

ENR 4.4 INDICATIFS CODÉS DES POINTS SIGNIFICATIFS*NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS***a. Pour les vols IFR / For IFR flights.**

Indicatif codé / Name-code designator	Coordonnées / Coordinates	Routes ATS ou autre route / ATS routes or other route	Remark/FRA usage/ FRA relevance E = FRA Horizontal Entry Point X = FRA Horizontal Exit Point A = FRA Arrival Connecting Point D = FRA Departure Connecting Point I = FRA Intermediate point
1	2	3	4
ABATO	303214N 0083311W	TMA/2 GMAD – G/UG664	
ABDOR	315311.49N 0072955.83W	H/UH400 – M/UM372 – Z/UZ801	
ABGIS	352646.01N 0034447.95W	IAF RNAV (GNSS) RWY 17 AD GMTA	
ABIRO	354817N 0061723W	TMA/1 GMTT – N/UN726	
ABKAN	342656.50N 0021405.54W	Point à l'intérieur de la TMA GMFO	
ABMIL	335400N 0075000W	Jonction avec UN871 DEP GMMX	
ABODA	352450N 0075000W	A857 – R/UR722 – UN857	FRA(I)
ABTIR	325056N 0124806W	UN873	FRA(I)
ADILI	355800.00N 0093422.24W	FIR LPPC/GMMM	
ADKIM	355000N 0060142W	Point de sortie FIR GMMM/LECM	
ADRER	345026.07N 0021704.42W	Point à l'intérieur de la TMA GMFO	
ADUBI	355000N 0061837W	FIR GMMM/LECM – UN871	
AGALI	304340N 0092948W	TMA/1 GMAD – R724	
AGAMU	301852,66N 0090541,11W	Point TMA GMAD	
AGDAL	340700N 0071852W	TMA GMMN – G/UG5	
AGOVA	320113.63N 0071158.14W	H/UH400 – M/UM372 – L/UL102 – W/UW900	
AKUDA	355800N 0085700W	FIR GMMM/LPPC – UN858	FRA(X)
ALKIX	341311.47N 0044447.32W	TMA/1 GMFF	
AMKAS	335540.43N 0051534.33W	TMA/1 GMFF	
AMLOK	294900N 0100121W	TMA/2 GMAD – A600	
AMSEL	355800N 0075300W	FIR GMMM/LPPC – R/UR722	FRA(EX)
ARGAB	302058N 0094638W	Point de cheminement à l'intérieur TMA/1 GMAD	
ARIAM	335322N 0013737W	Point d'entrée/sortie FIR GMMM/DAAA – L/UL102 – UT900 – UM999	
ARSOL	295551N 0093312W	TMA/1 GMAD – R975	
ASGAM	350000N 0124242W	Point de sortie FIR NAT	
ATVAR	341932.92N 0051214.60W	TMA/2 GMFF- M/UM240	
BABNA	300043N 0101015W	TMA/2 GMAD – G849	
BAGBO	301902N 0053911W	Point d'entrée/sortie FIR GMMM/DAAA – UJ744	
BAKIM	350232N 0065630W	Jonction avec UN871 DEP GMMN/GMME	
BAMBA	355000N 0062703W	FIR GMMM/LPPC – N/UN726	
BARAM	321449N 0085400W	G/UG5	
BARIS	345411N 0055550W	Intersection voies aériennes B/UB11–H/UH104- N/UN10	
BAROK	355800N 0100124W	FIR GMMM/LPPC – UN873	FRA(EX)
BARPA	355000N 0054000W	FIR GMMM/LECM – UM985	
BENOV	320538.77N 0082716.64W	TMA GMMX– R/UR975	
BENTU	343742N 0111437W	UN 873	
BERUM	355000N 0031409W	FIR GMMM/LECM – G/UG850	
BEXAL	355800N 0112654W	FIR GMMM/LPPC – UN866	FRA(EX)
BIDLA	305344N 0084922W	TMA/2 GMAD – G/UG850	
BIRVO	331711.57N 0081130.00W	Point à l'intérieur de la TMA GMMN	
BISMI	333850N 0065337W	R975 – TMA GMMN	
BODNI	332054N 0075015W	TMA GMMN	
BOKPA	342332.53N 0043515.96W	TMA/2 GMFF – G/UG850	
BULIS	274000N 0090830W	FIRs GMMM/GCCC/GOOO – UR977 – UM372	
BULOK	301051N 0095018W	G/UG850	
DEMUM	335645.92N 0051523.16W	TMA/1 GMFF – A411	
DENOB	310306N 0093522W	TMA/2 GMAD – R724	

Indicatif codé / Name-code designator	Coordonnées / Coordinates	Routes ATS ou autre route / ATS routes or other route	Remark/FRA usage/ FRA relevance E = FRA Horizontal Entry Point X = FRA Horizontal Exit Point A = FRA Arrival Connecting Point D = FRA Departure Connecting Point I = FRA Intermediate point
1	2	3	4
DESUM	302323,82N 0131906,78W	FIR GMMM/GCCC	FRA(E)
DETAD	340257.03N 0043551.20W	TMA/1 GMFF	
DEVLA	291453N 0124306W	FIR GMMM/GCCC – G/UG850	
DEVNO	330237.36N 0074341.65W	Point à l'intérieur de la TMA GMMN	
DEXAD	265542.81N 0131218.14W	IAF RNAV (GNSS) RWY 02 AD GMML	
DIDAN	293710N 0094120W	TMA/2 GMAD – R975	
DIDOV	324430,11N 0060133,31W	H/UH119 – M/UM372	
DIGEX	350749.00N 0022238.00W	TMA GMFO – W/UW700	
DIMSA	315819N 0122356W	UN858	
DIRAD	335811.92N 0063058.48W	B/UB11- TMA GMMN	
DISMA	240855N 0153628W	TMA GMMH – A600F	
DIVUX	290000N 0084759W	UM372	
DOGAN	301354N 0101434W	TMA/2 GMAD - UG664	
DOMOG	330056N 0093446W	Point de transfert secteur WN/S	FRA(EX)
DONAS	334151N 0063430W	Point à l'intérieur TMA GMMN–R/UR975	
DOTIV	342145N 0032829W	A/UA411	
ECHED	274000N 0103100W	FIR GMMM/GCCC/GOOO – R/UR975	
EKTAL	304209N 0091112W	TMA/1 GMAD	
EMKOK	340713.62N 0042104.17W	TMA2 GMFF – A411	
ENNAV	340749.34N 0063014.66W	IAF STARy CONV RWY21 AD GMME	
ERLAM	325509N 0062324W	H/UH119 – UG850	
ERMED	330055N 0100811W	A857 – UN857	FRA(I)
ESALA	340224N 0071023W	Point à l'intérieur TMA GMMN	
ESAMI	355000N 0024111W	M/UM372	
ETAVO	265220.11N 0131915.39W	IAF RNAV (GNSS) RWY 02 AD GMML	
EVDOL	333352.82N 0072514.26W	Point à l'intérieur TMA GMMN	
EVOXO	341344.04N 0022535.26W	TMA GMFO – G/UG664	
FACAS	324050N 0074842W	TMA GMMN – B/UB11	
FAHIM	341504.27N 0065038.82W	IAF STARy CONV RWY21 AD GMME	
FOBAC	324309N 0080601W	TMA GMMN – R/UR722	
GALTO	355000N 0050837W	FIR GMMM/LECM – B/UB11 – UN869	
GIPUD	334503.92N 0043738.79W	TMA/1 GMFF	
GIRAL	264426N 0133247W	TMA GMML – A600F	
GITEM	241422N 0155319W	TMA GMMH	
GODPO	331058.24N 0070436.26W	Point à l'intérieur TMA GMMN	
GOSNO	311905N 0083432W	H/UH400	
GOSPI	300851N 0094918W	TMA/1 GMAD – G849	
GOVAS	331151N 0065854W	Point à l'intérieur TMA GMMN– H/UH119	
IBALU	342640N 0084721W	A857 – UN857 – H/UH899 – R/UR724	FRA(I)
IBEVO	333846.74N 0042400.01W	TMA/2 GMFF – W/UW255	
IBLIV	331026N 0112422W	UN858	FRA(I)
IDMEB	352830.65N 0035311.46W	IAF RNAV (GNSS) RWY 17 AD GMTA	
IPLOS	335853.98N 0054417.31W	TMA/2 GMFF – A411	
IVDAK	333424.56N 0045345.40W	TMA/1 GMFF	
IXIRI	352951.46N 0024923.57W	M/UM372 – W/UW700	
IXOBA	344134.81N 0020614.68W	TMA GMFO (IAF BRG 238,45° / D9.0 NM/DME/OJD)	
IXODA	345732N 0053254W	H/UH104 – M/UM240	
KEGAG	302628.41N 0085518.06W	TMA/1 GMAD –G/UG664	
KEKIV	340823.06N 0050653.49W	TMA/1 GMFF	

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1	2	3	4
KEMEX	310052N 0094312W	TMA/2 GMAD – H/UH300	
KONBA	311803N 0151806W	FIR GMMM/GCCC – UN866	FRA(EX)
KOPAB	313957.60N 0094807.98W	IAF RNAV (GNSS) RWY 16 AD GMMI	
KORAL	294353N 0123442W	FIR GMMM/GCCC – G/UG5 – UN871	
KORIS	355000N 0061421W	FIR GMMM/LECM – GUG 5	
KORNO	355000N 0072500W	FIR GMMM/LECM – A857 – UN857	FRA(E)
KOTAG	330909.01N 0071619.14W	Point à l'intérieur TMA GMMN	
KUBIL	341540N 0125442W	UN866	FRA(I)
KUDAX	314830.86N 0074018.96W	H/UH400 – M/UM372	
KUVEL	290000N 0091539W	UR977	
LACAJ	330809N 0065059W	TMA GMMN – H/UH119	
LAKAM	341114N 0074418W	TMA GMMN – R/UR722	
LAMAD	354709.14N 0052914.16W	TMA/1 GMTT – M143	
LANBA	315009.45N 0082337.76W	TMA GMMX	
LAPNO	341008N 0082712W	H/UH899	FRA(EX)
LARAP	310655N 0062754W	TMA GMMZ – G/UG664	
LARMO	233450.86N 0160757.04W	IAF RNAV (GNSS) RWY 03 AD GMMH	
LASAB	231650N 0160619W	TMA GMMH – A600F – B600G	
LEGTI	332151.40N 0044936.74W	TMA/2 GMFF – M/UM240	
LEPRU	320000N 0144804W	Point de sortie FIR NAT	FRA(EX)
LINTO	355000N 0055716W	FIR GMMM/LECM – N/UN10	
LINVA	304944N 0072215W	TMA GMMZ – G/UG664	
LISRA	311400N 0082904W	TMA GMMX – G/UG850	
LOBMI	323927.03N 0073012.14W	Z801	
MABAP	320727,36N 0081149,62W	TMA GMMX – B/UB11 – R/UR722 – UN869	
MABOG	323819N 0073011W	TMA GMMN – Z/UZ801	
MADOV	352453N 0054508W	TMA/1 GMTT – M/UM240	
MAGAV	313131.05N 0084640.15W	TMA GMMX – B11	
MAPIT	334033.22N 0051042.65W	TMA/1 GMFF	
MARJA	344432N 0074637W	R/UR722	FRA(EX)
MAXOR	311010N 0071833W	TMA GMMZ – J744	
MIMRO	310059N 0090309W	TMA/2 GMAD – H4/UH00	
MITLA	311830N 0140456W	UN873	
MOGBA	303346N 0094533W	TMA/1 GMAD – H/UH300 – H/UH400	
MOKIB	342529N 0065225W	Point à l'intérieur TMA GMMN	
MOKIR	312025N 0073646W	TMA GMMX – J744	
MOKRI	330939N 0091027W	Point de transfert secteurs S/W – R/UR724	
MOGBI	323710.63N 0072158.78W	W/UW900	
MOGVA	312047.15N 0070052.51W	TMA GMMZ – W/UW900	
MOKDA	333504.54N 0075348.55W	Point à l'intérieur TMA GMMN	
MOROX	290000N 0095721W	UR975	
NAMIR	310036N 0090204W	TMA/2 GMAD – R/U975	
NAPOV	312400.65N 0075722.12W	STAR RNAV(GNSS) RWY10 GMMX	
NAREG	330351N 0070354W	Point à l'intérieur TMA GMMN	
NARMI	353811N 0052951W	TMA/1 GMTT – N/UN726	
NASRO	335815N 0074306W	Point à l'intérieur TMA GMMN(Point d'attente STAR GMMN)	
NEMVA	344019.44N 0022008.23W	Point à l'intérieur de la TMA GMFO	
NEVEK	331946.85N 0055013.33W	UG850	
NEVTU	325843N 0131441W	FIR GMMM	FRA(I)
NIDEB	325748N 0115932W	FIR GMMM	FRA(I)
NIKZO	324339N 0080941W	TMA GMMN – R/UR975	
NIPRI	330000N 0140724W	Point de sortie FIR NAT	FRA(EX)
NIRAL	331141N 0082200W	UN871	
NISBA	334046N 0090112W	H/UH500 – R/UR724	FRA(EX)
NISUR	311044N 0100500W	G/UG5	

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1	2	3	4
NOLRO	354653N 0060210W	TMA/1 GMTT	
NONVI	332441.06N 0052102.61W	TMA/2 GMFF – V203	
OBOGA	315016N 0074851W	TMA GMMX – G/UG850	
ODALO	313847N 0082929W	TMA GMMX	
ODAXA	335938N 0081432W	H/UH899	
ODROS	354029N 0050045W	IAF RNAV (GNSS) RWY 24 AD GMTN	
OGDOR	340000N 0132538W	Point de sortie FIR NAT	
OLMAG	330848N 0032012W	G/UG664 – W/UW255	
OLOMA	303827N 0090418W	TMA/1 GMAD – G/UG850	
ORSUP	345055N 0015026W	FIR GMMM / DAAA	
OSDAM	352045N 0064204W	UM985 – UN871	
OSDIV	330858N 0135010W	UN 866	FRA(I)
OSLAD	355800N 0081851W	FIR GMMM / LPPC – R/UR724	FRA(EX)
PEKOP	355000.0N 0032627.3W	Point d'entrée/sortie FIR GMMM/LECM	
PELAX	325113.14N 0074125.79W	B/UB11– UN869	
PIXEB	321630N 0030000W	H/UH119	
PIXOV	325301.53N 0072625.86W	W/UW900	
POBUB	334914.99N 0054512.01W	TMA/2 GMFF – R975	
PODES	355000.0N 0040252.5W	BDRY FIR/UIR GMMM/LECM	
POGIK	313511.02N 0095303.58W	IAF RNAV (GNSS) RWY 16 AD GMMI	
RABCA	354415.37N 0060506.05W	IAF BRG 272° TNR DVOR/DME AD GMTT	
RADAF	324124N 0061355W	IAF RNAV (GNSS) RWY 23 AD GMMD	
RALEK	330013N 0081046W	G/UG5	
RAMIM	314011.66N 0074807.11W	IAF RNAV (GNSS) RWY 28 AD GMMX	
RANUL	335537.97N 0041845.22W	TMA/2 GMFF	
RATNI	293423N 0091850W	TMA/2 GMAD	
RATVA	312002.62N 0064441.03W	TMA GMMZ –Q401	
RAVMA	321129.14N 0064848.04W	M372	
RAVOL	333108N 0082829W	H/UH500 – TMA GMMN	
REVM1	335026.60N 0072203.46W	Point à l'intérieur TMA GMMN	
RINPA	313512.98N 0074842.73W	IAF BRG 098.56°MAG/15.0 DME MAK	
RIPOV	334202.56N 0051235.99W	TMA/1 GMFF	
ROLGO	265834.06N 0132301.82W	IAF RNAV (GNSS) RWY 02 AD GMML	
ROLRO	314009N 0105801W	Point de transfert secteur WS/S	FRA(EX)
ROMOR	343606.20N 0023600.00W	TMA GMFO – A411	
ROMSO	352643N 0062933W	UM985– G/UG5 – M143	
RUBAB	320007.31N 0062814.24W	L/UL102 – Q/UQ401	
RUNAX	355000N 0063756W	FIR GMMM/LECM – UL82	FRA(E)
RUSIK	285422N 0124859W	FIR GMMM/GCCC – G849 – UN869	
SADIC	334402N 0062000W	TMA GMMN – R/UR975	
SAKOF	332225N 0065425W	Point à l'intérieur TMA GMMN	
SAMAR	305359N 0142456W	FIR GMMM/GCCC – UN873	FRA(EX)
SALCA	341913N 0081634W	UA411	FRA(EX)
SIVSO	312755.89N 0082023.00W	IAF STAR RNAV(GNSS) RWY10 AD GMMX	
SOBGO	345326.28N 0030017.35W	IAF RNAV(GNSS) RWY08;RWY26 AD GMMW	
SOBMA	352400N 0055500W	TMA/1 GMTT – N10	
SODSA	332730.02N 0052506.66W	TMA/2 GMFF – M372	
SOLNA	274000N 0123543W	FIR GMMM/GCCC – A/UA600	
SOMOM	300421N 0101157W	TMA/2 GMAD – G/UG850	
SONSO	300044N 0120607W	UN871 – G/UG5 – UG664	
SOPAB	300913.41N 0093550.60W	Point TMA GMAD	
SOVAL	341022N 0041008W	A/UA411	

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1	2	3	4
SUBAL	353247N 0121845W	FIR GMMM/LPPC	FRA(EX)
SULAM	305457N 0131454W	UN858	
SUNID	343711N 0100924W	UN858	
TABIM	334442.89N 0051559.71W	TMA/1 GMFF	
TAGOG	301619N 0095143W	TMA/1 GMAD – UG664	
TAKAG	235649.64N 0155755.24W	IAF RNAV (GNSS) RWY 21 AD GMMH	
TAKAV	355800N 0092219.24W	FIR GMMM/LPPC	FRA(EX)
TALOK	304949.84N 006 4113.44W	Point TMA GMMZ	
TEKNA	300221N 0094418W	TMA/1 GMAD – A600	
TERTO	300615N 0124302W	FIR GMMM/GCCC – A857 – UN857	FRA(X)
TIDLO	315941.04N 0061347.92W	FIR GMMM	
TIDMO	305431.36N 0063227.05W	IAF STAR RNAV RWY 30 AD GMMZ	
TIGGI	355800N 0105608W	FIR GMMM/LPPC	FRA(X)
TIKVO	295420.30N 0092040.57W	Point TMA GMAD	
TIXAL	321532.33N 0071556.16W	UG850 – W/UW900	
TOBZA	323851N 0054954W	H/UH119 – V/UV203	
TODBA	313643.67N 0093735.65W	IAF (VORz) RWY 16 AD GMMI	
TOGMA	311830N 0064037W	TMA GMMZ – V/UV203	
TOLSI	343602N 0070054W	G/UG5- TMA GMMN	
TOPMA	303451N 0082254W	G/UG664 – M/UM372	
TOVRA	314514N 0111639W	A857 – UN857	
TUSOR	342950N 0061954W	TMA GMMN	
UBITA	313912.98N 0094043.38W	IAF RNAV (GNSS) RWY 16 AD GMMI	
ULMAM	340000N 0015843W	FIR GMMM	
UROLU	333240.20N 0053235.81W	TMA/2 GMFF	
UVMOL	352543.61N 0040420.73W	IAF RNAV (GNSS) RWY 17 AD AL GMATA	
VABNA	325209.76N 0073016.67W	Z/UZ801	
VABOL	312244.97N 0082913.67W	STAR RNAV (GNSS) RWY10 AD GMMX	
VABSI	345411.00N 0023600.00W	TMA GMFO – N/UN726	
VAGNO	354424N 0061800W	TMA/1 GMTT – G/UG5	
VALBA	320450.03N 0072957.73W	G/UG850 - Z/UZ801	
VANOP	315000N 0034500W	FIR GMMM	
VARAS	340132N 0062054W	TMA GMMN – A/UA411	
VASTO	303034N 0133422W	FIR GMMM/GCCC – UN858	FRA(E)
VAXAM	335329.86N 0051556.50W	TMA/1 GMFF	
VEDOD	303021N 0122224W	A857 – UN857	
VONCI	324537N 0082446W	TMA GMMN – G/UG5	
XAVOV	343336N 0024509W	A/UA411 – L/UL58 – UM999	
XELER	330723N 0105912W	FIR GMMM	FRA(I)

ENR 4.4 INDICATIFS CODÉS DES POINTS SIGNIFICATIFS
NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

b. Pour les vols VFR / For VFR flights.

Indicatif codé / Name - code designator	Coordonnées / coordinates	Emplacement / Location
1	2	3
ABISA	30°23'21"N 009°30'44"W	AZIBA
ADOLA	30°23'11"N 009°12'44"W	OULED TAÏMA
ANIBI	34°12'00"N 006°27'18"W	
BAKRA	33°34'21"N 006°53'39"W	SIDI BATTACHE
BALAM	30°11'21"N 009°38'29"W	TIFNIT
BASMA	33°13'51"N 008°30'54"W	EL JADIDA
IBDIR	34°31'20"N 006°18'54"W	SIDI ALLAL TAZI
KOPIR	30°38'51"N 009°53'24"W	CAP GHIR
KOSAD	33°29'51"N 007°19'54"W	BARRAGE OULED EL MALEH
LABOK	30°24'51"N 009°00'54"W	KANAFIT
LEMDI	33°04'11"N 007°14'54"W	BEN AHMED
NEKTI	32°28'08"N 007°35'38"W	BARRAGE EL MASSIRA
RILAT	30°04'51"N 009°39'54"W	R'BAT
VASIR	30°10'51"N 009°32'24"W	INCHADEN