100	Operational	MIL airport with futur	
	FRIBOURG	VOR/DME		110.850	45Y	FRI	@464639N 071325E		100/500	100/500	500	Operational		
	GENEVA	VOR/DME		115.750	104Y	GVA	461514N 060756E		50/250	50/250	250	Operational		
	GENEVE/COINTR IN	GBAS		113.050		LSGG	461500N 060800E		23/100		100	Assigned		
		ILS/DME	22	108.700	24X	ISW	TRD 461329N 060522E 461456N 060722E 461456N 060721E	46	25/62.5	25/100	100	Operational	RPL GVA ILS 22, 109.	
			04	110.900	46X 79X	INE HOC	TRD 461513N 060754E 461350N 060544E @472800N 073956E	226	25/62.5	25/100 85/500	100 500	Operational Operational	Replaces VOR/DME 3	
	HOCHWALD KLOTEN	DME VOR/DME		114.850	95Y	KLO	472726N 083244E 471734N 091942E		50/250	50/250	250	Operational		
	KRONBERG	DME			28Y	KRO	Alt=19			100/500	501	Assigned	For PBN implementa	
LA DOLE	DME			106X	LDL	462530N 060558E			100/500	500	Operational	Just Identification na		
LA PRAZ	DME			43Y	LAP	@464034N 062448E			80/500	500	Operational			

SUI	LUGANO-AGNO	ILS/DME	01	108.900	26X	ILU	TRD 460041N 085451E	199	25/62.5	01-10-1950	62	Operational	For PBN implementa										
	MT. PELERIN	DME		55Y	460001N 085434E		460041N 085449E							100/500	500	Assigned							
	PASSEIRY	VOR/DME		116.600			113X										462950N 064909E	80/500	80/500	500	Operational		
	PAYERNE	ILS/DME	23	109.300	30X	IPY	TRD 465000N 065355E	49	25/62.5	25/100	100	Operational		MIL airport with futur									
				109.950	36Y		465056N 065532E								465117N 065602E	465118N 065600E	229	25/62.5	25/100	100	Operational	MIL airport with futur	
	SION	ILS/DME	25	110.700	44X	ISI	TRD 461257N 071840E	73	25/62.5	30/200	200	Operational											
		VOR/DME		112.150	58Y		461355N 072307E								461255N 071846E	40/250	40/250	250	Operational				
	ST PREX	VOR/DME		113.900	86X		461256N 071720E								462807N 062653E	100/500	100/500	500	Operational				
	ST.GALLEN-ALTENRHEIN	ILS/DME	10	108.750	24Y	IAL	TRD 472901N 093415E	279	25/62.5	25/100	100	Operational											
	STOCKHORN	DME		89Y	472906N 093316E		STH								Alt=19,29	100/500	501	Assigned	For PBN implementa				
TRASADINGEN	DME	90X	464138N 073219E	TRA		474122N 082613E		100/500	500	Operational	VOR removed, all DM												
WEISSFLUHGIPEL	DME	14			111.750	54Y	IKL	TRD 472736N 083359E	317	25/62.5	25/100	100	Operational										
WILLISAU	VOR/DME		116.900	116X											472850N 083226E	472734N 083155E	472727N 083359E	472727N 083400E	96	25/62.5	25/100	100	Operational
ZURICH	GBAS		114.050												472845N 083201E	472704N 083307E	473532N 084904E	155	25/62.5	25/100	100	Operational	
	ILS/DME	16	110.500	42X	IZH	TRD 472635N 083330E	335	25/62.5	25/100	100	Operational												
			109.750	34Y		472705N 083307E							472704N 083307E	473532N 084904E	80/500	80/500	500	Operational					
	VOR/DME	34	110.750	44Y	IZS	TRD 472734N 083155E	155	25/62.5	25/100	100	Operational												
ZURICH/EAST	VOR/DME		110.050	37Y		ZUE							472705N 083307E	472704N 083307E	473532N 084904E	80/500	80/500	500	Operational				
SVK	ALL SLOVAKIA	TAC		126X	SVZ	ALL SLOVAK REPUBLIC(LAND)			40/250	250	Operational	MIL											

SVK	BRATISLAVA/IVA NKA	ILS/DME	22	108.300	20X	OKR	TRD 480931N 171147E 481036N 171329E	44	25/62.5	25/100	100	Operational	
			31	110.700	44X		OB	TRD 481042N 171200E 480937N 171351E 485400N 194415E	134	25/62.5	50/100	100	Operational
	CERTOVICA	DME			114Y	CRT	Alt=1378 485525N 212744E			80/450	450	Operational	
	DUBNIK	DME			23Y	DUB	Alt=874 485117N 203059E			80/450	450	Operational	
	GRAJNAR	DME			21Y	GRJ	Alt=1042			80/450	450	Assigned	
	JANOVCE	VOR/DME		110.800	45X	JAN	481043N 173241E		60/500	60/500	500	Operational	
	KOSICE	ILS/DME	01	109.500	32X	KE	TRD 484052N 211451E 483908N 211409E	193	25/62.5	25/100	100	Operational	
		VOR/DME		108.200	19X		KSC		484059N 211453E	80/100	80/100	100	Operational
	KOSICE MAROVKA	DME			99X	KSM	Alt=672 491557N 203634E			80/450	450	Operational	
	KOTNIK	DME			88X	KTN	Alt=880			80/450	450	Operational	
	MALACKY	ILS/DME	19	111.550	52Y	RP	TRD 482300N 170600E	17	25/62.5	25/250	250	Operational	MIL
		TAC		107X	MLC		482200N 171200E 482043N 171835E		40/250	250	Operational	MIL	
	MODRA MOLDAVA NAD	DME			89Y	MDA	Alt=259 483535N 205947E			80/450	450	Operational	
	BODVOU	DME			45Y	MLD	Alt=200			80/450	450	Operational	
	NITRA	VOR/DME		116.500	112X	NIT	@481726N 180302E 483707N 174940E		80/500	80/500	500	Operational	
	PIESTANY	DME			83Y	PNY	Alt=166			80/450	450	Operational	
	POPRAD	ILS/DME	01	109.300	30X	CN	TRD 483811N 174958E 483707N 174940E	194	25/62.5	25/63	63	Operational	
		VOR/DME		112.100	58X		PPD		490353N 202100E	60/500	60/500	500	Operational
	POPRAD/TATRY	ILS/DME	27	110.100	38X	TT	TRD 490429N 201305E 490419N 201517E	94	25/62.5	25/63	63	Operational	
	HALAGOS PRESOV	TAC			80X	PRH	490600N 212200E 485842N 211707E			40/250	250	Operational	MIL
	ZABORSKE	DME			19Y	PSV	Alt=313			80/450	450	Assigned	
	SLIAC	ILS/DME	36	108.700	24X	FS	TRD 483908N 190805E 483746N 190754E	182	25/62.5	25/100	100	Operational	MIL
		VOR/DME		114.000	87X		SLC		482712N 190657E	60/500	60/500	500	Operational

SVK	ZILINA	ILS/DME	06	108.150	18Y	ZNA	TRD 491412N 183728E 491352N 183636E	245	25/62.5	25/250	250	Operational	
SVN	ALL SLOVENIA	TAC			112Y		ALL SLOVENIA(LAND)			40/250	250	Assigned	MIL
					26Y		ALL SLOVENIA(LAND)			40/250	250	Assigned	MIL
					34X		ALL SLOVENIA(LAND)			40/250	250	Assigned	MIL
					54X		ALL SLOVENIA(LAND)			40/250	250	Assigned	MIL
	BISTRICA	VOR/DME		114.800	95X	ILB	453356N 141015E TRD @455400N		60/500	60/500	500	Operational	
	CERKLJE	ILS/DME	09	111.100	48X	CKL	153300E 455405N 153114E	270	25/62.5	25/100	100	Operational	MIL , operational 201
		VOR/DME		108.250	19Y	COK	455404N 153114E		50/250	50/250	250	Operational	MIL DVOR
	DOLSKO	VOR/DME		112.700	74X	DOL	460503N 144643E		100/500	100/500	500	Operational	
	LJUBLJANA	VOR/DME		117.200	119X	LBL	461419N 142543E		50/250	50/250	250	Operational	
	LJUBLJANA/BRNIK	ILS/DME	30	110.500	42X	LJB	TRD 461404N 142611E 461256N 142814E	126	25/62.5	25/100	100	Operational	
	MARIBOR/MARIBOR	ILS/DME	32	110.100	38X	MAR	TRD 462930N 154029E 462819N 154130E	146	25/62.5	25/100	100	Operational	
	PORTOROZ	VOR/DME		115.150	98Y	POR	452829N 133644E		50/250	50/250	250	Operational	TVOR
TJK	DUSHANBE AEROPORT INTERNATIONAL	ILS		-		IFN	382900N 684800E		25/62.5		62	Assigned	
TUN	ENFIDHA	ILS/DME	09	109.300	30X	NZI	TRD 360432N 102736E 360429N 102525E	270	25/62.5	40/100	100	Assigned	
		VOR/DME		114.350	90Y	NBA	@360426N 102606E		200/500	170/500	500	Assigned	DVOR VOR/DME (doc
	BEN AOUN	VOR		115.300		BAN	345147N 091003E		200/500		500	Operational	
	BIZERTE	VOR/DME		114.200	89X	BIZ	371413N 094559E		100/500	100/500	500	Assigned	DVOR
	CAP BON	VOR		112.700		CBN	365344N 110518E		150/500		500	Operational	
	DJERBA/ZARZIS	ILS/DME	09	109.500	32X	JAZ	TRD 335233N 104746E 335234N 104549E	269	25/62.5	25/100	100	Operational	
		VOR/DME		112.200	59X	JBA	335238N 104618E		150/500	150/500	500	Operational	
	EL BORMA	VOR		113.800		EBA	314221N 091517E		40/250		250	Assigned	
	GABES	VOR/DME		115.400	101X	GAB	334356N 095513E		25/100	100/450	450	Assigned	
	GAFA	VOR/DME		109.000	27X	GAF	342514N 084927E		100/500	100/500	500	Assigned	
	MONASTIR/H.BO						TRD 354544N 104619E						
	URGUIBA	ILS/DME	07	109.900	36X	MIS	354521N 104429E	254	25/62.5	25/100	100	Operational	
	MONASTIR/SKA												
	NES	VOR/DME		113.100	78X	MON	354518N 104453E		100/500	100/500	500	Assigned	
	SFAX/THYNA	VOR/DME		114.000	87X	SFX	344258N 104120E		100/450	100/450	450	Operational	

TUN	TABARKA	ILS/DME	27	110.700	44X	TAB	TRD 365851N 085125E	93	25/62.5	25/100	100	Assigned		
		VOR/DME		113.300	80X		TBK		365842N 085315E	200/500	200/500	500	Assigned	
	TOZEUR/NEFTA	ILS/DME	09	110.500	42X	TOZ	TRD 335622N 080716E	270	25/62.5	25/100	100	Operational		
		VOR/DME		117.000	117X		TON		335627N 080513E	135/300	135/300	300	Assigned	
	TUNIS	ILS/DME	27	108.100	18X	EBI	TRD 360433N 102501E	90	25/62.5	40/100	100	Assigned		
	TUNIS/CARTHAG E	ILS/DME	19	110.300	40X	TSI	TRD 365012N 101323E	12	25/62.5	25/100	100	Operational		
			29	108.500	22X	TKE	TRD 365119N 101254E	113	25/62.5	25/100	100	Assigned	100W	
			01	111.100	48X	TBL	TRD 365209N 101355E	193	25/62.5	25/100	100	Assigned		
		VOR/DME		116.500	112X	TUC	365031N 101323E		100/500	100/500	500	Assigned		
	TUR	ADANA	ILS/DME	05	108.700	24X	IADA	TRD 365926N 351741E	234	25/62.5	25/100	100	Assigned	
VOR/DME			112.700		74X	ADA		365832N 351618E		100/500	100/500	500	Assigned	
ADANA/INCIRLIK		ILS	23	111.700		IDNA	TRD 365929N 352430E	53	25/62.5		62	Assigned		
		TAC		05	109.300		21X		IDAN	TRD 370045N 352636E	233	25/62.5		62
ADYAMAN ADYAMAN- KAHTA		ILS/DME	04	110.500	42X	IADY	TRD 370056N 352654E	229		200/600	600	Assigned		
		VOR/DME		113.600	83X		DAN		TRD 374422N 382852E	229	25/62.5	25/100	100	Assigned
AFYON		ILS/DME	31R	109.350	30Y	IKFK	TRD 374351N 382808E	134	25/62.5	25/100	100	Assigned		
		TAC			99X		KFK		374329N 382724E		100/400	100/400	400	Assigned
		VOR/DME		112.200	59X		KFK		TRD 384424N 303502E		150/500	150/500	500	Assigned
AGRI		ILS/DME	16	108.150	18Y	IAGR	TRD 393836N 430149E	345	25/62.5	40/250	250	Assigned		
	VOR/DME	116.700		114X	ARI		394009N 430121E		50/250	50/250	250	Assigned		
AKHISAR	TAC			39X	AKI	393845N 430138E			200/600	600	Operational			
AKINCI	TAC			92X	ZIR	384900N 275100E			200/600	600	Assigned			
						400510N 323434E								

TUR	ALL TURKEY	TAC			108X			ALL TURKEY(LAND)		100/300	300	Operational	EAST ONLY		
					112Y	MSD	ALL TURKEY(LAND)		40/250	250	Assigned				
					115X		ALL TURKEY(LAND)		100/400	400	Operational	WEST ONLY			
					118X		ALL TURKEY(LAND)		100/300	300	Operational	WEST ONLY			
					125X		ALL TURKEY(LAND)		100/400	400	Operational	EAST ONLY			
					26Y	MSA	ALL TURKEY(LAND)		40/250	250	Assigned				
					34X	MSB	ALL TURKEY(LAND)		40/250	250	Operational				
					54X	MSC	ALL TURKEY(LAND)		40/250	250	Operational				
				VOR			112.600			ALL TURKEY(LAND)	100/500		500	Operational	MOBILE
				AMASYA/MERZIFON											
			ILS/DME	05	109.150	28Y	IMNI	405000N 353100E		25/62.5	50/250	250	Operational		
			TAC			30X	MNI	404931N 353035E			200/600	600	Assigned		
						76X	MNI	405000N 353200E			100/400	400	Operational		
			VOR/DME		109.800	35X	MNI	404917N 353047E		100/400	100/400	400	Assigned		
		ANKARA/AKINCI	ILS/DME	03	109.550	32Y	IZIR	TRD 400540N 323443E 400408N 323320E	213	25/62.5	25/100	100	Assigned		
		ANKARA/AKKOPRU	VOR/DME		114.900	96X	ANK	395711N 324941E		25/100	25/100	100	Assigned	DHMI	
		ANKARA/BAGLUM	VOR/DME		113.100	78X	BAG	400412N 324838E		150/500	150/500	500	Assigned		
		ANKARA/ESENBAGA	ILS/DME	03C	110.900	46X	IAES	TRD 400748N 330105E	210	25/62.5	25/100	100	Assigned	DHMI	
				03L	108.900	26X	IAKR	TRD 400839N 330032E 400714N 325904E	216	25/62.5	25/100	100	Assigned		
				03R	110.300	40X	IANK	TRD 400837N 330041E 400700N 325903E	216	25/62.5	25/100	100	Assigned		
			21C	110.750	44Y	IAEG	TRD 400552N 325914E	30	25/62.5	25/100	100	Assigned	DHMI		
			21L	108.100	18X	IESB	TRD 400640N 325850E 400823N 330022E	36	25/62.5	25/100	100	Assigned			
			21R	108.300	20X	IEBG	TRD 400651N 325849E 400826N 330014E	36	25/62.5	25/100	100	Assigned			
	ANTALYA	VOR/DME		112.100	58X	ESB	400848N 330045E		25/100	25/100	100	Assigned			
				114.850	95Y	NBG	400804N 330114E		25/100	25/100	100	Assigned	DHMI		
		DME			28X	ANT	365233N 304722E			25/500	500	Assigned			
		ILS/DME	18C	108.700	24X	IATY	TRD 365256N 304725E 365446N 304735E	6	25/62.5	25/100	100	Assigned			
			18L	109.750	34Y	ILRA	TRD 365241N 304825E 365200N 304800E	6	25/62.5	40/100	100	Assigned			

TUR	ANTALYA	ILS/DME	36C	110.300	40X	IAYT	TRD 365509N 304743E 365318N 304723E	186	25/62.5	25/100	100	Assigned	
			36R	108.100	18X	IALY	TRD 365450N 304842E 365300N 304832E	186	25/62.5	25/100	100	Assigned	
		TAC			102X	AYT	365433N 304723E			200/600	600	Assigned	
		VOR/DME		111.650	53Y	LRA	365238N 304820E		40/250	40/250	250	Assigned	
				114.000	87X	AYT	365515N 304740E		150/500	150/500	500	Assigned	
	ANTALYA/ANTALYA HAVALIMANI	VOR/DME		116.150	108Y	LRA	365504N 304840E		40/250	40/250	250	Assigned	DHMI
	ANTALYA/GAZIPASA	ILS/DME	08	108.500	22X	IGZP	TRD 361802N 321844E	261	25/62.5	25/100	100	Assigned	
	ARTVIN/RIZE	ILS/DME	07	110.900	46X	IART	TRD 411038N 404956E	250	25/62.5	25/100	100	Assigned	DHMI
		VOR/DME		110.450	41Y	ART	411040N 405118E		25/100	25/100	100	Assigned	
	AYDIN/CILDIR	VOR/DME		113.850	85Y	CLD	374853N 275347E		25/100	25/100	100	Assigned	
	BALIKESIR	ILS/DME	36	111.750	54Y	IBRI	TRD 393809N 275536E 393631N 275526E	182	25/62.5	65/100	100	Assigned	
		TAC			43X	BRI	393704N 275540E			200/600	600	Assigned	
					96X	BRI	393600N 275600E			100/300	300	Operational	
	BALIKESIR/EDREMIT	VOR/DME		109.400	31X	EDR	393303N 270018E		30/250	30/250	250	Assigned	
	BALIKKESIR	VOR/DME		112.250	59Y	BRI	393754N 275544E		100/250	60/250	250	Assigned	
	BALIKKESIR/KORFEZ	ILS/DME	05	108.900	26X	IKFZ	TRD 393341N 270134E 393249N 265954E	234	25/62.5	25/100	100	Assigned	
	BANDIRMA	ILS/DME	36	108.300	20X	IBDM	TRD 402010N 275842E 401826N 275834E	181	25/62.5	25/100	100	Assigned	
		TAC			104X	BDM	402000N 275800E			100/400	400	Operational	
					47X	BDM	401900N 275856E			200/600	600	Assigned	
	BATMAN	ILS/DME	02	108.100	18X	IBAT	TRD 375643N 410736E 375509N 410634E	206	25/62.5	50/250	250	Assigned	
TAC		102X			BAT	375500N 410000E	100/300			300	Operational		
		53X			BAT	375455N 410620E	200/600			600	Assigned		
VOR/DME		116.200			109X	BAT	375615N 410712E			100/500	100/500	500	Assigned
BAYBURT-GUMUSHANE	ILS/DME	07	111.100	48X	IBYG	TRD 401316N 394710E	250	25/62.5	25/100	100	Assigned	DHMI	
	VOR/DME		115.400	101X	BYG	401328N 394734E		50/250	50/250	250	Assigned		
BIGA	VOR/DME		116.900	116X	BIG	401704N 272156E		80/500	25/100	500	Assigned		
BINGOL	ILS/DME	12	108.350	20Y	IBIN	TRD 385115N 403626E 385154N 403511E	301	25/62.5	25/100	100	Assigned		
	VOR/DME		112.100	58X	BNG	385120N 403603E		25/100	25/100	100	Assigned		

TUR	BURSA/YENISEH IR	ILS/DME	25R	108.500	22X	IYEN	TRD 401505N 293229E		74	25/62.5	25/100	100	Assigned	DHMI		
		VOR/DME		115.300	100X		BRY	401536N 293431E		50/250	50/250	250	Assigned			
	CANAKKALE	ILS/DME	04	108.150	18Y	ICNK	TRD 400840N 262606E		222	25/62.5	50/250	250	Assigned			
		VOR/DME		111.200	49X		CNK	400749N 262501E		50/250	50/250	250	Assigned			
	CANAKKALE/CA NAKKALE	TAC			76X	CNK	400828N 262600E			40/180	180	Assigned				
	CARDAK	TAC			60X	CRD	374643N 294131E			100/400	400	Assigned				
	CAYCUMA	VOR/DME		109.600	33X	CAY	413050N 320240E		100/400	100/400	400	Assigned				
	CENGIZ-TOPEL	ILS/DME	27	108.350	20Y	ICNG	TRD 404412N 300348E		96	25/62.5	25/100	100	Assigned			
	VOR/DME	117.400		121X	CTP		404405N 300549E	80/250		80/250	250	Assigned				
	CESME/ALACATI	VOR/DME		115.650	103Y	CSM	381443N 262532E		25/100	25/100	100	Assigned	DHMI			
	CORLU	ILS/DME	04	110.500	42X	ICRL	TRD 410858N 275610E		229	25/62.5	25/100	100	Assigned			
		TAC					106X	CLU		410800N 275500E			100/300		300	Operational
		VOR/DME		114.800	95X		CRL	410903N 275606E		50/250	50/250	250	Assigned			
	CUBUK	VOR/DME		114.300	90X	BUK	401431N 330618E		120/500	120/500	500	Assigned				
	CUKUROVA	ILS/DME		108.350	20Y	ICKR	365200N 350300E		25/62.5	25/100	100	Assigned	Planned			
		VOR/DME		108.550	22Y	ICKU	365200N 350300E		25/62.5	25/100	100	Assigned	Planned			
	DALAMAN	ILS/DME	19	110.900	46X	IDMN	TRD 364148N 284713E		15	25/62.5	25/100	100	Assigned			
					110.100		38X	IDLM		364210N 284726E		25/62.5	25/100	100	Assigned	
		TAC			100X	DAL	364246N 284720E			100/400	400	Assigned				
		VOR/DME		114.700	94X	DAL	364122N 284656E		80/250	80/250	250	Assigned				
	DENIZLI/CARDA K	ILS/DME	23	110.700	44X	ICRD	TRD 374635N 294057E		59	25/62.5	25/100	100	Assigned			
		VOR/DME			112.000		57X	CRD		374724N 294215E		80/40	80/40	40	Assigned	
	DIYARBAKIR	ILS/DME	34	108.500	22X	IDBN	TRD 375446N 401137E		163	25/62.5	25/100	100	Assigned			
		TAC					121X	DIY		375251N 401217E			100/300	300	Operational	
							37X	DIY		375500N 401200E			100/400	400	Assigned	
		VOR/DME		109.400	31X	DYB	375455N 401144E		80/400	80/400	400	Assigned				
	EDREMIT	ILS/DME	05	108.900	26X	IKFZ	375224N 401230E		25/62.5	25/100	100	Operational				
							393200N 270000E									

TUR	ELAZIG	ILS/DME	25	110.300	40X	IELG	TRD 383538N 391544E 383557N 391743E	76	25/62.5	100/250	250	Assigned	DHMI	
			07	110.900	46X	IELZ	TRD 383539N 391553E	256	25/62.5	25/100	100	Assigned		
		VOR/DME		112.150	58Y	ELG	383548N 391702E		50/250	50/250	250	Assigned		
	ELAZIG/HARPUT	VOR/DME		114.700	94X	EZS	384230N 391327E		100/500	100/500	500	Assigned		
	ERKILET/KAYSER I						TRD 384600N 352832E							
		ILS/DME	25	110.300	40X	IKSR	384619N 353033E	76	25/62.5	25/100	100	Assigned		
		TAC			116X	KSR	384549N 352830E			100/400	400	Assigned		
		VOR/DME		116.300	110X	KSR	384632N 353119E		100/250	25/100	250	Assigned		
	ERZINCAN						TRD 394300N 393029E							
		ILS/DME	28	108.900	26X	IEZC	394302N 393030E	111	25/62.5	25/100	100	Assigned		
		TAC			86X	ERN	394300N 393100E			100/400	400	Operational		
		VOR/DME		112.050	57Y	EZN	395614N 385313E		50/250	50/250	250	Assigned		
				112.700	74X	ERN	394230N 393146E		60/250	60/250	250	Assigned		
	ERZURUM						TRD 395729N 411154E							
		ILS/DME	08L	110.700	44X	IEZR	395721N 410906E	268	25/62.5	25/100	100	Assigned		
			26R	110.500	42X	IERZ	TRD 395724N 410831E 395725N 411121E	88	25/62.5	25/100	100	Assigned		
		TAC			51X	ERZ	395732N 410911E			200/600	600	Assigned		
					84X	ERZ	395800N 411200E			100/400	400	Operational		
		VOR/DME		115.500	102X	ERZ	395724N 411226E		80/400	80/400	400	Assigned		
	ESKISEHIR						TRD 394832N 303222E							
		ILS	09	110.300		IESR	394833N 303017E	273	25/62.5		62	Assigned		
		26	108.750	24Y	IESK	TRD 394703N 303333E 394707N 303547E	90	25/62.5	25/100	100	Assigned			
	TAC			91X	ESK	394701N 303423E			134/300	300	Assigned			
	VOR/DME		108.200	19X	ESR	394848N 303045E		20/150	20/150	150	Assigned			
ETIMESGUT						TRD 395648N 324204E								
	ILS	11	110.500		ETI	395716N 324033E	294	25/62.5		62	Assigned			
	TAC			113X	ETI	@395727N 324029E			150/500	500	Assigned			
GAZIANTEP	TAC			15X	GKB	370700N 373800E Alt=350			80/350	350	Assigned			
GAZIANTEP/OGU ZELI						TRD 365708N 372734E								
	ILS/DME	28	109.100	28X	IGNP	365640N 372929E	105	25/62.5	25/100	100	Assigned			
	VOR/DME		116.700	114X	GAZ	365706N 372823E		60/400	60/400	400	Assigned			
GAZIPASA														
	VOR/DME		114.200	89X	GZP	361816N 321751E		60/400	60/400	400	Assigned			
			116.250	109Y	GZV	361756N 321557E		60/400	60/400	400	Assigned			

TUR	GEMEREK	VOR/DME		115.100	98X	GEM	@390914N 360143E		150/500	150/500	500	Assigned	
	HAKKARI/YUKSE												
	KOVA	ILS/DME		108.350	20Y	IIAG	373300N 441300E		25/62.5	25/100	100	Assigned	Planned
		TAC			92X	OVA	373300N 441300E			200/500	500	Assigned	
		VOR/DME		112.100	58X	YKV	373257N 441433E		25/100	25/100	100	Assigned	
	HATAY	ILS/DME	22	108.150	18Y	IHTY	TRD 362102N 361626E 362210N 361750E	43	25/62.5	25/100	100	Assigned	
			04	108.900	26X	IHAT	TRD 362228N 361805E 362118N 361640E	223	25/62.5	25/100	100	Assigned	
		VOR/DME		112.050	57Y	HTY	362147N 361725E		50/250	50/250	250	Assigned	
	HAYMANA	VOR/DME		111.800	55X	HAY	392600N 323000E 392612N 323034E		40/250	40/250	250	Assigned	
	IGDIR	ILS/DME	12	108.350	20Y	IIGD	TRD 395857N 435236E 395800N 435100E	310	25/62.5	25/100	100	Assigned	
		VOR/DME		117.700	124X	GDR	395821N 435311E		25/100	100/500	500	Assigned	
	INEBOLU	VOR/DME		113.300	80X	INB	415705N 334223E		150/500	150/500	500	Assigned	
	ISPARTA	ILS/DME	05	109.150	28Y	ISPT	TRD 375159N 302302E 375103N 302130E	230	25/62.5	25/100	100	Assigned	
		VOR/DME		117.500	122X	IPT	375032N 302041E		50/400	50/400	400	Assigned	
	ISTANBUL	VOR/TAC		112.500	72X	IST	405741N 284839E		120/500	120/500	500	Assigned	
	ISTANBUL/ATAT												
	URK	ILS/DME	17	109.100	28X	ISSY	TRD 405900N 284800E	355	25/62.5	25/100	100	Assigned	
			23	111.900	56X	IATA	TRD 405754N 284831E 405832N 285002E	59	25/62.5	25/100	100	Assigned	
			05	110.300	40X	IIST	TRD 405843N 285017E 405801N 284856E	239	25/62.5	25/100	100	Assigned	
			17L	111.100	48X	IISB	TRD 405805N 284834E 405938N 284826E	358	25/62.5	25/100	100	Assigned	
			35L	111.500	52X	ISEF	TRD 405954N 284822E 405819N 284828E	178	25/62.5	25/100	100	Assigned	
			35R	111.300	50X	IYES	TRD 405954N 284830E 405819N 284829E	178	25/62.5	25/100	100	Assigned	
ISTANBUL/B.CEK													
MECE	VOR/DME		114.600	93X	CEK	410024N 283143E		30/250	30/250	250	Assigned		
ISTANBUL/BEYK													
OZ	VOR/DME		117.300	120X	BKZ	@410737N 290834E		120/500	120/500	500	Assigned		
ISTANBUL/ISTAN													
BUL													
HAVALIMANI	ILS/DME	09	108.100	18X	IUCM	TRD 411524N 284830E	270	25/62.5	25/100	100	Assigned	DHMI	

TUR	ISTANBUL/ISTANBUL	ILS/DME	16R	110.350	40Y	IUCB	TRD 411755N 284224E	0	25/62.5	25/100	100	Assigned	DHMI
			17L	111.950	56Y	IUCF	TRD 411756N 284337E	0	25/62.5	25/100	100	Assigned	DHMI
			18R	110.950	46Y	IUCD	TRD 411745N 284523E	0	25/62.5	25/100	100	Assigned	DHMI
			34L	108.550	22Y	IUCA	TRD 411553N 284226E	180	25/62.5	25/100	100	Assigned	DHMI
			35R	109.550	32Y	IUCE	TRD 411543N 284339E	180	25/62.5	25/100	100	Assigned	DHMI
			36L	111.350	50Y	IUCC	TRD 411544N 284525E	180	25/62.5	25/100	100	Assigned	DHMI
	ISTANBUL/SABIH A GOKCEN	ILS/DME	24	109.350	30Y	ISGB	TRD 405302N 291757E	60	25/62.5	25/100	100	Assigned	DHMI
			06	110.150	38Y	ISGN	TRD 405357N 292032E	240	25/62.5	25/100	100	Assigned	DHMI
	ISTANBUL/YENI HAVALIMANI	VOR/DME		110.750	44Y	ISAB	TRD 405421N 291946E 405334N 291749E	244	25/62.5	25/100	100	Assigned	DHMI
				115.850	105Y	SGN	405405N 292040E		40/250	40/250	250	Assigned	DHMI
		VOR/DME		108.250	19Y	UHM	411834N 284332E		60/500	60/500	500	Assigned	DHMI
				109.850	35Y	UHN	411813N 284525E		60/500	60/500	500	Assigned	DHMI
				110.000	37X	UHL	411844N 284227E		60/500	60/500	500	Assigned	DHMI
				111.650	53Y	UHO	411813N 284640E		60/500	60/500	500	Assigned	DHMI
				113.350	80Y	UHP	411758N 284747E		60/500	60/500	500	Assigned	DHMI
		114.050	87Y	UHR	411526N 285134E		60/500	60/500	500	Assigned	DHMI		
	IZMIR/A.MENDE RES	ILS/DME	16L	108.500	22X	IIMR	TRD 381635N 270942E 381812N 270909E	346	25/62.5	25/100	100	Assigned	
			34R	110.300	40X	IMEN	TRD 381834N 270907E 381650N 270933E	167	25/62.5	25/100	100	Assigned	
					98X	MEN	381753N 270927E			200/600	600	Assigned	
	IZMIR/ADNAN MENDERES	VOR/DME		117.900	126X	MEN	381742N 270931E		160/400	160/400	400	Assigned	
			16R	109.100	28X	IZMA	TRD 381822N 270902E	346	25/62.5	25/100	100	Assigned	DHMI
	IZMIR/CATALKAY A	VOR/DME	34L	111.300	50X	IZMR	TRD 381640N 270933E	166	25/62.5	25/100	100	Assigned	DHMI
				113.700	84X	IMR	381903N 270026E		100/500	100/500	500	Assigned	
	IZMIR/CIGLI	ILS/DME	17	108.150	18Y	ICIG	TRD 382944N 270042E 383125N 270027E	356	25/62.5	25/100	100	Assigned	
					83X	CIG	382942N 270033E			200/600	600	Assigned	
	IZMIR/KAKLIC	TAC			88Y	KLC	383117N 265845E Alt=0			200/250	250	Assigned	

TUR	KAHRAMANMARAS	ILS/DME	25	111.100	48X	IKAH	TRD 373226N 365746E	75	25/62.5	25/100	100	Assigned	DHMI		
		VOR/DME		113.900	86X		KHM		373224N 365711E	100/500	100/500	500		Assigned	
	KAKLIC/IZMIR	ILS/DME	17	110.150	38Y	IKLC	TRD 383001N 265844E 383142N 265839E	356	25/62.5	25/100	100	Assigned			
	KARS	ILS/DME	06R	108.300	20X	IKAR	TRD 403413N 430812E 403321N 430601E	244	25/62.5	25/100	100	Assigned			
		TAC			80X		KAR		403300N 411200E	100/400	400	Operational			
		VOR/DME		113.800	85X		KAR		403324N 430614E	100/500	100/500	500	Assigned		
	KASTAMONU	ILS/DME	18	108.500	22X	IKAS	TRD 411810N 334739E 411918N 334754E	6	25/62.5	25/100	100	Assigned			
		VOR/DME		115.200	99X		KST		412101N 334800E	25/100	25/100	100	Assigned	DHMI	
	KONYA	ILS/DME	01L	108.900	26X	IKNY	TRD 375952N 323400E 375806N 323315E	197	25/62.5	25/100	100	Assigned			
		TAC			88X		KON		375950N 323345E	100/500	500	Assigned			
		VOR/DME		111.200	49X		KNY		375949N 323353E	60/250	60/250	250	Assigned		
	KUTAHYA	ILS/DME	13	108.100	18X	IZFR	TRD 390605N 300843E 390704N 300709E	311	25/62.5	25/100	100	Assigned			
				31	111.300		50X		IZFE	TRD 390718N 300655E 390613N 300823E	131	25/62.5	25/100	100	Assigned
		TAC					81X		KUT	392547N 300046E			88/250	250	Assigned
		VOR/DME		112.300	70X	KTH	390624N 300805E		25/100	25/100	100	Assigned			
	MALATYA MALATYA/ERHAC	ILS/DME	21L	109.900	36X	IMLY	TRD 382511N 380444E 382648N 380553E	32	25/62.5	25/100	100	Assigned			
		TAC			82X		ERH		382630N 380510E	200/600	600	Assigned			
		VOR/DME		112.000	57X		ERH		382745N 380644E	80/400	80/400	400	Assigned		
	MANISA/KULA	VOR/DME		112.050	57Y	DEN	383441N 283610E		50/250	50/250	250	Assigned			
	MARDIN	ILS/DME	03	108.900	26X	IMRD	TRD 371404N 403832E 371257N 403734E	217	25/62.5	25/100	100	Assigned	DHMI		
		VOR/DME		116.900	116X		MRD		371340N 403819E	100/400	100/400	400		Assigned	
	MERZIFON	ILS/DME	05R	110.500	42X	IMRI	TRD 405028N 353236E 404928N 353037E	235	25/62.5	65/100	100	Assigned			
	MILAS/BODRUM	ILS/DME	10L	109.300	30X	IBDR	TRD 371447N 274105E 371520N 273910E	287	25/62.5	50/250	250	Assigned			
				28R	108.700		24X		IGML	TRD 371520N 273847E 371457N 274045E	107	25/62.5	25/100	100	Assigned

TUR	MILAS/BODRUM	TAC		69X	BOD	371507N 273902E		40/250	250	Assigned			
		VOR/DME		116.700	114X	BDR	371508N 274006E 371507N 274005E	100/500	100/500	500	Assigned		
	MUS	ILS/DME	29R	108.500	22X	IMUS	TRD 384525N 413816E 384435N 414037E	116	25/62.5	25/100	100	Assigned	
		TAC			111X	MUS	384508N 413922E			100/400	400	Assigned	
	MUT	VOR/DME		111.200	49X	MUS	384458N 413939E		100/400	100/400	400	Assigned	
		VOR/DME		112.300	70X	MUT	365147N 331731E		150/500	150/500	500	Assigned	
	NEVSEHIR/KAPA DOKYA	ILS/DME	11	110.700	44X	ITZK	TRD 384553N 343309E 384640N 343122E	297	25/62.5	25/100	100	Assigned	
		VOR/DME		115.300	100X	TZK	384601N 343235E		50/250	50/250	250	Assigned	
	ORDU	ILS/DME	28	108.350	20Y	IOGR	TRD 405812N 380358E 405756N 380601E	102	25/62.5	25/100	100	Assigned	
	ORDU/GIRESUN	DME			36Y	GRS	405752N 380540E			25/100	100	Assigned	DHMI
		ILS/DME	10	110.350	40Y	IOGN	TRD 405749N 380623E	282	25/62.5	25/100	100	Assigned	DHMI
	ORDU-GIRESUN RIZEARTVIN/RIZ EARTVIN	VOR/DME		114.400	91X	ORI	405752N 380510E		25/100	25/100	100	Assigned	
		ILS/DME	24	108.550	22Y	IRAT	TRD 411047N 405056E	69	25/62.5	25/100	100	Assigned	DHMI
	SABIHA GOKCEN	ILS/DME	24	110.900	46X	ISBH	TRD 405330N 291725E 405407N 291921E	64	25/62.5	25/100	100	Assigned	
		VOR/DME		108.800	25X	SBH	405359N 291913E		40/250	40/250	250	Assigned	
	SAMSUN/CARSA MBA	ILS/DME	13	110.100	38X	CRM	TRD 411437N 363456E 411546N 363328E	314	25/62.5	25/100	100	Assigned	
		VOR/DME	31	109.750	34Y	ISMS	TRD 411556N 363255E	133	25/62.5	25/100	100	Assigned	DHMI
	SANLIURFA/GAP	VOR/DME		112.800	75X	CRM	411556N 363256E		100/500	100/500	500	Assigned	
		ILS/DME	22	110.700	44X	ISAN	TRD 372741N 385448E	41	25/62.5	25/100	100	Assigned	DHMI
	SELCUK SIIRT		04	111.900	56X	ISUR	TRD 372748N 385456E 372614N 385304E	222	25/62.5	25/100	100	Assigned	
		VOR/DME		113.200	79X	GAP	372729N 385417E		100/400	100/400	400	Assigned	
			117.700	124X	URF	370538N 385041E		80/400	80/400	400	Assigned		
VOR/DME			113.200	79X	SEL	375656N 272001E		25/100	25/100	100	Assigned		
DME				59X	SIR	375836N 415012E			25/100	100	Assigned		
	ILS/DME	06	108.550	22Y	ISTR	TRD 375858N 415108E 375829N 414951E	248	25/62.5	25/100	100	Assigned		
	VOR/DME		114.300	90X	SRT	375438N 415255E		150/500	150/500	500	Assigned		

TUR	SINOP	ILS/DME	23	108.900	26X	ISDP	TRD 420044N 350339E	54	25/62.5	25/100	100	Assigned	
		VOR/DME		114.000	87X		SIN		420120N 350437E	100/400	100/400	400	Assigned
SIRNAK	SIRNAK	ILS/DME	11	108.350	20Y	ISNK	TRD 372129N 420432E	296	25/62.5	25/100	100	Assigned	
		VOR/DME		112.300	70X		RNA		372154N 420341E	25/100	25/100	100	Assigned
SIVAS	SIVAS	ILS/DME	01	109.100	28X	ISVS	TRD 394958N 365441E	198	25/62.5	25/100	100	Assigned	
		VOR/DME		114.200	89X		SIV		394723N 365336E	100/400	100/400	400	Assigned
SIVRIHISAR	SIVRIHISAR	TAC			29X	SYT	392645N 312227E			200/600	600	Assigned	
TEKIRDAG	TEKIRDAG	VOR/DME		116.300	110X	EKI	405704N 272534E		80/500	80/500	500	Assigned	
TOKAT	TOKAT	ILS/DME	22	108.550	22Y	ITKA	401800N 362100E		25/62.5	25/100	100	Assigned	
		VOR/DME		115.000	97X		TKT	401854N 362239E	100/500	100/500	500	Assigned	
TOPEL	TOPEL	TAC			86X	ARF	404416N 300355E			100/600	600	Assigned	
TRABZON	TRABZON	ILS/DME	11	109.100	28X	ITBZ	TRD 405923N 394824E	292	25/62.5	25/100	100	Assigned	
TRABZON/TRABZON	TRABZON/TRABZON	ILS/DME	29	108.900	26X	ITRB	TRD 410002N 394619E	112	25/62.5	25/100	100	Assigned	DHMI
TRABZON/TRABZON HAVALIMANI	TRABZON/TRABZON HAVALIMANI	VOR/DME		114.900	96X	TBN	410000N 394800E		100/500	100/500	500	Assigned	DHMI
USAK	USAK	ILS/DME	27	111.150	48Y	IUSK	384100N 292700E		25/62.5	50/250	250	Operational	
		VOR/DME		108.000	17X		USK	384101N 292831E	80/250	80/250	250	Assigned	
VAN	VAN	ILS/DME	03	108.300	20X	IVAN	TRD 382845N 432035E	218	25/62.5	25/100	100	Assigned	
		VOR/DME		115.200	99X		VAN		@382758N 431931E	80/500	80/500	500	Assigned
VAN/FERIT MELEN	VAN/FERIT MELEN	DME			27X	DMA	382809N 432007E			50/400	400	Assigned	DHMI
YALOVA	YALOVA	TAC			50X	DVF	382809N 432007E			50/400	400	Assigned	DHMI
		VOR/DME		117.700	87X	YLV	404100N 292200E			40/250	250	Operational	
YENISEHIR	YENISEHIR	VOR/DME			124X	YAA	402830N 291227E		100/500	100/500	500	Assigned	
		TAC			79X	YEN	401600N 293500E			200/600	600	Operational	
YOZGAT/YOZGAT	YOZGAT/YOZGAT	ILS/DME	09	111.300	50X	IYGT	TRD 395323N 345755E	270	25/62.5	25/100	100	Assigned	DHMI
		VOR/DME		109.000	27X		YZG		395320N 345818E	50/250	50/250	250	Assigned
ZONGULDAK/CA	ZONGULDAK/CA	ILS/DME	36	109.750	34Y	IZCA	TRD 413054N 320511E	186	25/62.5	25/100	100	Assigned	DHMI
UKR	BAKHMACH	DME			114X	BAH	510354N 325312E			160/500	500	Operational	
		DME			47X	CHR	Alt=149			160/500	500	Assigned	
	CHERLYANY	DME					494353N 234101E						

UKR	CHERNIVTSI	ILS	15	109.500		ICN	TRD 481451N 255921E 481558N 255838E	333	25/62.5		62	Operational
			33	110.300		ICR	TRD 481625N 255809E 481509N 255900E	153	25/62.5		62	Operational
	DNIPROPETROV S'K	ILS	26	110.300		IDR	TRD 482126N 350424E 482122N 350659E	90	25/62.5		62	Operational
			08	109.500		IDP	TRD 482126N 350738E 482121N 350508E	270	25/62.5		62	Operational
		VOR/DME		112.500	72X	DNP	482135N 350611E		200/500	200/500	500	Operational
	DONETS'K	ILS	26	111.700		IDO	TRD 480359N 374101E	89	25/62.5		62	Operational
	IVANO- FRANKIVS'K	ILS	10	108.700		IIV	TRD 485249N 244225E 485313N 244021E	284	25/62.5		62	Operational
			28	109.300		IIF	TRD 485315N 243943E 485259N 244150E 485303N 244129E	104	25/62.5		62	Operational
	KERCH	VOR/DME		114.200	89X	IVF	Alt=277		140/500	140/500	500	Operational
		DME				110X	KRH	451836N 362635E			200/50	50
	KHARKIV	ILS/DME	25	111.700	54X	IHA	TRD 495531N 361614E 495544N 361810E Alt=0	83	25/62.5	25/100	100	Operational
			07	111.100	48X	IHR	TRD 495543N 361842E 495537N 361640E Alt=0	263	25/62.5	25/100		100
	KHARKIV/SOKOL 'NYKY	VOR/DME		116.500	112X	KHR	495544N 361726E Alt=164		150/500	160/500	500	Operational
		ILS	02	109.100		IVQ	TRD 500100N 361501E	208	25/62.5		62	Operational
	KHERSON	ILS	03	110.100		IHE	TRD 464128N 323114E 464011N 322952E 464033N 323007E	213	25/62.5		62	Operational
			VOR/DME		116.250	109Y	KHE	Alt=164 483240N 321731E		160/500	200/500	500
	KIROVOHRAD	VOR/DME		114.900	96X	KVH	Alt=184 505646N 305840E		150/500	160/500	500	Operational
	KOSHANY	DME			23X	KSN	Alt=146			160/500	500	Operational
	KRYVVI RIH/LOZUVATKA	DME			107X	KVR	480304N 331244E Alt=131			160/500	500	Operational

UKR	KRYVYI RIH/LOZUVATKA	ILS	18	110.100		IRG	TRD 480130N 331219E 480059N 331201E	5	25/62.5		62	Operational	
			36	108.300			IRO	TRD 480350N 331239E 480359N 331301E	185	25/62.5		62	Operational
	KYIV/ANTONOV	ILS	15	111.900		ILC	TRD 503508N 301218E 503657N 301104E	334	25/62.5		62	Operational	
			33	108.700			IGO	TRD 503714N 301043E 503532N 301207E	154	25/62.5		62	Operational
	KYIV/ANTONOV- 2 INTERNATIONAL	ILS/DME	33	108.150	18Y	IGA	TRD 503713N 301042E	328	25/62.5	25/100	100	Assigned	
	KYIV/BORISPOL'	ILS	18L	111.300		IBI	TRD 501859N 305412E 502128N 305416E	3	25/62.5		62	Operational	
			18R	108.900			IKB	TRD 501844N 305243E 502058N 305244E	3	25/62.5		62	Operational
			36L	110.500			IKE	TRD 502144N 305256E 501925N 305237E	183	25/62.5		62	Operational
			36R	109.700			INO	TRD 502203N 305425E 501939N 305408E	183	25/62.5		62	Operational
		ILS/DME	18L	111.300	50X	IBI	TRD 501858N 305411E 501708N 305404E	3	25/62.5	25/100	100	Assigned	
		VOR/DME		115.900	106X	BRP	Alt=129		150/500	160/500	500	Operational	
	KYIV/ZHULYANY	ILS/DME	26	108.300	20X	IKV	TRD 502403N 302547E 502404N 302744E	86	25/62.5	25/100	100	Operational	
			08	111.700	54X		IKI	TRD 502409N 302811E 502400N 302627E	266	25/62.5	25/100	100	Operational
		VOR/DME		113.950	86Y	KVZ	502413N 302655E		160/500	200/500	500	Assigned	
	L'VIV	ILS/DME	13	109.500	32X	ILO	TRD 494750N 235838E 494854N 235653E	316	25/62.5	25/100	100	Operational	
			31	110.300	40X		ILV	TRD 494921N 235621E 494805N 235806E	136	25/62.5	25/100	100	Operational
		VOR/DME		115.500	102X	LIV	494843N 235705E 492206N 361229E		100/500	100/500	500	Operational	
	LYKHACHEVE	DME			35X	LIH	Alt=181			160/500	500	Assigned	

DVOR

UKR	MALYNIVKA	DME			103X	MLY	465530N 302339E			160/500	500	Assigned	
	MYKOLAIV	ILS	04	110.700		INI	TRD 470414N 315630E 470313N 315430E	231	25/62.5		62	Operational	
		ILS/DME	22	111.900	56X	INK	TRD 470253N 315406E	231	25/62.5	25/100	100	Assigned	
			04	109.300	30X	INI	TRD 470404N 315612E	51	25/62.5	25/100	100	Assigned	
		VOR/DME		116.400	111X	MKL	470409N 315621E		160/500	200/500	500	Assigned	DVOR
	ODESSA	VOR/DME		113.950	86Y	ODS	470409N 315621E 462549N 304015E		160/500	200/500	500	Assigned	DVOR
				114.350	90Y	ODA	462534N 304011E Alt=164		200/500	200/500	500	Operational	DVOR
	ODESSA/TSENR ALNY	ILS	16	108.300		IOD	TRD 462423N 304107E 462609N 304012E	343	25/62.5		62	Operational	
			34	110.300		IOE	TRD 462648N 304004E 462500N 304042E	163	25/62.5		62	Operational	
		ILS/DME	16	109.100	28X	IOD	TRD 462435N 304052E	159	25/62.5	25/100	100	Assigned	
			34	111.100	48X	IOE	TRD 462635N 303954E Alt=55	339	25/62.5	25/100	100	Assigned	
						ODA	TRD 462635N 303954E Alt=55	339	25/62.5	25/100	100	Assigned	
	OZERNE	ILS	11	109.900		ZER	TRD 500956N 284816E	292	25/62.5		62	Assigned	
			29	110.150		IZE	TRD 500909N 284531E	112	25/62.5		62	Assigned	
	PECHENIGY	VOR/TAC DME		117.550	122Y 85X	ZRN PCH	500932N 284418E 495416N 365715E		200/500	200/500 160/500	500 500	Assigned Assigned	
	RIVNE	DME			93Y	RVN	503632N 260843E Alt=231			160/500	500	Operational	
	RUDKIVTSI	DME			87Y	RDK	492650N 241224E			100/500	500	Assigned	
	SIMFEROPOL'	ILS	19	111.100		ISF	TRD 450200N 335800E	14	25/62.5		62	Operational	
			01	109.300		ISN	TRD 450500N 335900E	194	25/62.5		62	Operational	
	SIMFEROPOL/ZA VODSKE	VOR/DME		116.600	113X	SMF	450200N 335900E		200/500	200/500	500	Operational	
	SOLOVIIVKA	VOR/DME		113.300	80X	SLV	501112N 293412E		40/250	100/500	500	Operational	DVOR
	STAROKOSTIANT INYV	ILS	11	110.900		IRK	TRD 494509N 271525E	297	25/62.5		62	Assigned	
			29	108.100		ITT	TRD 494438N 271722E	117	25/62.5		62	Assigned	
		VOR/TAC		117.200	119X	SRK	494453N 271625E 492419N 310436E		200/500	200/500	500	Assigned	
	STEBLIV	DME			77X	STB	Alt=146			160/500	500	Operational	

UKR	TERNOPII' USPENIVKA	DME			99Y	TER	493122N 254154E			160/500	500	Assigned				
		DME			98X	SPE	Alt=321			160/500	500	Assigned				
	UZHHOROD	DME			103Y	UZH	460931N 295209E			160/500	500	Operational				
		DME			86X	VIN	483758N 221538E			160/500	500	Operational				
	VINNYTSIA	DME					Alt=117			160/500	500	Operational				
		ILS	13	111.100			Alt=294			160/500	500	Operational				
								TRD 491350N 283749E	IWI	491458N 283627E	318	25/62.5		62	Operational	
			ILS/DME	13	111.100	48X		TRD 491458N 283627E	IWI	318	25/62.5	25/100	100	Assigned		
		VOR/DME			104X		TRD 491342N 283759E	VNN		200/500	200/500	500	Assigned	DVOR		
																115.700
	YAHOTYN	DME			117X		501554N 314740E	YHT		160/500	500	Operational				
	ZAPORIZHZHIA	ILS	02R	110.300			TRD 475308N 351936E	IZA	203	25/62.5		62	Operational			
		ILS/DME	02R	109.300	30X		TRD 475231N 351903E	IZA	202	25/62.5	25/100	100	Assigned			
			20L	111.500	52X		TRD 475111N 351823E	IZP	23	25/62.5	25/100	100	Operational			
																110.000
		VOR/DME					475302N 351932E	ZPR		100/500	100/500	500	Assigned	DVOR		
UNK	PRISTINA	ILS/DME	35	108.500	22X		TRD 423331N 210214E	IRI	35	25/62.5	40/180	180	Assigned			
		VOR/DME				47Y		BKPR		110/400	110/400	400	Assigned			
UZB	ANDIZHAN	ILS	04	110.500			423331N 210214E	IAN		25/62.5		62	Operational			
		ILS	01	110.300			404400N 721800E	IUH		25/62.5		62	Operational			
	BUKHARA	ILS					394700N 642900E	IZU		25/62.5		62	Assigned			
		ILS					402000N 714400E	IJP		25/62.5		62	Operational			
	FERGANA	ILS					384700N 654600E	ISA		25/62.5		62	Operational			
		ILS	16	109.100			405900N 713200E	IZR		25/62.5		62	Assigned			
	KARSHI	ILS	29	110.100			423000N 593600E	IMZ		25/62.5		62	Operational			
		ILS	33	110.300			394100N 670000E	TMD		200/400	200/400	400	Operational			
	NAMANGAN	ILS	09	109.500			414500N 643600E	IZV		25/62.5		62	Operational			
		VOR/DME				87X		ING		25/62.5	25/100	100	Operational			
TAMDYBULAK	ILS	08R	111.700			411500N 691800E	IFD		25/62.5	25/100	100	Operational				
	ILS/DME	08L	110.500	42X		411500N 691800E	TKT		200/400	200/400	400	Operational				
TASHKENT	VOR/DME	26R	108.500	22X		411500N 691600E	INO		25/62.5		62	Operational				
	VOR/DME				79X		TRZ		200/400	200/400	400	Operational				
	TERMEZ	ILS	25	110.300			371600N 671700E	INU		25/62.5		62	Assigned			
		VOR/DME				81X		URG		200/400	200/400	400	Operational			
	URGENCH	ILS	31	109.500			371700N 671800E			25/62.5		62	Assigned			
		VOR/DME				89X				200/400	200/400	400	Operational			