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**HRVATSKA KONTROLA
ZRAČNE PLOVIDBE**

Hrvatska kontrola zračne plovidbe d.o.o.
Služba zrakoplovnog informiranja (AIM/AIS)

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Hrvatska

AIRAC AIP SUP 004/2022

Na snazi od: 01-Dec-2022

Vrijedi do: UFN

Datum izdavanja: 20-Oct-2022

LDSP - Zračna luka SPLIT/Kaštela - Objava probnih PBN zrakoplovnih navigacijskih postupaka

Ovim AIRAC AIP SUP-om dostupni su probni satelitski **LDSP RNP X RWY05 (LPV only)** i **RNP W RWY05** zrakoplovni navigacijski postupci na zračnoj luci SPLIT/Kaštela samo u svrhu provjeravanja iz zraka.

Instrumentalni zrakoplovni navigacijski postupci RNP X RWY05 (LPV only) i RNP W RWY05 su dostupni i koristit će se **jedino** u svrhu izvođenja provjera iz zraka, **jedino** od strane odobrenog operatora i **jedino** prema odobrenju kontrole zračnog prometa Split.

Probni satelitski instrumentalni zrakoplovni navigacijski postupci temelje se na GNSS-u i sadrže sljedeće tipove postupaka za RWY05:

- Neprecizna prilaženja (NPA) do LNAV minimuma
- APV SBAS postupak prilaženja s vertikalnim navođenjem podržan s European Geostationary Navigation Overlay Service (EGNOS) sustavom do LPV minimuma (SBAS APV-I).

Ovi instrumentalni zrakoplovni navigacijski postupci temelje se na postojećim ICAO kriterijima, koji su propisani u ICAO Doc. 8168 Vol II (ICAO PANS OPS Vol II).

Sastavni dio ovog AIRAC AIP SUP-a još su:

- LDSP IAC RNP X RWY05 (LPV only) - ICAO karta, SBAS FAS *Data Block*, RNAV tablice kodiranja i popis putnih točaka (*waypoint list*)
- LDSP IAC RNP W RWY05 - ICAO karta, RNAV tablica kodiranja i popis putnih točaka (*waypoint list*).

Upišite AIRAC AIP SUP 004/2022 u GEN 0.3.

REF AIP: LDSP AD 2

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

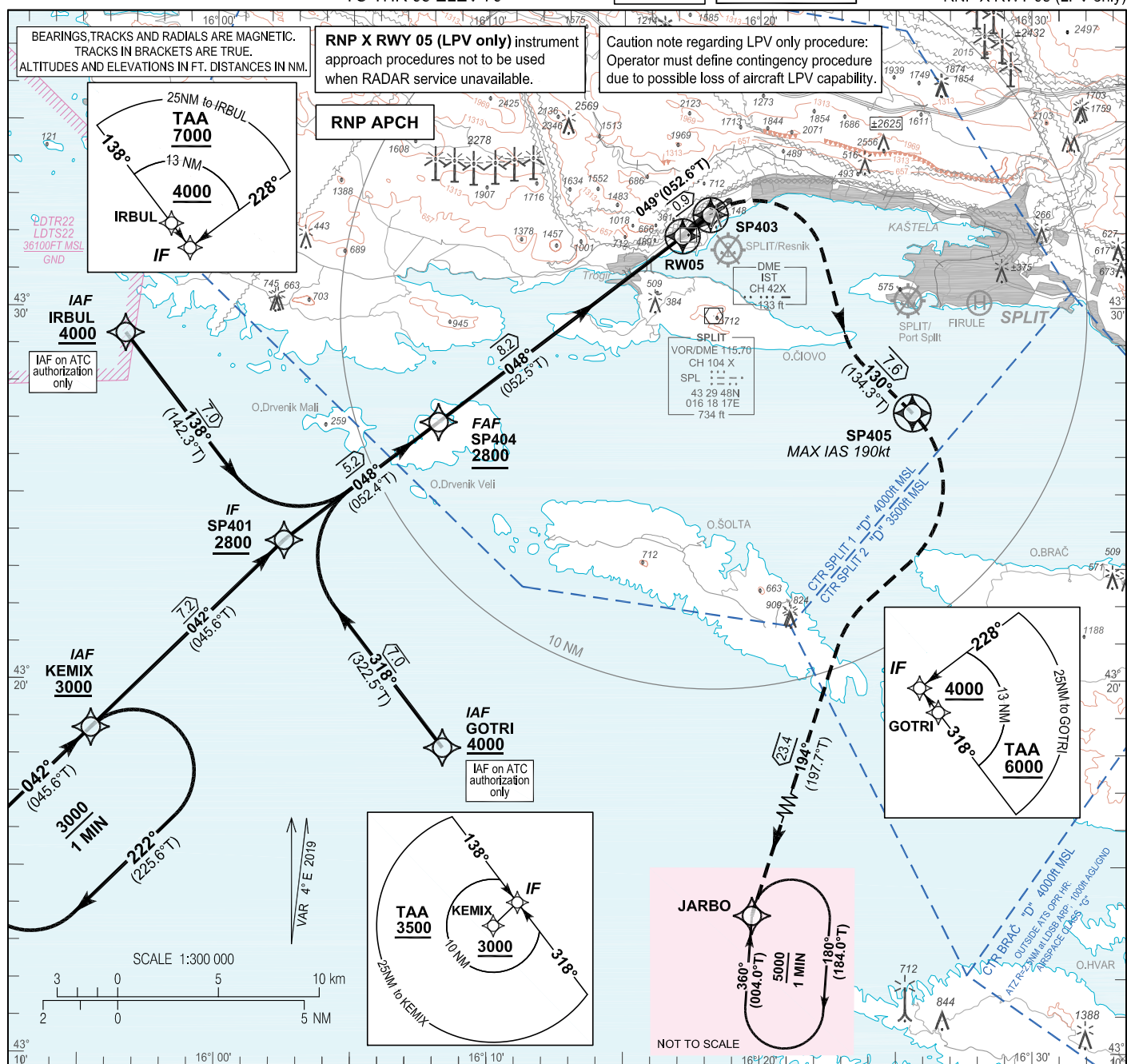
INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 78
HEIGHTS RELATED
TO THR 05 ELEV 70

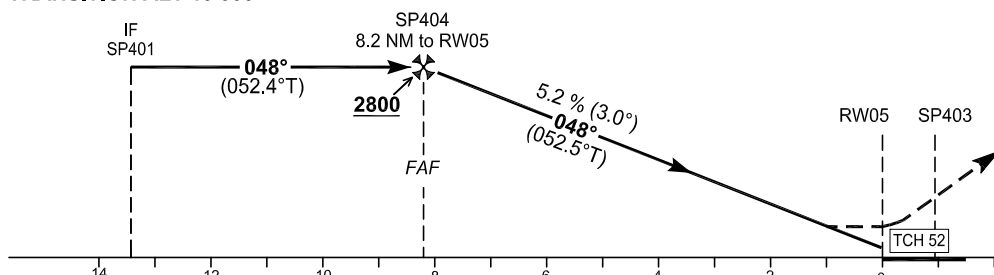
SBAS
CH: 88844
E05B

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

SPLIT/ Kaštela
CROATIA
RNP X RWY 05 (LPV only)



TRANSITION ALT 10 000



MISSED APPROACH
RNAV

RW05 - SP403 [R] - SP405 [M130; - K190]
- JARBO [M194; A5000]

OCA(H)	A	B	C	D
Straight-in approach	LPV	750 (680)	760 (690)	770 (700)
		780 (710)		

DIST THR / RW 05	NM	8	7	6	5	4	3	2
Altitude	ft	2670	2360	2040	1720	1400	1080	760

SP404 TO RW05 DISTANCE - 8.2NM					
GS (kt)	80	100	120	140	160
min : sec	6:09	4:55	4:06	3:31	3:05
Rate of descent (ft / min)	425	531	637	743	849

NO MAPT ; TIMING NOT AUTHORIZED FOR DEFINING THE RW05

CHANGE: New chart.

SPLIT / Kaštela
CROATIA

RNP X RWY 05 (LPV only)

Coding elements for FAS Data Block

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LDSP
Runway	05
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	X
Reference Path Data Selector	0
Reference Path Identifier	E05B
LTP/FTP Latitude	433155.3885N
LTP/FTP Longitude	0161708.0990E
LTP/FTP Ellipsoidal Height (metres)	63.7
FPAP Latitude	433246.3360N
Delta FPAP Latitude (seconds)	50.9475
FPAP Longitude	0161839.6425E
Delta FPAP Longitude (seconds)	91.5435
Threshold Crossing Height	52.0
TCH Units Selector	0 (feet)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	40
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 10 13 04 0C 05 C0 00 02 35 30 05 F9 92 AE 12 06 30 FD 06 7D 16 07 8E 01 2F CB 02 08 02 2C 01 64 05 C8 FA BB 46 1F 8D
Calculated CRC Value	BB461F8D

Required Additional Data

ICAO Code	LD
LTP/FTP Orthometric Height (metres)	21.4

CHANGE: New chart.

LDSP RNP X RWY05 (LPV only)

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	318° (322.5° T)	4°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	SP401	-	042° (045.6° T)	4°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	138° (142.3° T)	4°E	7.0	-	+2800	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SP401	-	-	4°E	-	-	+2800	-	-	-	RNP APCH
020	FAF	TF	SP404	-	048° (052.4°T)	4°E	5.2	-	+2800	-	-	-	
030	-	TF	RW05	Y	048° (052.5°T)	4°E	8.2	-	-	-	3.0 / 52.0	-	
040	TP	CF	SP403	Y	049° (052.6°T)	4°E	0.9	-	-	-	-	-	
050	-	TF	SP405	Y	130° (134.3°T)	4°E	7.6	R	-	-190	-	-	
060	MAHF	TF	JARBO	-	194° (197.7°T)	4°E	23.4	-	5000	-	-	-	
070	MAHF	HM	JARBO	-	360° (004.0°T)	4°E	1 MIN	R	5000	-	-	Holding above 5000 on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	-	4°E	-	RNAV 1
JARBO	HM	360° (004.0°T)	1MIN / -	R	5000	-	-	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
JARBO	430451.0N	0161554.2E
KEMIX	431842.4N	0155526.9E
RW05	433155.39N	0161708.10E
SP401	432344.7N	0160230.4E
SP403	433229.8N	0161809.9E
SP404	432655.2N	0160810.3E
SP405	432711.7N	0162536.2E

CHANGE: New chart.

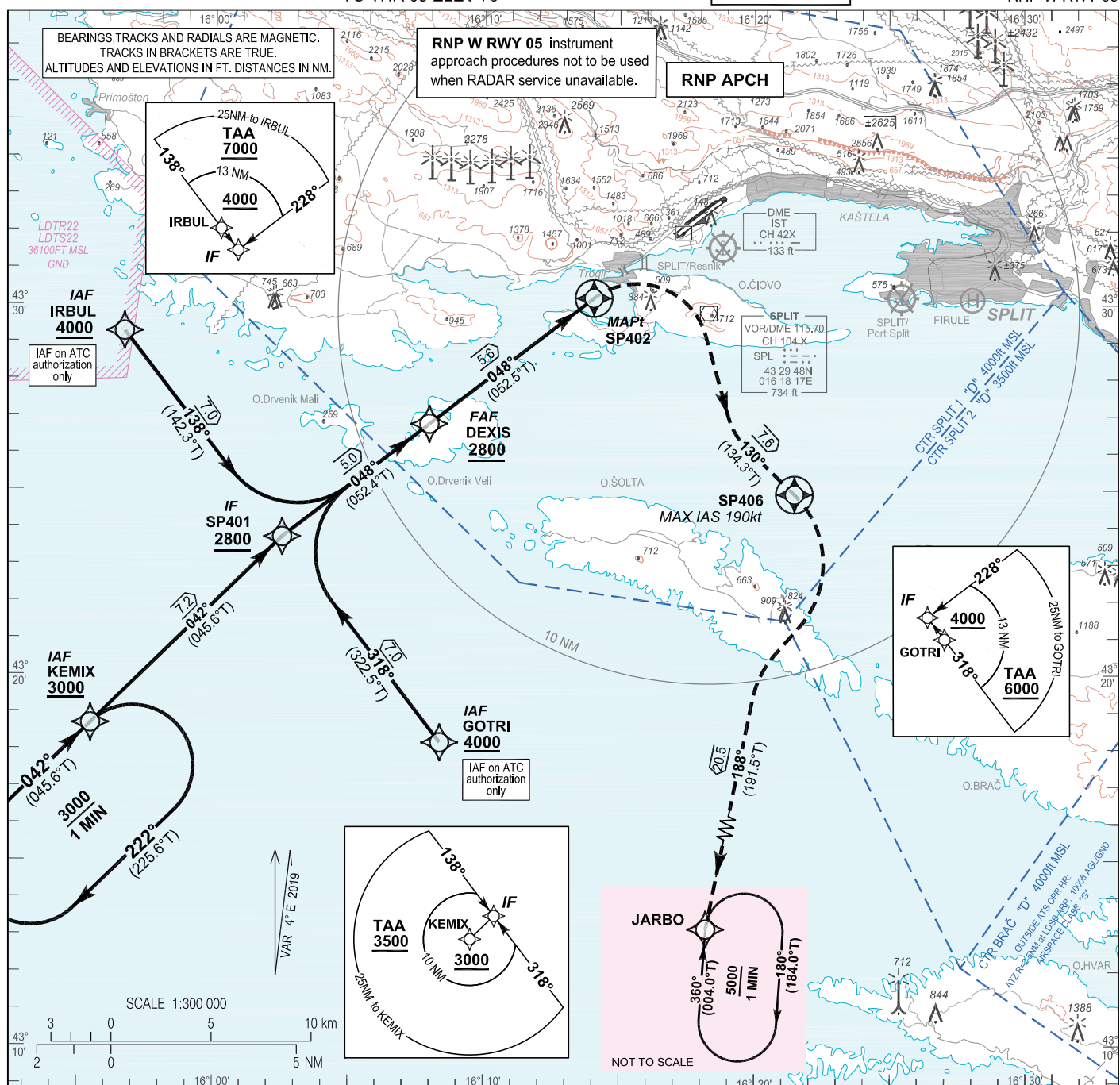
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INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 78
HEIGHTS RELATED
TO THR 05 ELEV 70

SPLIT ATIS 125.300
SPLIT RADAR 120.875
SPLIT TOWER 124.675

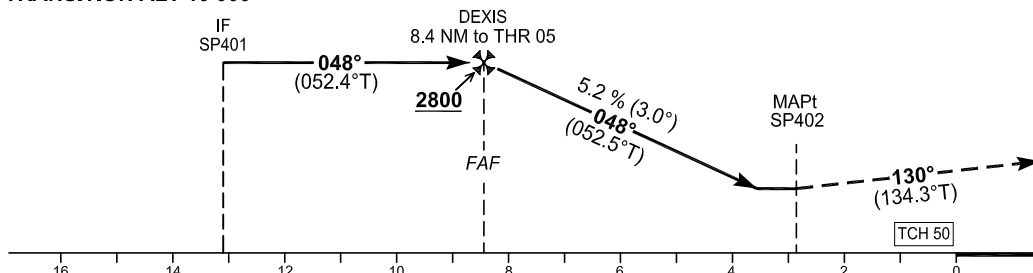
SPLIT/ Kaštela
CROATIA
RNP W RWY 05



TRANSITION ALT 10 000

MISSED APPROACH
RNAV

SP402 – SP406 [M130; - K190]
– JARBO [M188; A5000]



OCA(OCH)	A	B	C	D
LNAV	1200 (1130)			

DIST to THR 05	NM	8	7	6	5	4
Altitude	ft	2670	2350	2030	1720	1400

Timing not authorized for defining the MAPt							
GS	kt	80	100	120	140	160	180
DEXIS-SP402(5.6NM)	min:sec	4:12	3:22	2:48	2:24	2:06	1:52
Rate of descent (5.2%)	ft/min	425	531	637	743	849	955

CHANGE: New chart.

SPLIT / Kaštela
CROATIA
 RNP W RWY 05

LDSP RNP W RWY 05

Proposed tabular description for navigation database coding - APPROACH TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IAF	IF	GOTRI	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	318° (322.5° T)	4°E	7.0	-	+2800	-	-	-	
010	IAF	IF	KEMIX	-	-	4°E	-	-	+3000	-	-	-	RNP APCH
020	IF	TF	SP401	-	042° (045.6° T)	4°E	7.2	-	+2800	-	-	-	
010	IAF	IF	IRBUL	-	-	4°E	-	-	+4000	-	-	IAF on ATC authorization only	RNP APCH
020	IF	TF	SP401	-	138° (142.3° T)	4°E	7.0	-	+2800	-	-	-	

Proposed tabular description for navigation database coding - FINAL TRANSITION

Serial Number	Fix	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	VPA/TCH (°/ft)	Remarks	NAV SPEC
010	IF	IF	SP401	-	-	4°E	-	-	+2800	-	-	-	RNP APCH
020	FAF	TF	DEXIS	-	048° (052.4°T)	4°E	5.0	-	+2800	-	-	-	
030	MAPt	TF	SP402	Y	048° (052.5°T)	4°E	5.6	-	-	-	3.0 / 50.0	-	
040	-	TF	SP406	Y	130° (134.3°T)	4°E	7.6	-	-	-190	-	-	
050	MAHF	TF	JARBO	-	188° (191.5°T)	4°E	20.5	-	5000	-	-	-	
060	MAHF	HM	JARBO	-	360° (004.0°T)	4°E	1 MIN	R	5000	-	-	Holding above 5000 on ATC clearance only	RNAV 1

RNAV HOLDING tabular description

Waypoint name	Path Terminator	Inbound course °M (°T)	Leg time/ distance NM	Turn direction	Minimum altitude (ft)	Maximum altitude (ft)	Speed limit MAX IAS (kt)	Magnetic variation	Remarks	NAV SPEC
KEMIX	HM	042° (045.6°T)	1MIN / -	R	3000	-	-	4°E	-	RNAV 1
JARBO	HM	360° (004.0°T)	1MIN / -	R	5000	-	-	4°E	-	

Waypoint coordinates

Waypoint name	WGS-84 Latitude	WGS-84 Longitude
DEXIS	432647.7N	0160757.0E
GOTRI	431811.7N	0160821.4E
IRBUL	432917.5N	0155638.4E
JARBO	430451.0N	0161554.2E
KEMIX	431842.4N	0155526.9E
SP401	432344.7N	0160230.4E
SP402	433011.7N	0161401.9E
SP406	432453.8N	0162128.2E