

ELF-HSFS

1-10

AOI

AOI

## GENERAL

## Operational Hours

ATS Hours / AD ADMIN Hours: HJ

## Airport Information

RFF: CAT 8  
PCN: RWY 05/23: 61/F/B/X/T

## DEPARTURE

## Take-off Minima

RWY		05/23	
All ACFT	ft - m/km	0 - 400V	HJ only

Effective 13-SEP-2018

06-SEP-2018

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Sudan El Fashir

AGC

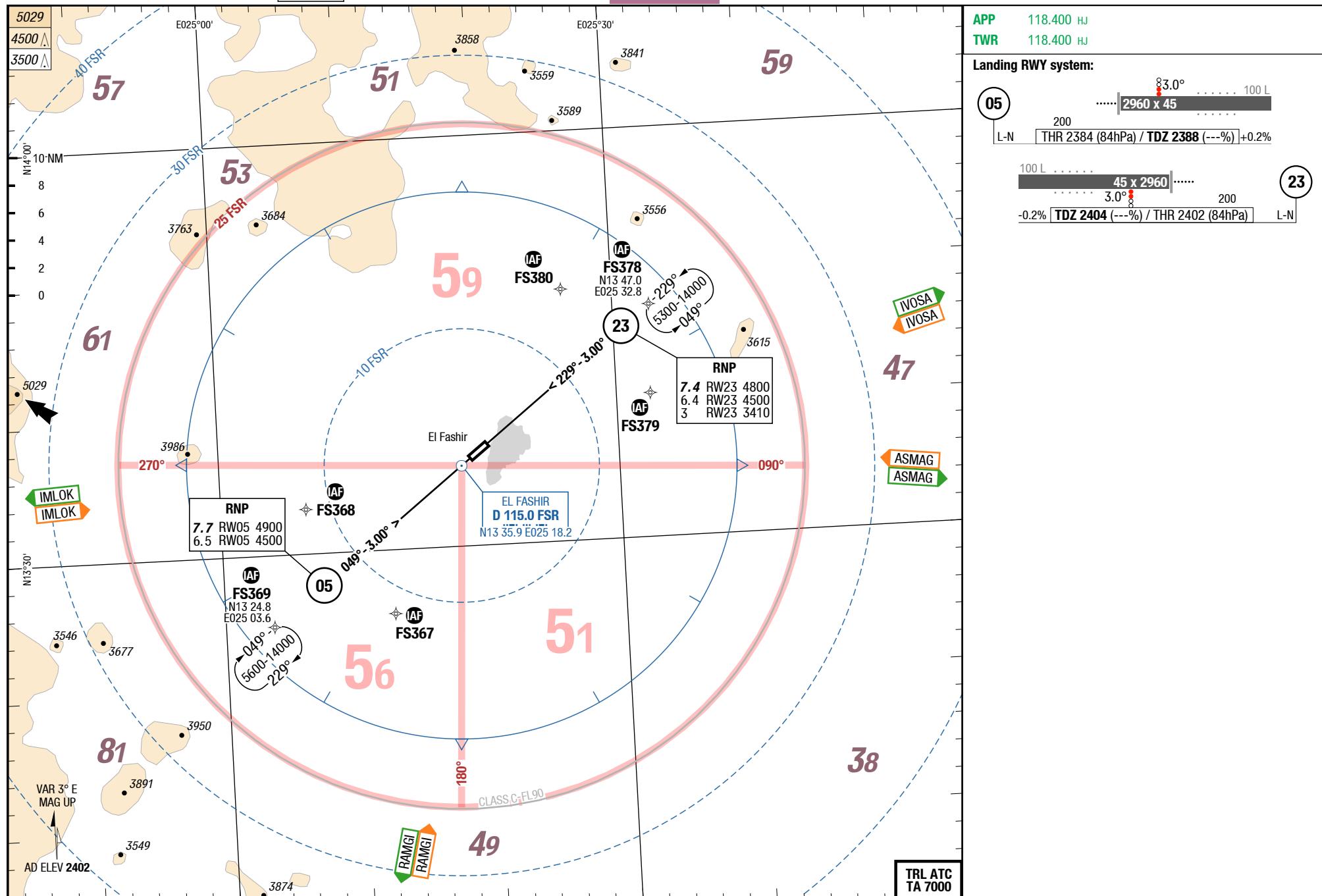
AFC

El Fashir Sudan

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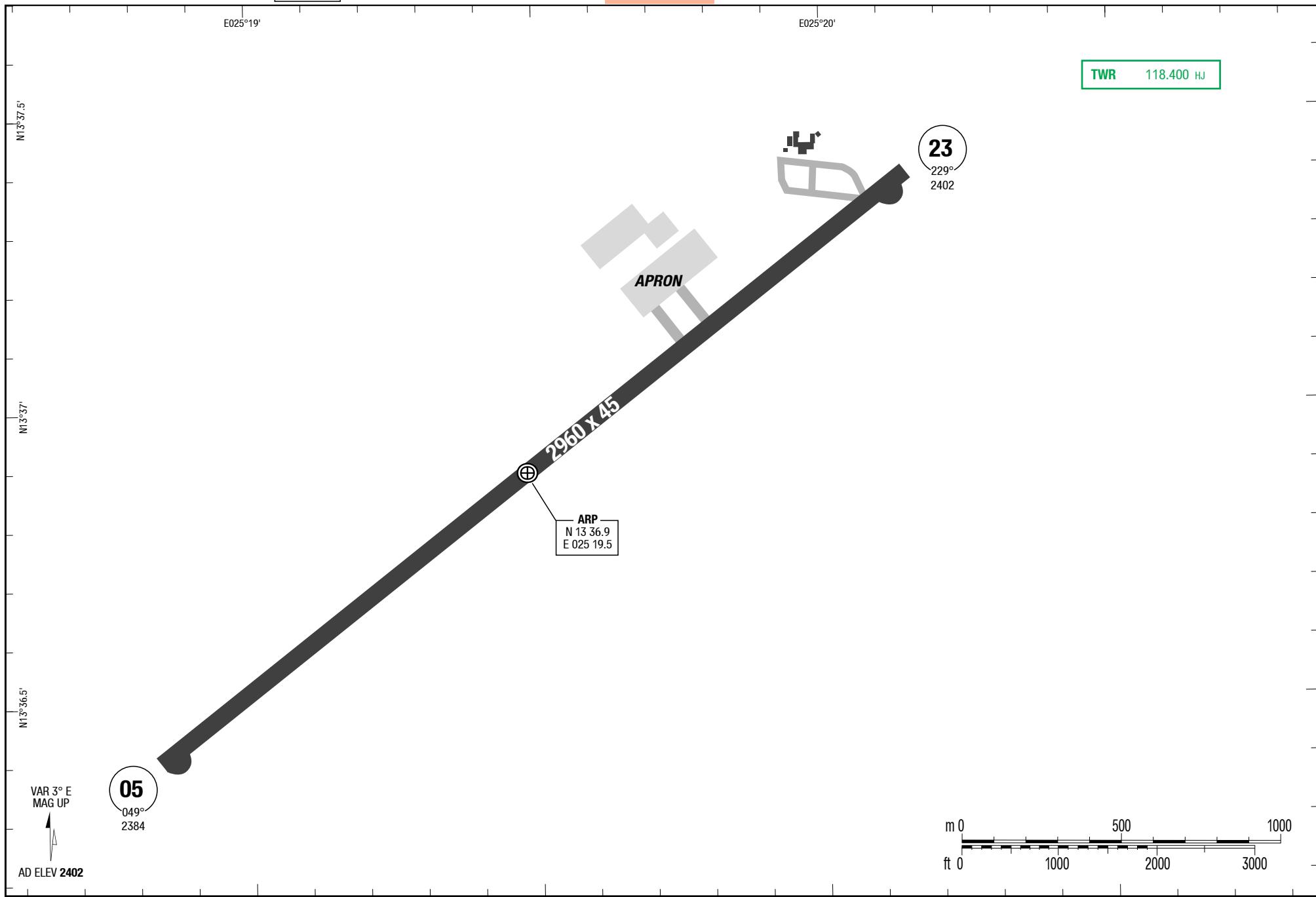
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E025°19'

E025°20'

TWR 118.400 HZ



Changes: RWY length, Declared distances, RWY ELEV, AD ELEV

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**Sudan El Fashir**  
**RNAV SIDs RWY 23**

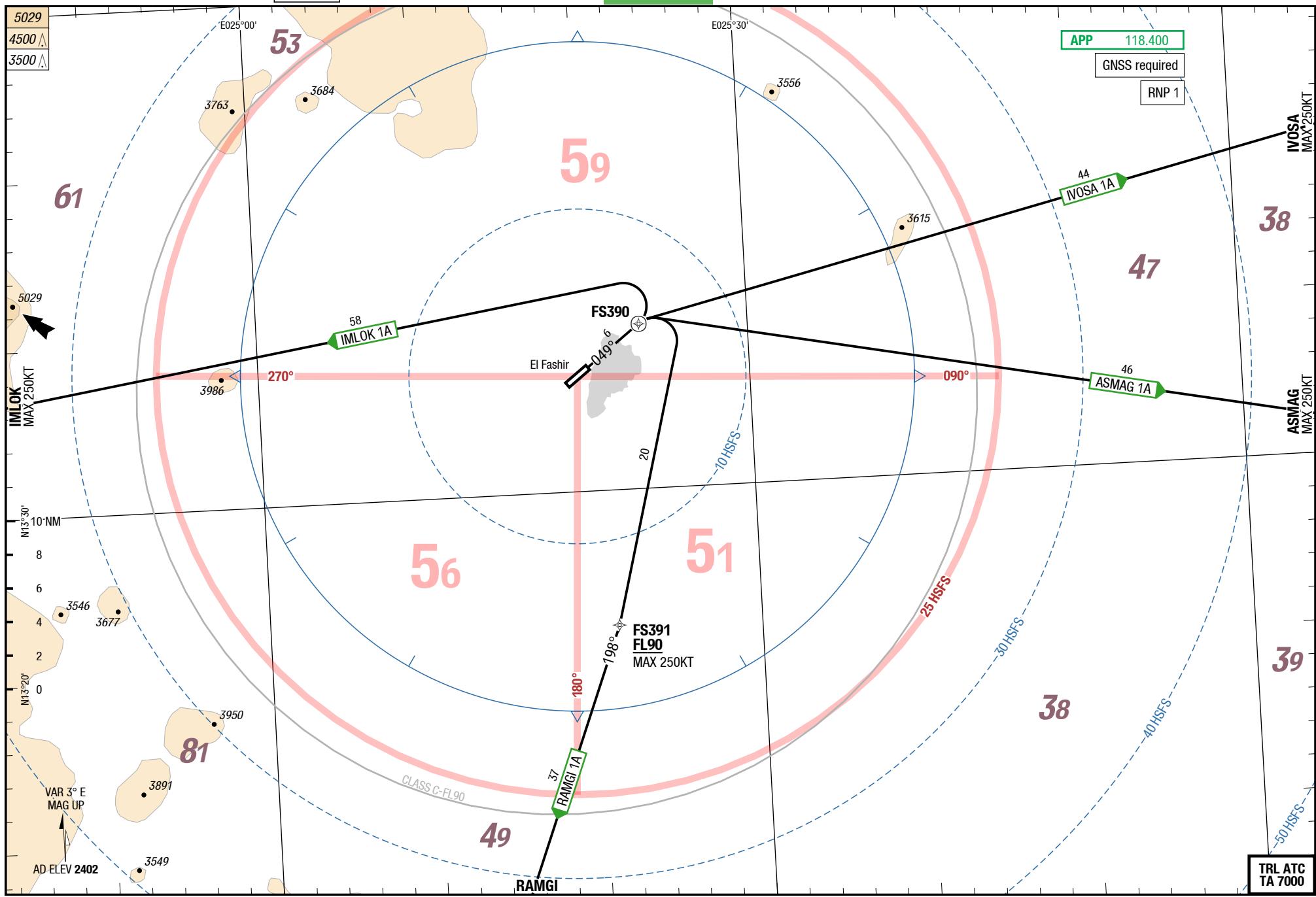
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RNAV SIDs RWY 2

## **RNAV SIDs RWY 05**

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8



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RNAV SIDs RWY 23

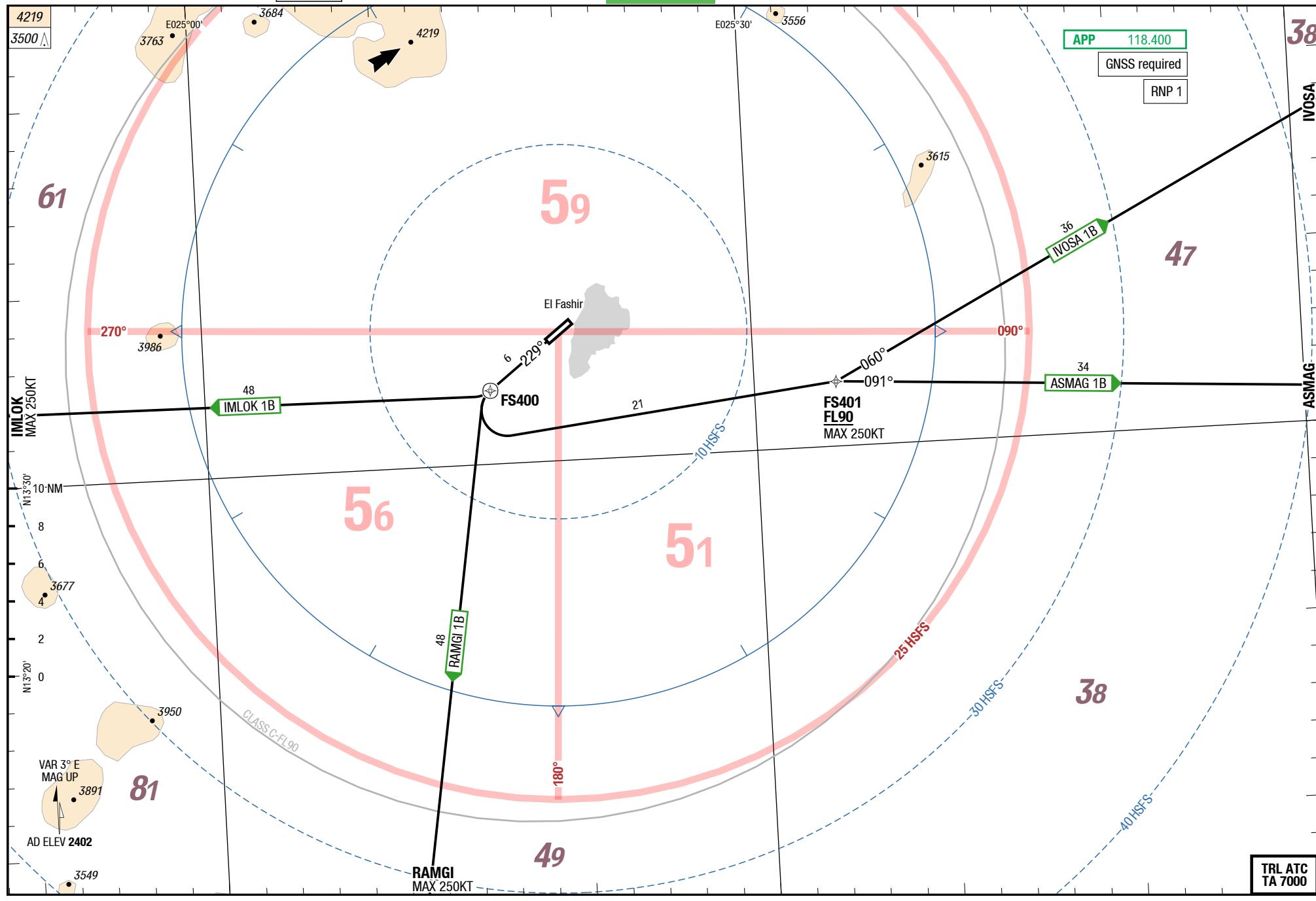
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RNAV SIDs RWY 23

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SIDs RWY 23

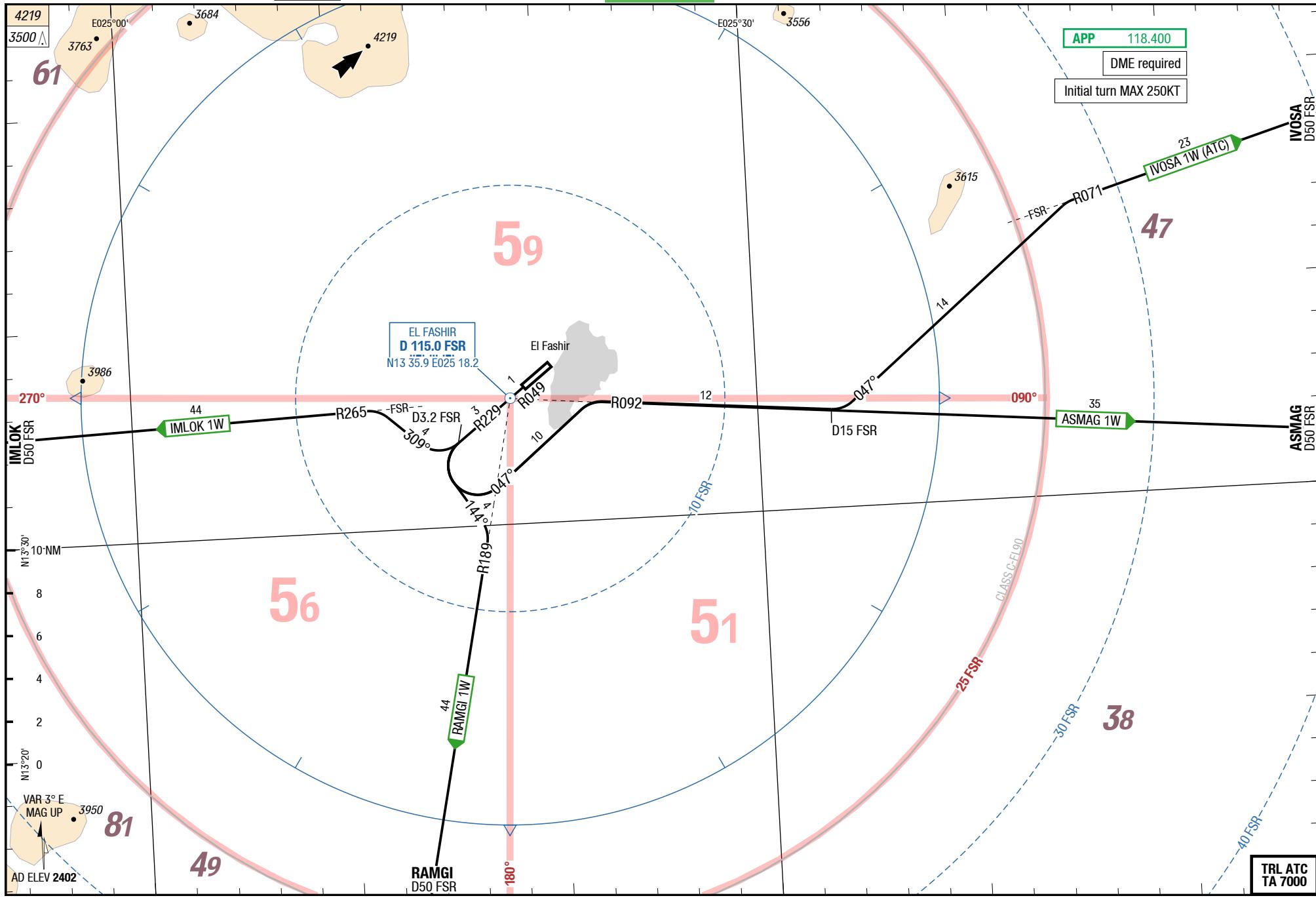
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SIDs RWY 23

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## ELF-HSFS

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## RNAV SIDs RWY 05

**ASMAG 1A / IMLOK 1A / IVOSA 1A / RAMGI 1A**

RWY 05 (049°)

	GS	120	150	180	210	240	270
5.4%	ft/MIN	700	900	1000	1200	1400	1500

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 05</b>	
<b>ASMAG 1A</b> 5.4% to FS390 <b>118.400</b>	RW05 - <u>FS390</u> - DCT ASMAG [K250-]	
<b>IMLOK 1A</b> 5.4% to FS390 <b>118.400</b>	RW05 - <u>FS390</u> [L] - DCT IMLOK [K250-]	
<b>IVOSA 1A</b> 5.4% to FS390 <b>118.400</b>	RW05 - <u>FS390</u> - DCT IVOSA [K250-]	
<b>RAMGI 1A</b> 5.4% to FS390 5.4% to FS391 <b>118.400</b> ①	RW05 - <u>FS390</u> [R] - DCT FS391 [K250-] - RAMGI	FS391 MNM <b>FL90</b>

① Climb gradient to FS391 due to ATS. Advise ATC if unable to reach FL90 by FS391.

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RNAV SIDs RWY 23

ASMAG 1B / IMLOK 1B / IVOSA 1B / RAMGI 1B

RWY 23 (229°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100

DESIGNATOR	ROUTING	ALTITUDES
	Runway 23	
<b>ASMAG 1B</b> 4.0% <b>118.400</b> ①	RW23 - <u>FS400</u> [L] - DCT FS401 [K250-] - ASMAG	FS401 MNM <b>FL90</b>
<b>IMLOK 1B</b> <b>118.400</b>	RW23 - <u>FS400</u> - DCT IMLOK [K250-]	
<b>IVOSA 1B</b> 4.0% <b>118.400</b> ①	RW23 - <u>FS400</u> [L] - DCT FS401 [K250-] - IVOSA	FS401 MNM <b>FL90</b>
<b>RAMGI 1B</b> <b>118.400</b>	RW23 - <u>FS400</u> - DCT RAMGI [K250-]	

① Climb gradient due to ATS. Advise ATC if unable to reach FL90 by FS401.

ASMAG 1E / IMLOK 1E / IVOSA 1E / RAMGI 1E

RWY 05 (049°)

	GS	120	150	180	210	240	270
	5.4%	ft/MIN	700	900	1000	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 05	
<b>ASMAG 1E</b> 5.4% to D6.4 FSR <b>118.400</b>	R049 <b>FSR</b> - at D6.4 <b>FSR RT</b> 136° (MAX 250KT) - intercept R092 <b>FSR</b> to ASMAG	
<b>IMLOK 1E</b> 5.4% to D6.4 FSR <b>118.400</b>	R049 <b>FSR</b> - at D6.4 <b>FSR LT</b> 220° (MAX 250KT) - intercept R265 <b>FSR</b> to IMLOK	
<b>IVOSA 1E</b> 5.4% to D6.4 FSR <b>118.400</b>	R049 <b>FSR</b> - at D6.4 <b>FSR RT</b> 116° (MAX 250KT) - intercept R071 <b>FSR</b> to IVOSA	
<b>RAMGI 1E</b> 5.4% to D6.4 FSR <b>118.400</b>	R049 <b>FSR</b> - at D6.4 <b>FSR RT</b> 234° (MAX 250KT) - intercept R189 <b>FSR</b> to RAMGI	

ASMAG 1W / IMLOK 1W / IVOSA 1W / RAMGI 1W

RWY 23 (229°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 23	
<b>ASMAG 1W 118.400</b>	R049 <b>FSR</b> to <b>FSR</b> - R229 <b>FSR</b> - at D3.2 <b>FSR LT</b> 047° (MAX 250KT) - intercept R092 <b>FSR</b> to ASMAG	
<b>IMLOK 1W 118.400</b>	R049 <b>FSR</b> to <b>FSR</b> - R229 <b>FSR</b> - at D3.2 <b>FSR RT</b> 309° (MAX 250KT) - intercept R265 <b>FSR</b> to IMLOK	
<b>IVOSA 1W (ATC) 118.400</b>	R049 <b>FSR</b> to <b>FSR</b> - R229 <b>FSR</b> - at D3.2 <b>FSR LT</b> 047° (MAX 250KT) - intercept R092 <b>FSR</b> - at D15 <b>FSR LT</b> 047° - intercept R071 <b>FSR</b> to IVOSA	
<b>RAMGI 1W 118.400</b>	R049 <b>FSR</b> to <b>FSR</b> - R229 <b>FSR</b> - at D3.2 <b>FSR LT</b> 144° (MAX 250KT) - intercept R189 <b>FSR</b> to RAMGI	

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## **RNAV STARs RWY 05**

## Sudan El Fashir

## RNAV STARs RWY 23

STAR

S1AR

## El Fashir Sudan

## RNAV STARs RWY 23

## RNAV STARs RWY 05

APP 118.400

GNSS required

RNP 1

IVOSA FL140 MAX 250KT

ASMAG FL140 MAX 250KT

TRL ATC TA 7000

## Changes: new

Effective 13-SEP-2018

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STAR

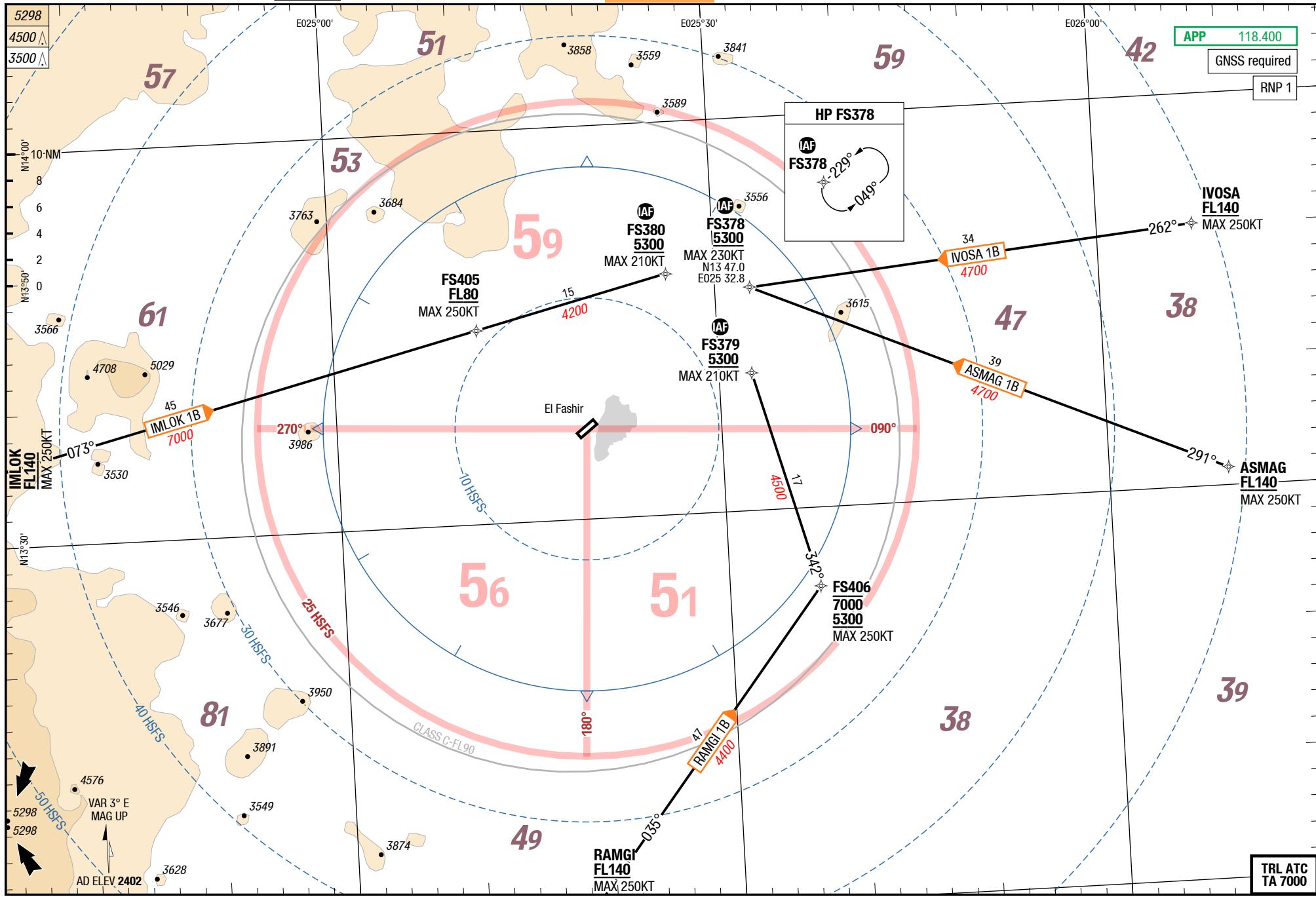
El Fashir Sudan

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RNAV STARs RWY 23

STAR

RNAV STARs RWY 23



Changes: new

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## Sudan El Fashir

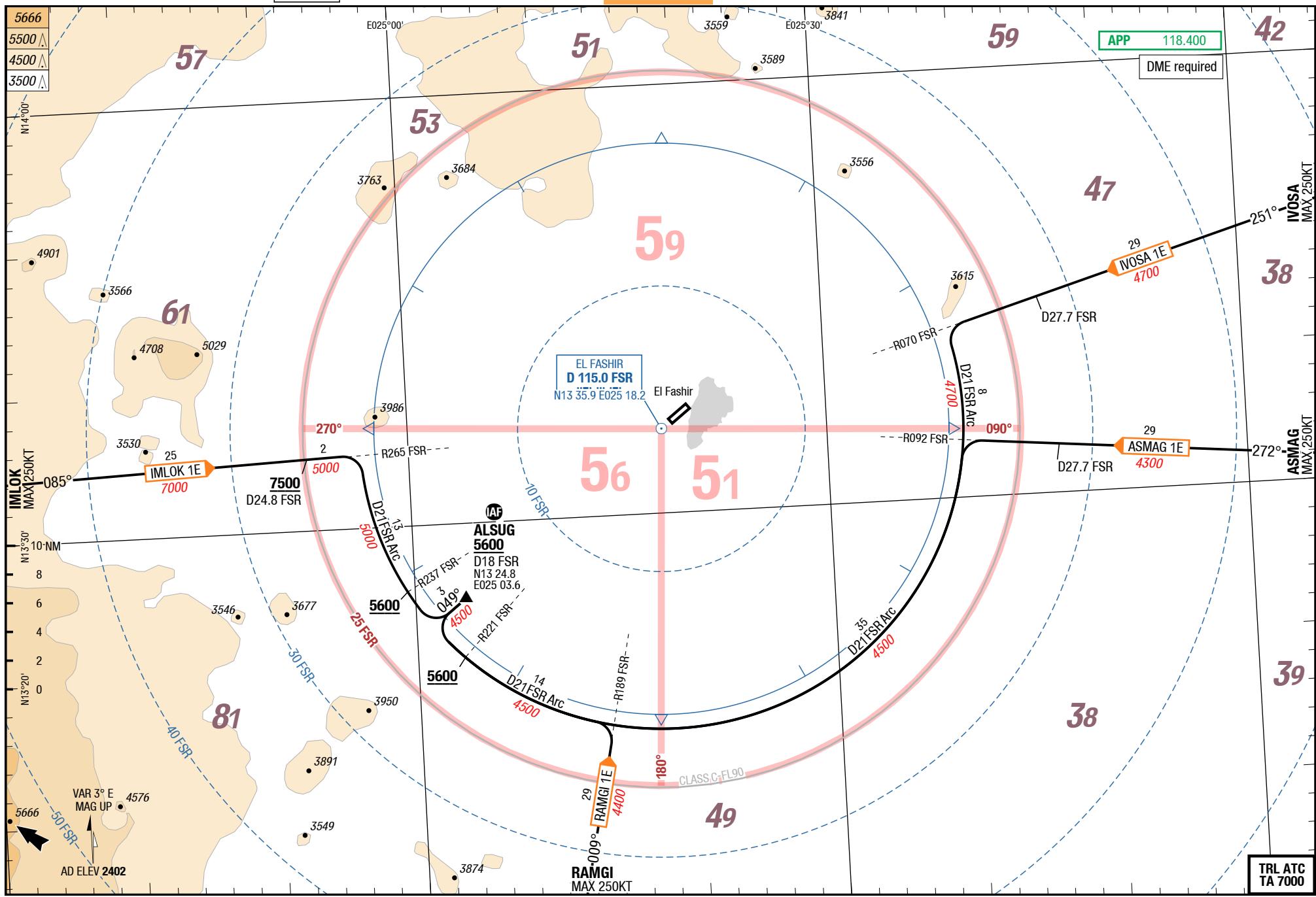
**STARs RWY 23**

STAR

STAR

El Fashir Sudan

**STARs RWY 23**



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STARs RWY 23

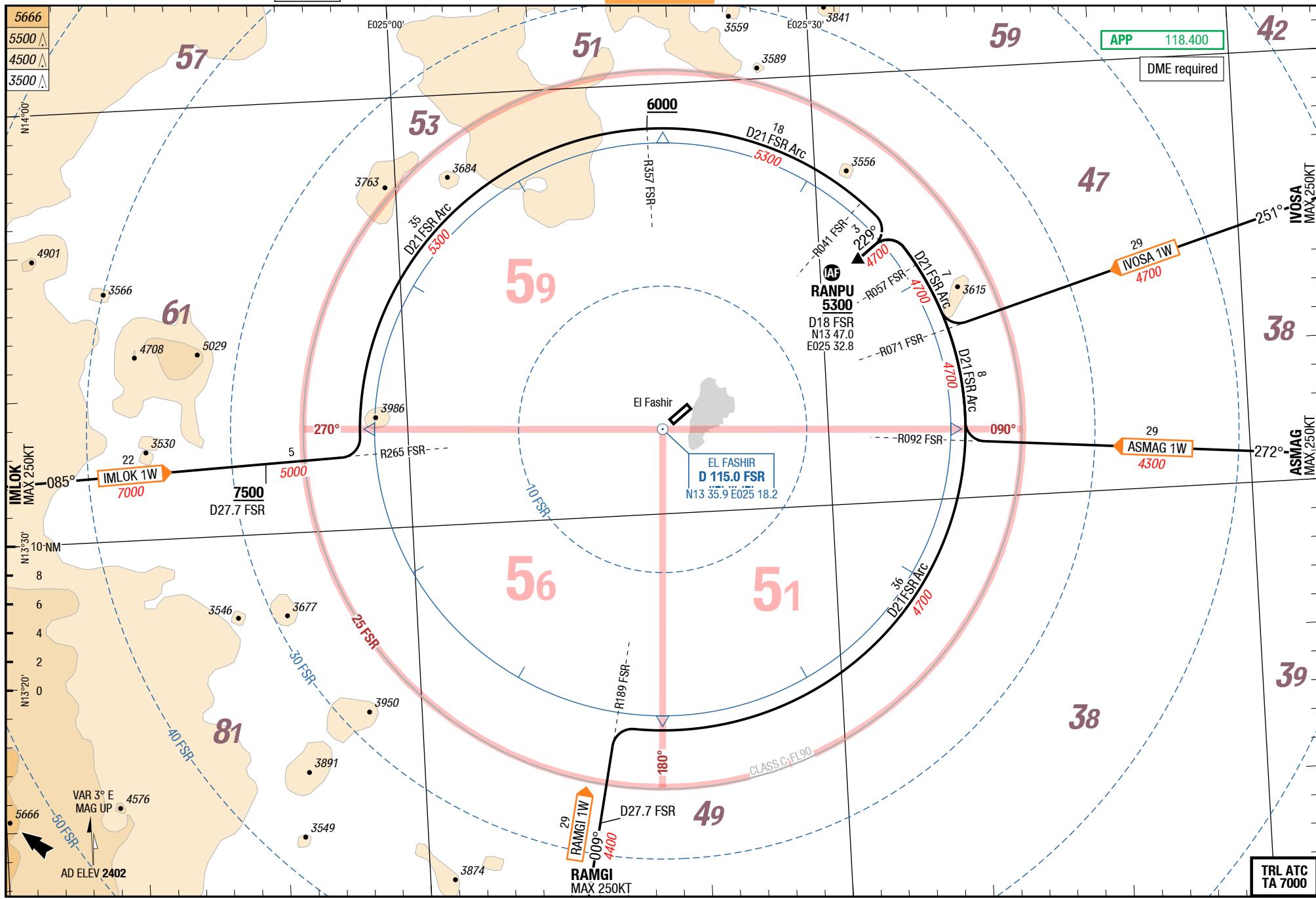
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El Fashir Sudan

STARs RWY 23

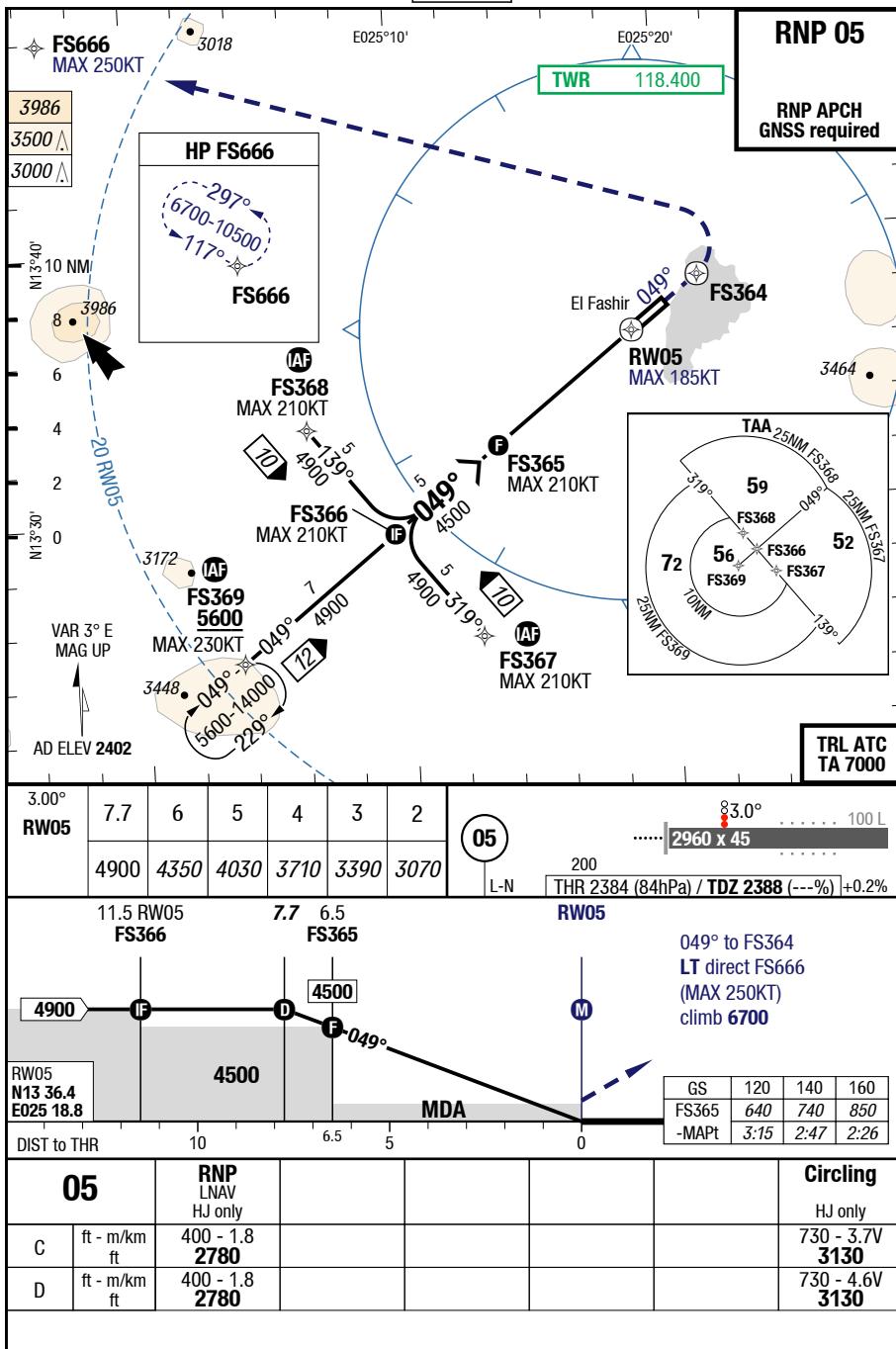
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RNP 05



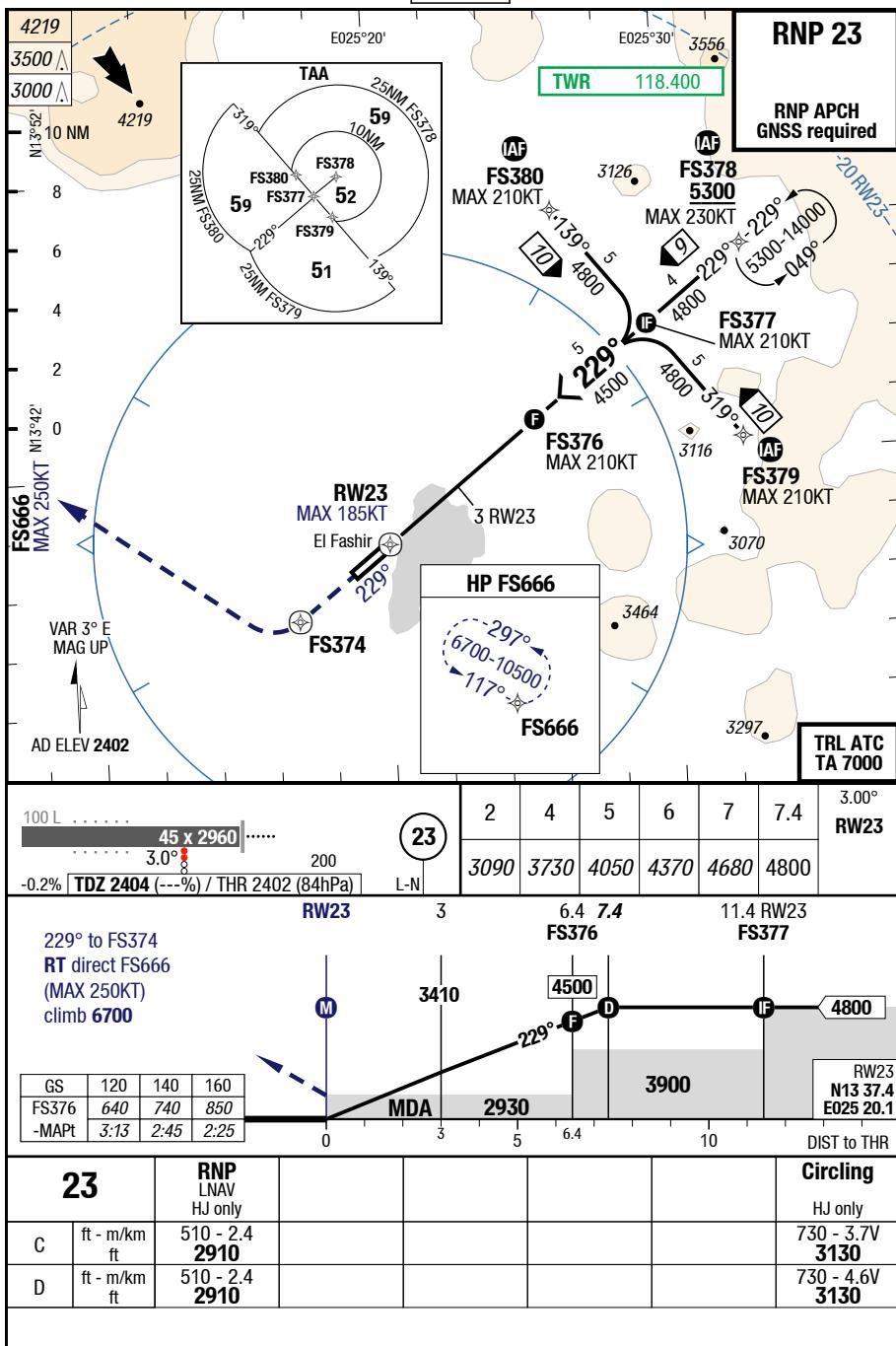
## Changes: Completely revised

## ELF-HSFS

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RNP 23

IAC



Changes: Completely revised

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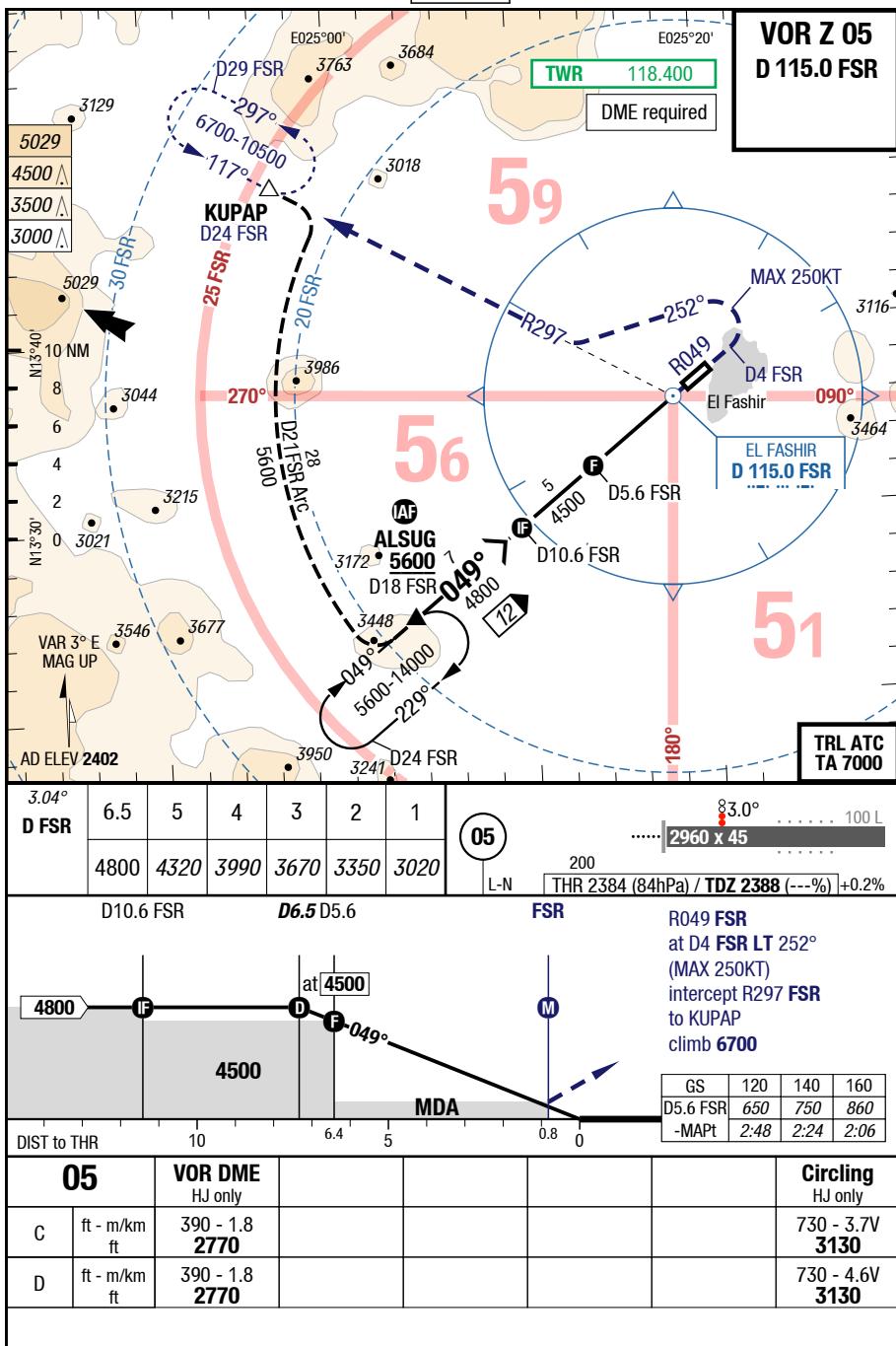
06-SEP-2018

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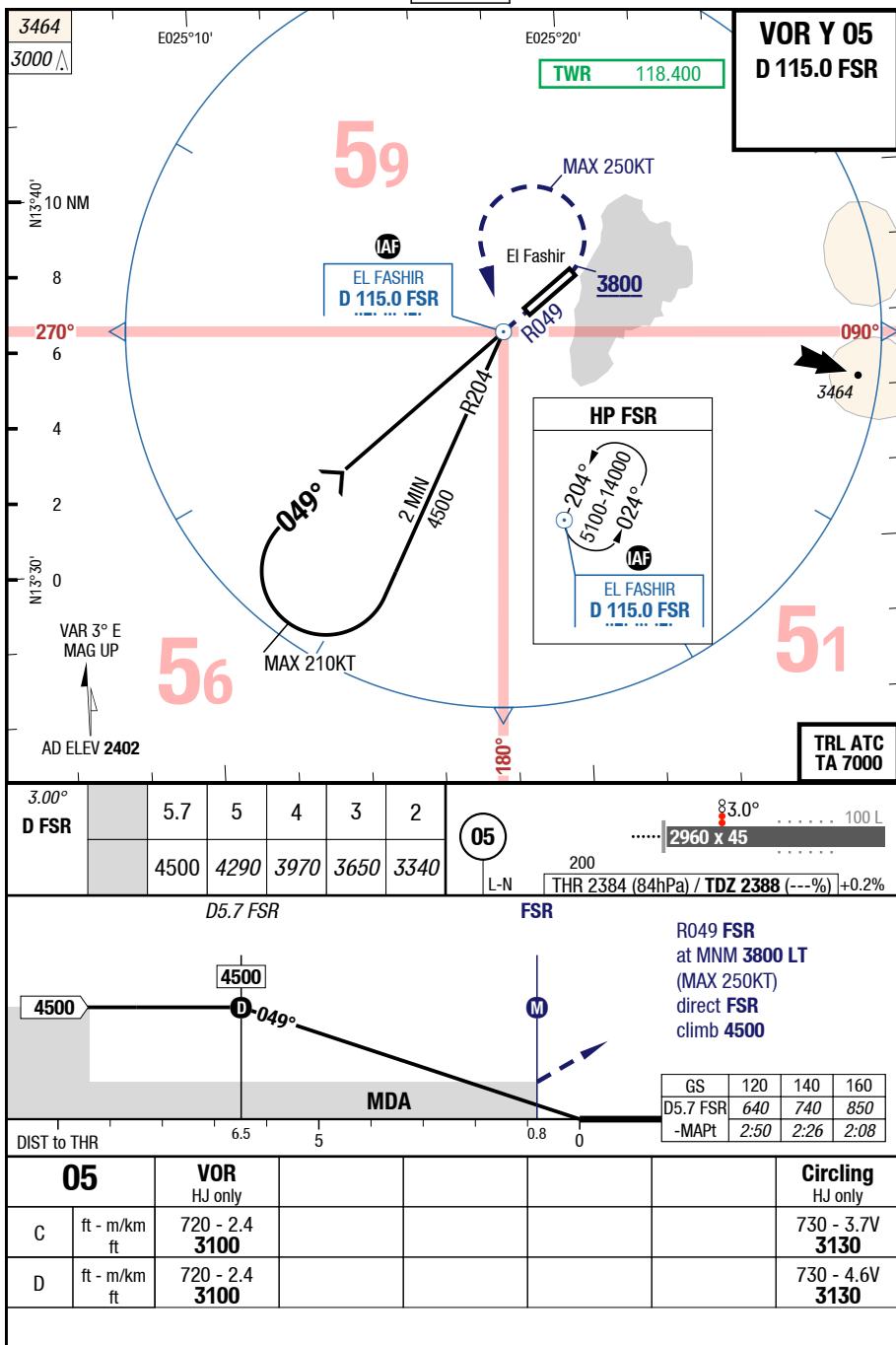
VOR Z 05



## ELF-HSFS

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VOR Y 05



# ELF-HSFS

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**VOR DME 23**

