

GENERAL**Operational Hours****ATS Hours:** H24**AD ADMIN Hours:** HS, permanence outside OPS HRs**Airport Information****RFF:** CAT 8**PCN:** RWY 05/23: 63/F/C/X/U**Operation****RWY Restriction**

180° turns for ACFT over 40t / 88185lbs at RWY ends only.

TWY Restriction

TWY A, C width 20m / 66ft, MAX weight 21t / 46297lbs.

TWY MIL width 15m.

ARRIVAL**Arrival Procedure****Holdings over VOR FL**

When VOR FL inoperative, hold over L LN with same parameters as for FL.

VFR Traffic Pattern: RWY 23 right hand circuit.**DEPARTURE****Take-off Minima**

| RWY | | 05/23 | |
|----------|-----------|----------|---|
| All ACFT | ft - m/km | 0 - 400v | - |

Effective 13-SEP-2018

06-SEP-2018

NDJ-FTTJ

Chad N'Djamena Hassan Djamous

AGC

AFC

AFC

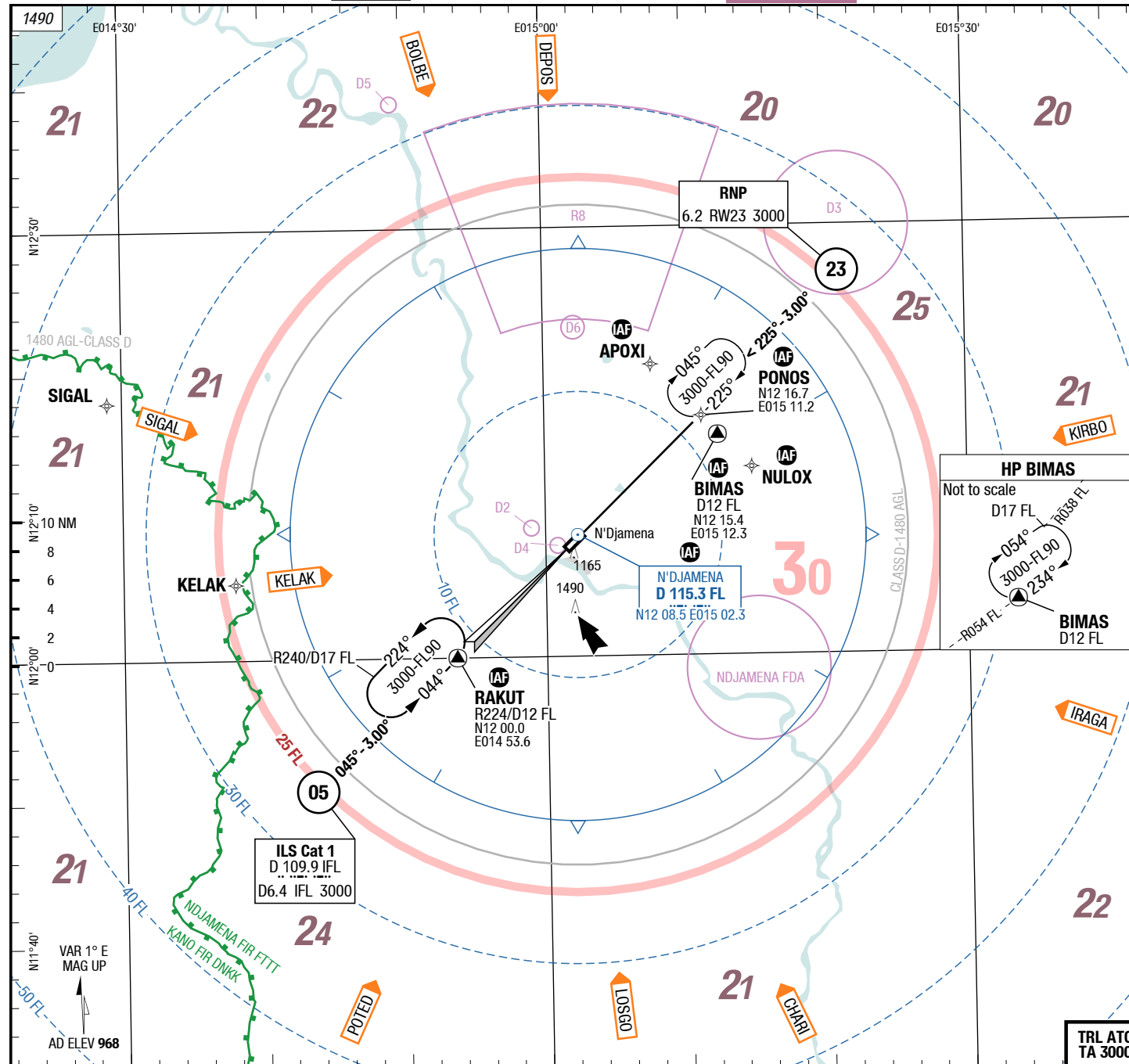
AFC

Hassan Djamous N'Djamena Chad

AGC

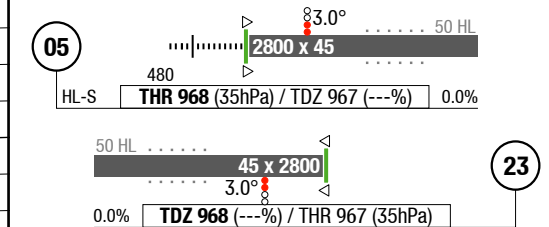
AFC

2-10



Info 120.500
CTL 120.500 E 128.100 W
TWR 119.700 118.100

Landing RWY system:



Changes: PROC, OBST, HLDG, APCH boxes

Effective 13-SEP-2018

06-SEP-2018

NDJ-FTTJ

Chad N'Djamena Hassan Djamous

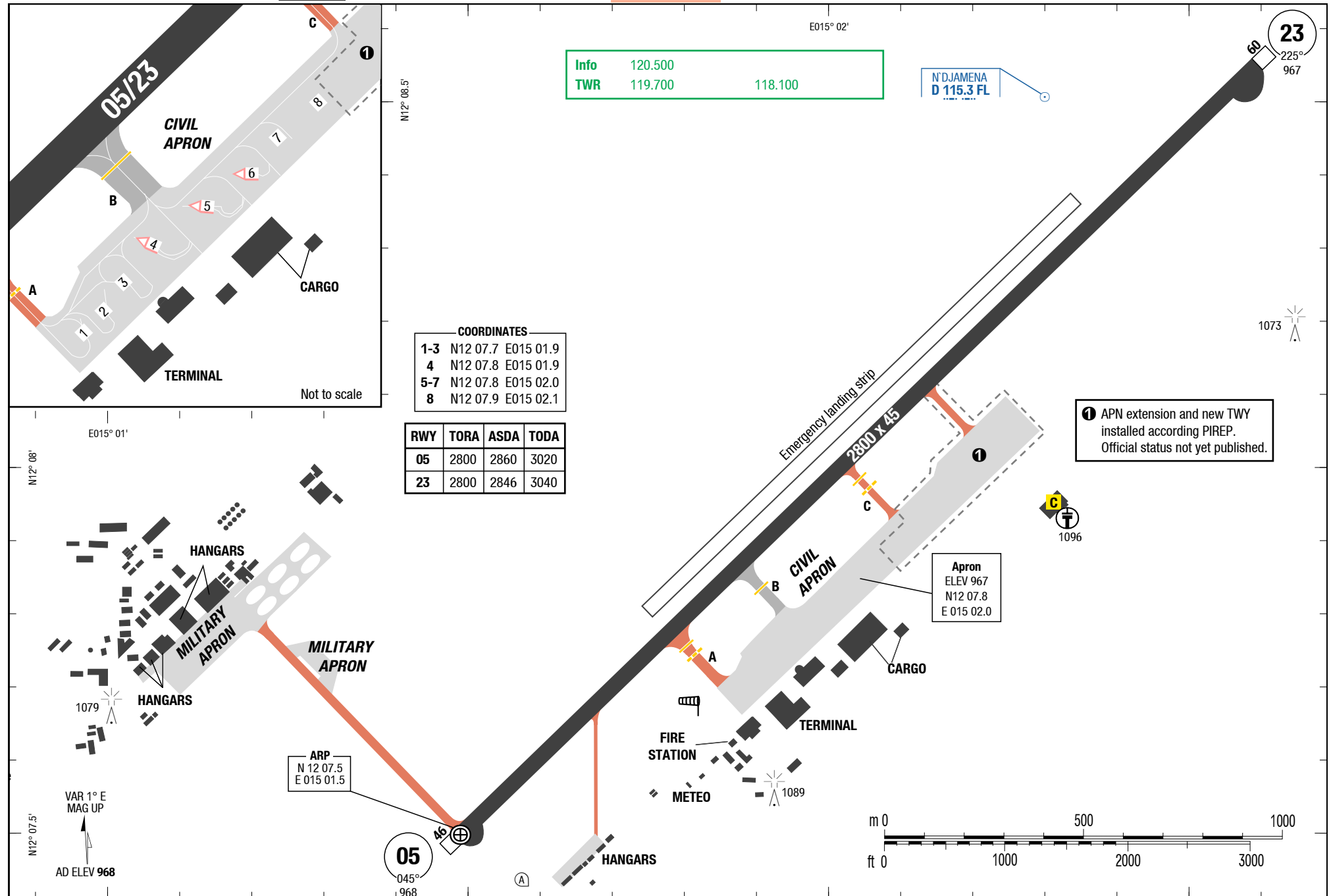
AGC

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Hassan Djamous N'Djamena Chad

AGC



Changes: TWY designators

NDJ-FTTJ

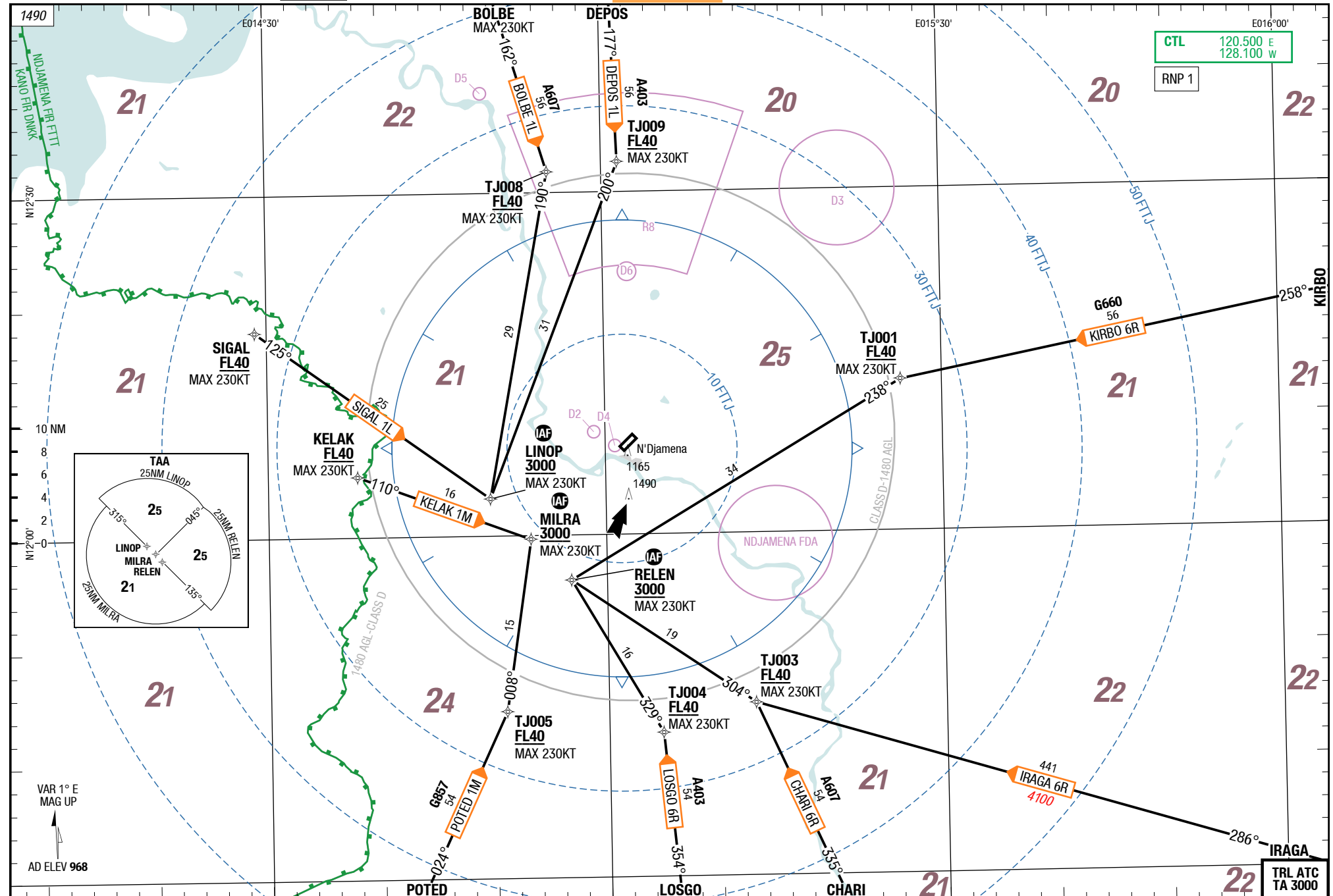
6-10

RNAV STARs RWY 05

STAR

STAR

RNAV STARs RWY 05



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06-SEP-2018

NDJ-FTTJ

Chad **N'Djamena** Hassan Djamous

6-20

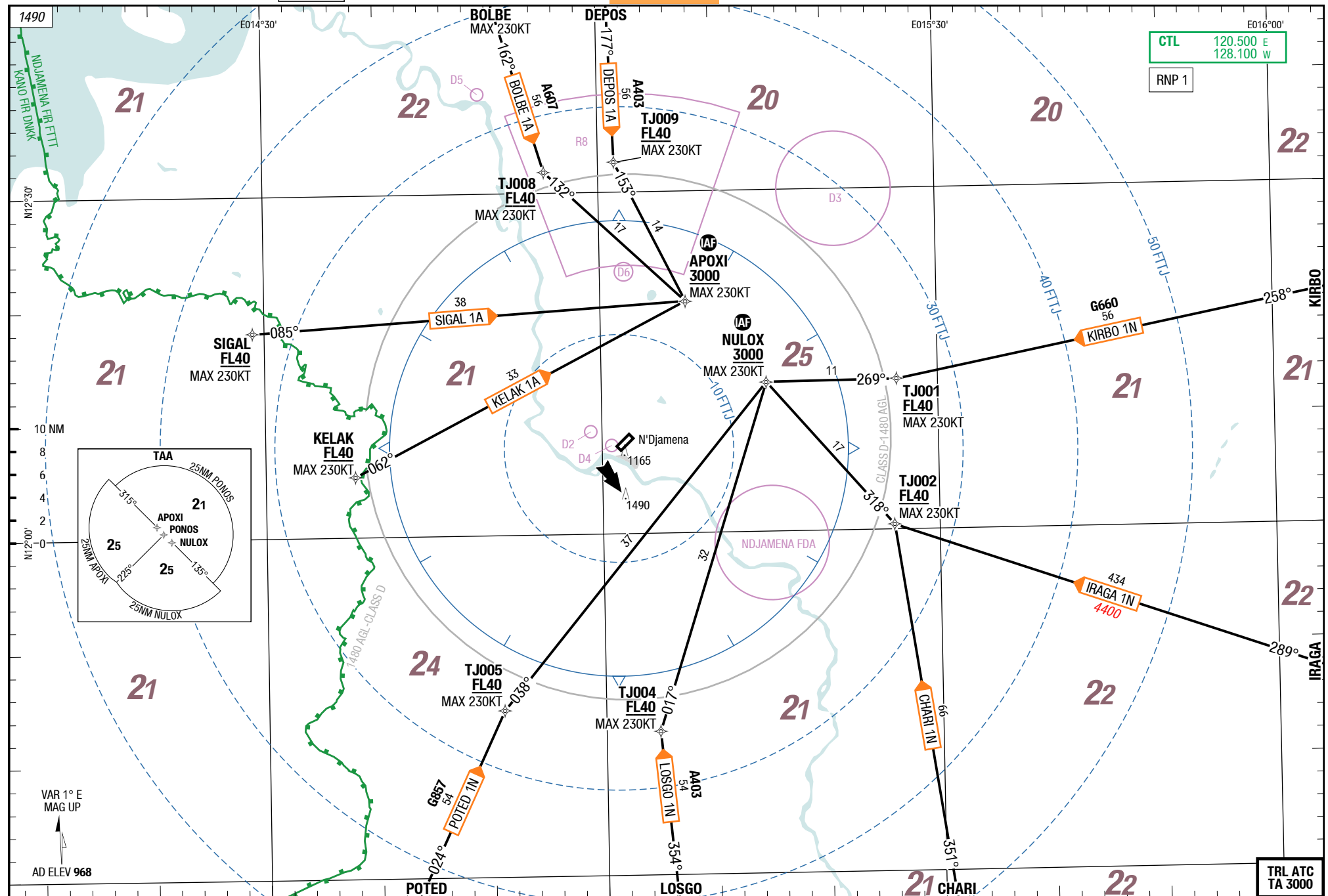
RNAV STARs RWY 23

STAR

STAR

Hassan Djamous **N'Djamena** Chad

RNAV STARs RWY 23



Changes: Completely revised

NDJ-FTTJ

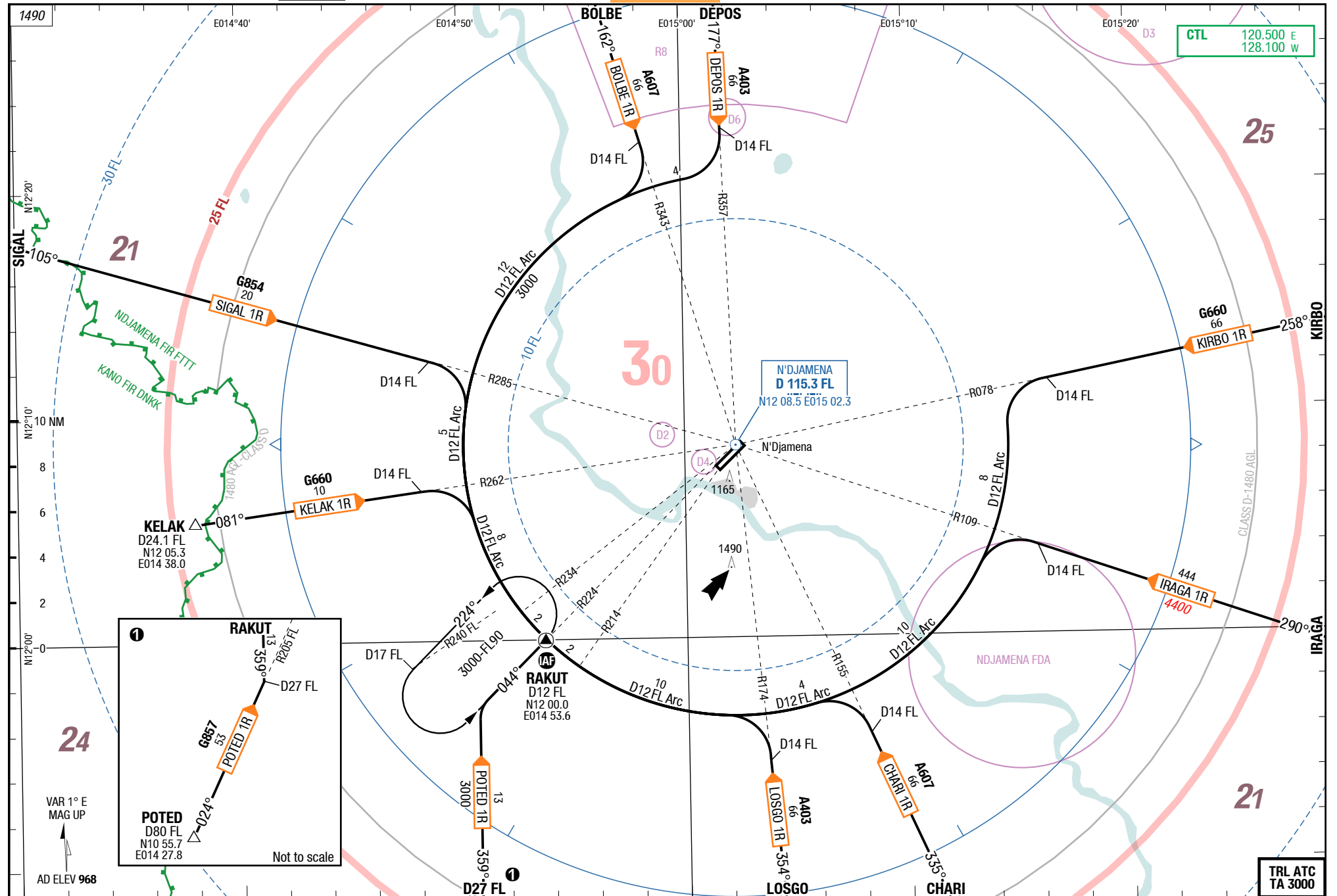
STARs R RWY 05

STAR

STAR

STARs R RWY 05

6-30



Changes: ASP, SUAs, OBST

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Effective 13-SEP-2018

06-SEP-2018

NDJ-FTTJ

Chad N'Djamena Hassan Djamous

Hassan Djamous N'Djamena Chad

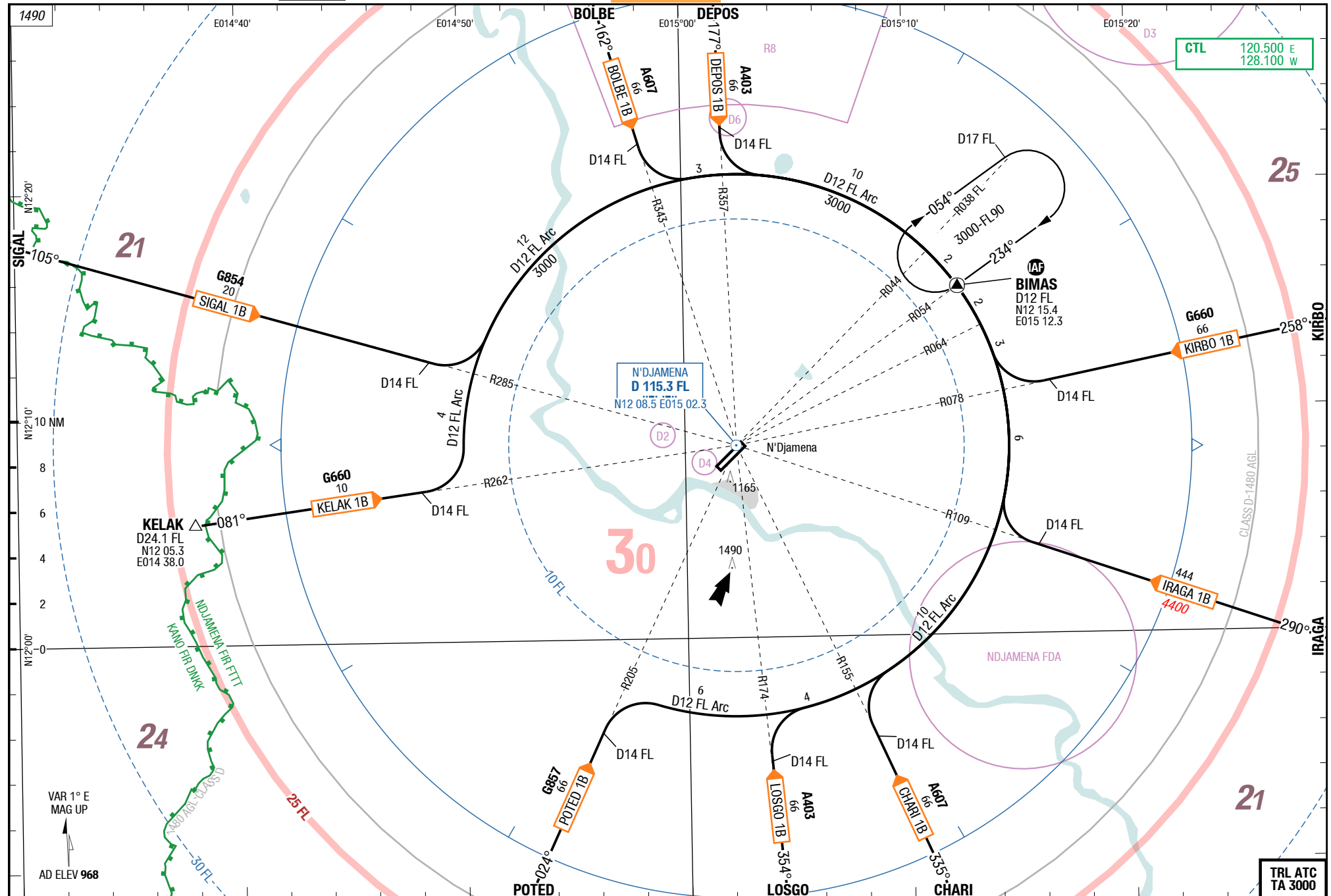
6-40

STARs B RWY 23

STAR

STAR

STARs B RWY 23



Changes: OBST, SUAs

Effective 13-SEP-2018

06-SEP-2018

NDJ-FTTJ

Chad N'Djamena Hassan Djamous

NIL

6-50

STARs V RWYs 05/23

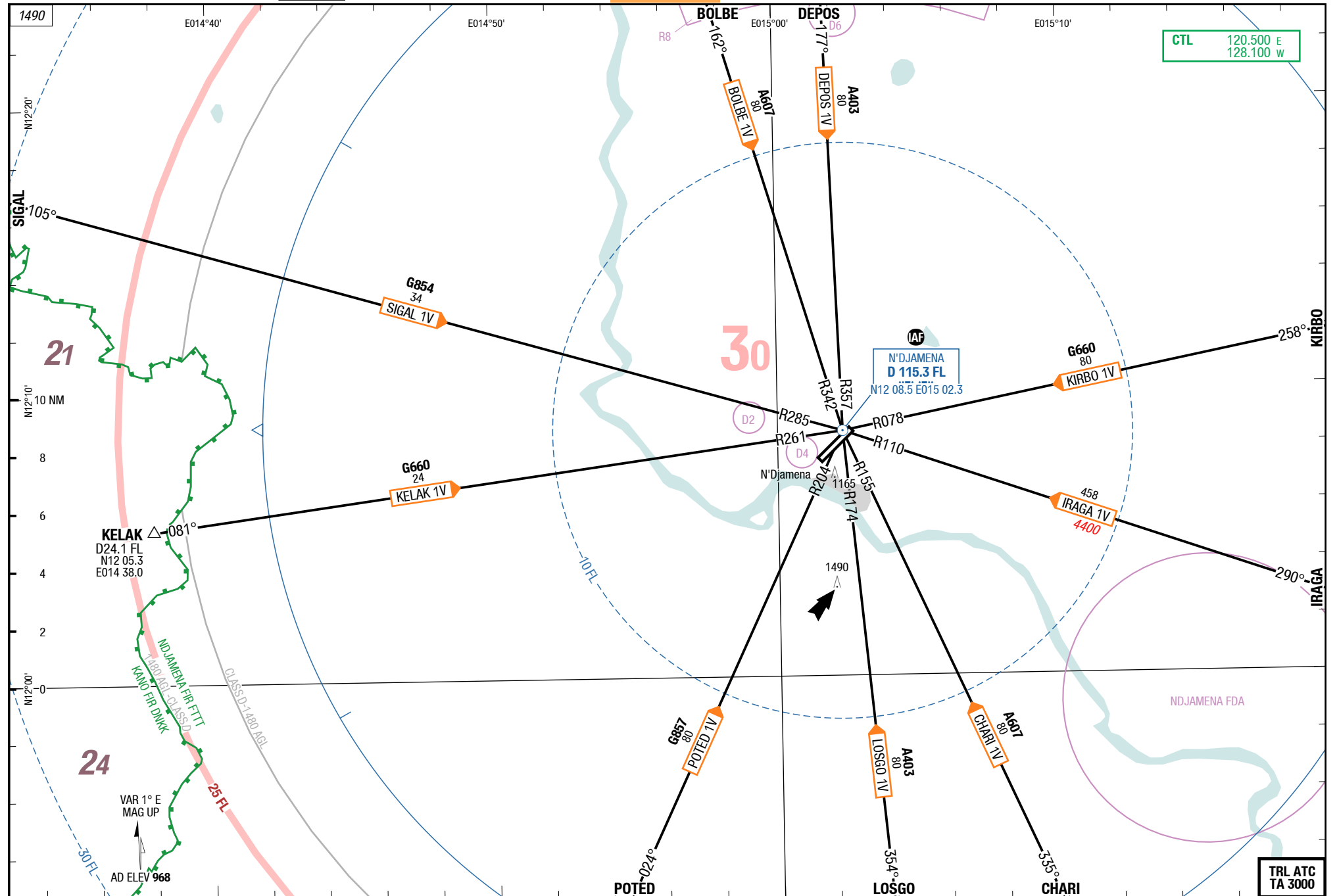
STAR

STAR

Hassan Djamous N'Djamena Chad

NIL

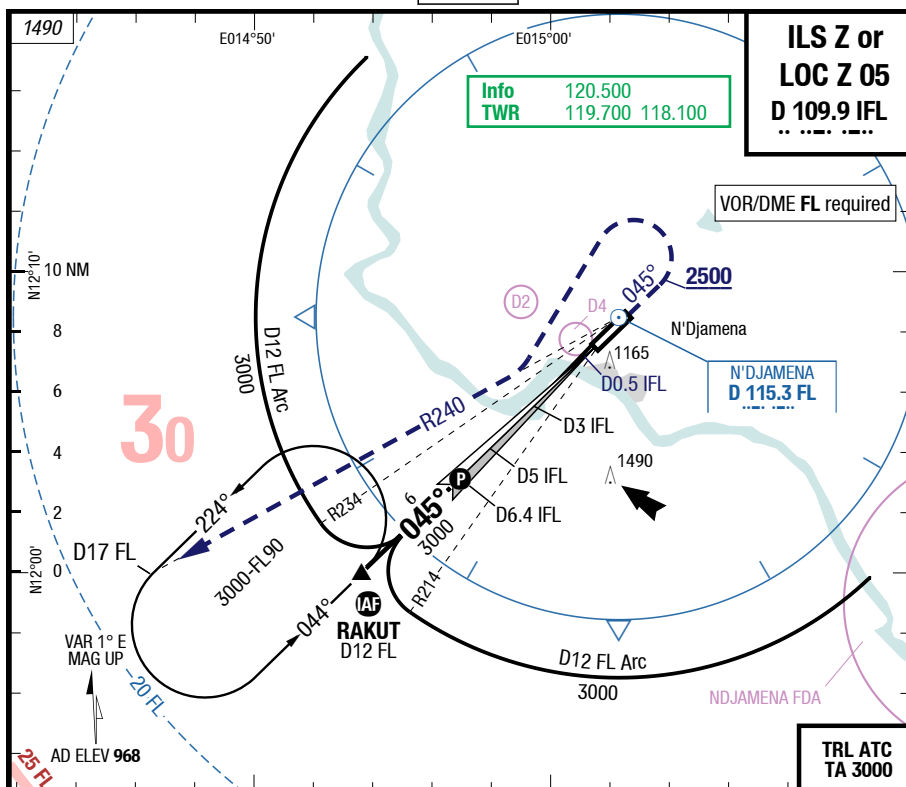
STARs V RWYs 05/23



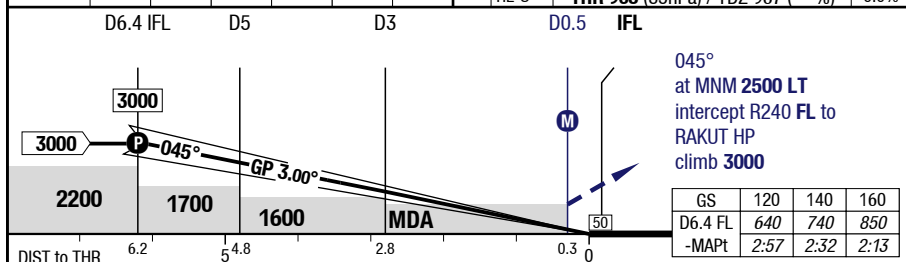
Changes: ASP, SUAs, OBST

7-10

ILS Z or LOC Z 05



| | | | | | | | |
|-----------|------|------|------|------|------|------|--|
| LOC 3.00° | 6.4 | 6 | 5 | 4 | 3 | 2 | <div> <div>05</div> <div>HL-S</div> <div> <div> <div>480</div> <div>2800 x 45</div> <div>50 HL</div> </div> <div> <div>3.0°</div> <div>THR 968 (35hPa) / IDZ 967 (---%)</div> <div>0.0%</div> </div> </div> </div> |
| D IFL | 3000 | 2880 | 2560 | 2240 | 1920 | 1600 | |

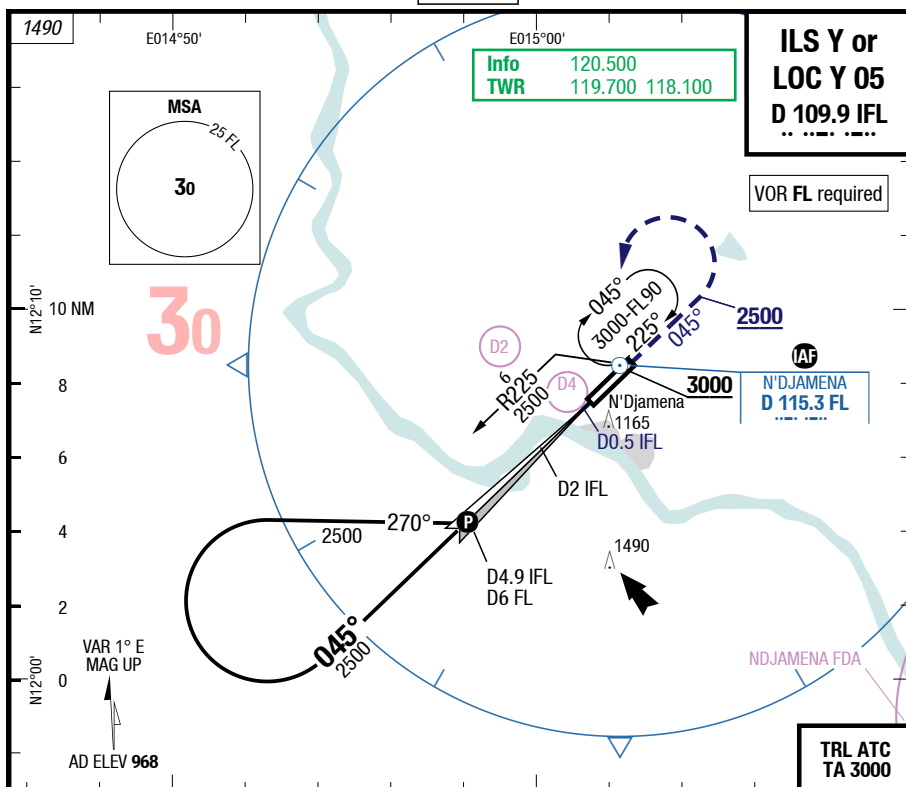


| 05 | | Cat 1 DME | LOC DME | LOC DME APL U/S | | | Circling NW of RWY only HJ only |
|----|-----------------|--|--------------------------|--------------------------|--|--|---------------------------------------|
| C | ft - m/km ft | 290 - 900 1250 ¹⁾ | 400 - 1.4 1360 | | | | 900 - 2.4V 1860 |
| D | ft - m/km ft | 310 - 1.0 1270 ²⁾ | 400 - 1.4 1360 | 400 - 2.0 1360 | | | 900 - 3.6V 1860 |

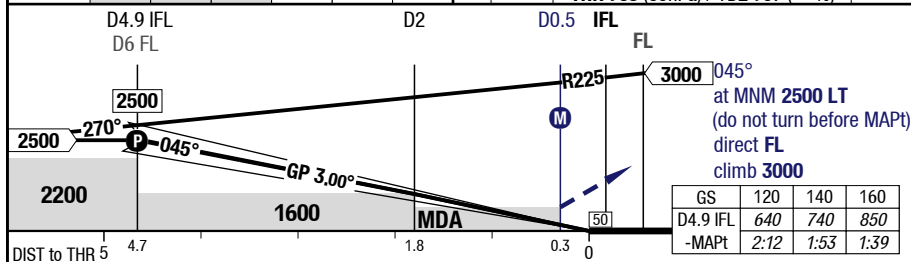
| | |
|------------------|--|
| 1) With EVS 600m | |
|------------------|--|

2) With EVS 650m

Changes: MIN, DIST ALT table, ALT, OBST, SUAs, MISAP text



| | | | | | | | |
|-----------|--|--|--|------|------|------|---|
| LOC 3.00° | | | | 4.9 | 4 | 3 | <div><div>05</div><div>HL-S</div><div><div><div>480</div><div>2800 x 45</div><div>50 HL</div></div><div><div>3.0°</div><div>8</div></div></div></div> |
| D IFL | | | | 2500 | 2240 | 1920 | |



| 05 | | Cat 1 DME | LOC DME | LOC DME APL U/S | | | Circling NW of RWY only HJ only |
|----|-----------------|--|--------------------------|--------------------------|--|--|---------------------------------------|
| C | ft - m/km ft | 290 - 900 1250 ¹⁾ | 400 - 1.4 1360 | | | | 900 - 2.4V 1860 |
| D | ft - m/km ft | 310 - 1.0 1270 ²⁾ | 400 - 1.4 1360 | 400 - 2.0 1360 | | | 900 - 3.6V 1860 |

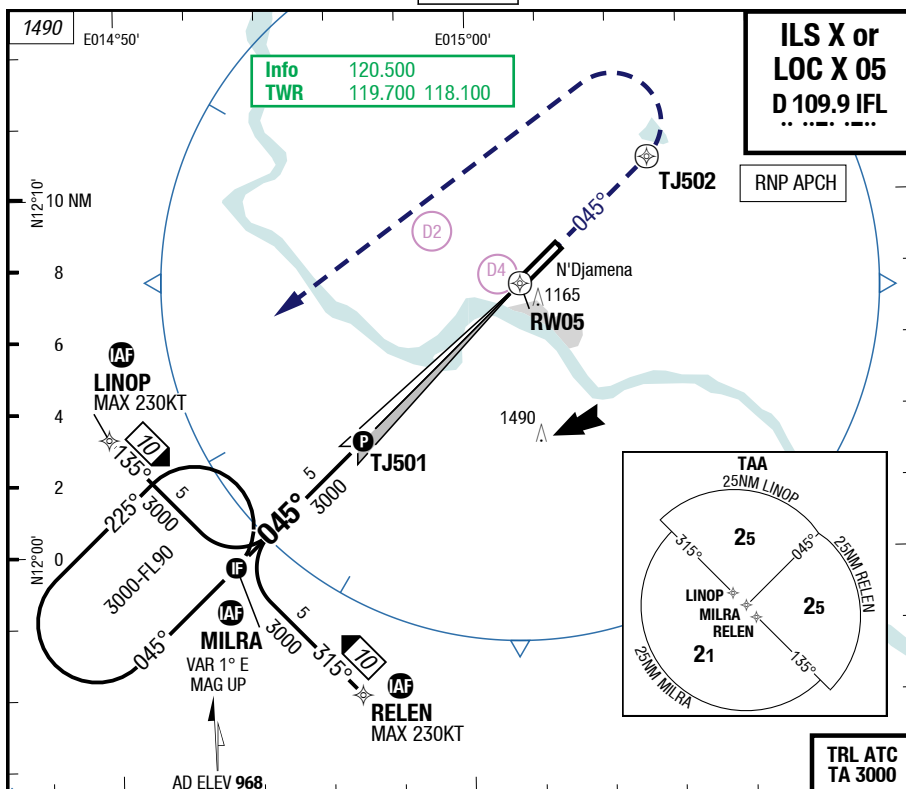
1) With EVS 600m

2) With EVS 650m

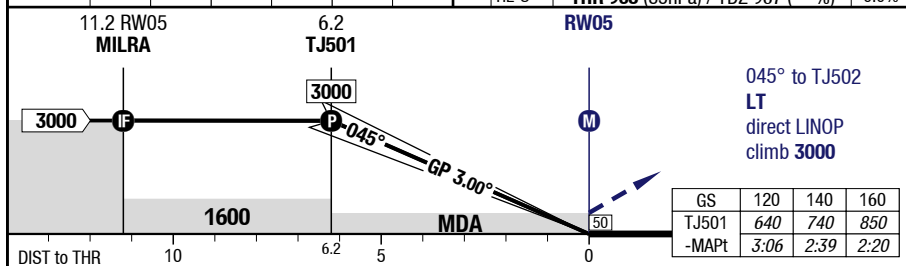
Changes: MIN, DIST ALT table, ALT, SUAs, Profile, OBST

7-30

ILS X or LOC X 05



| | | | | | | | | |
|-------------------|------|------|------|------|------|------|--|--|
| LOC 3.00° RW05 | 6.2 | 6 | 5 | 4 | 3 | 2 | <div> <div>05</div> <div>HL-S</div> </div> | <div> <div> <div>83.0°</div> <div>2800 x 45</div> <div>50 HL</div> </div> <div>480</div> <div>THR 968 (35hPa) / IDZ 967 (---%) 0.0%</div> </div> |
| | 3000 | 2940 | 2620 | 2300 | 1980 | 1660 | | |



| 05 | | Cat 1 | LOC | LOC APL U/S | | | Circling NW of RWY only HJ only |
|----|-----------------|--|--------------------------|--------------------------|--|--|---------------------------------------|
| C | ft - m/km ft | 290 - 900 1250 ¹⁾ | 400 - 1.4 1360 | | | | 900 - 2.4V 1860 |
| D | ft - m/km ft | 310 - 1.0 1270 ²⁾ | 400 - 1.4 1360 | 400 - 2.0 1360 | | | 900 - 3.6V 1860 |

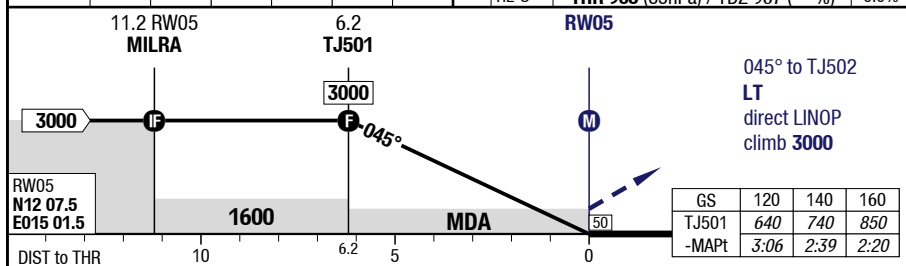
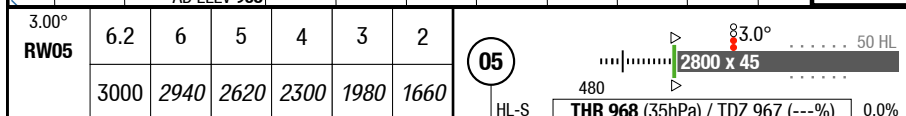
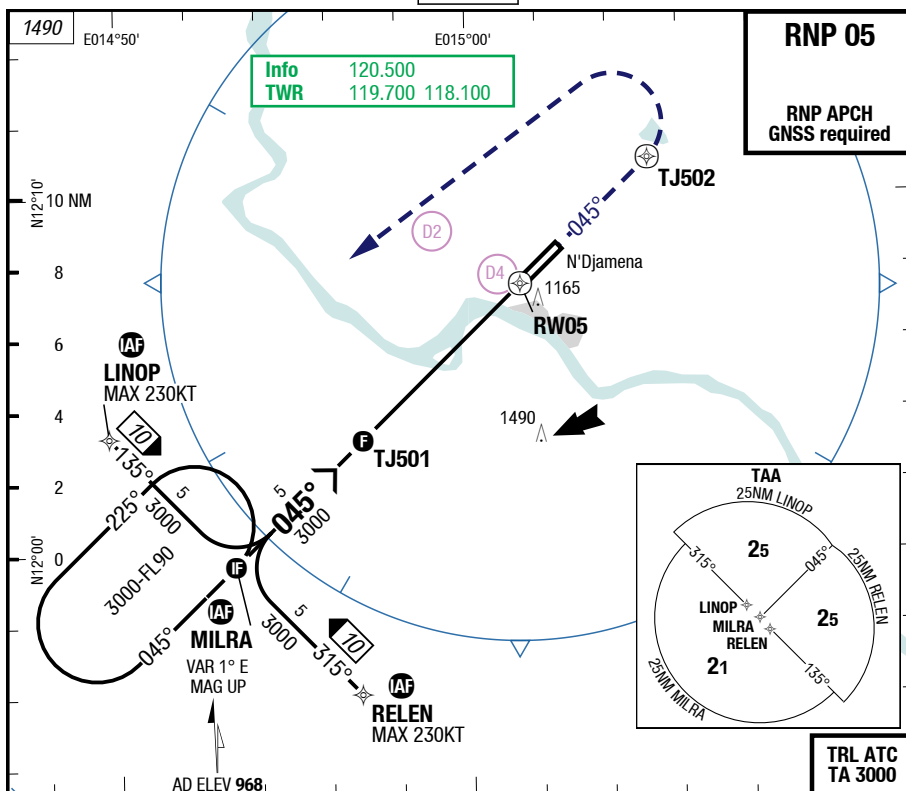
1) With EVS 600m

2) With EVS 650m

Changes: new

7-50

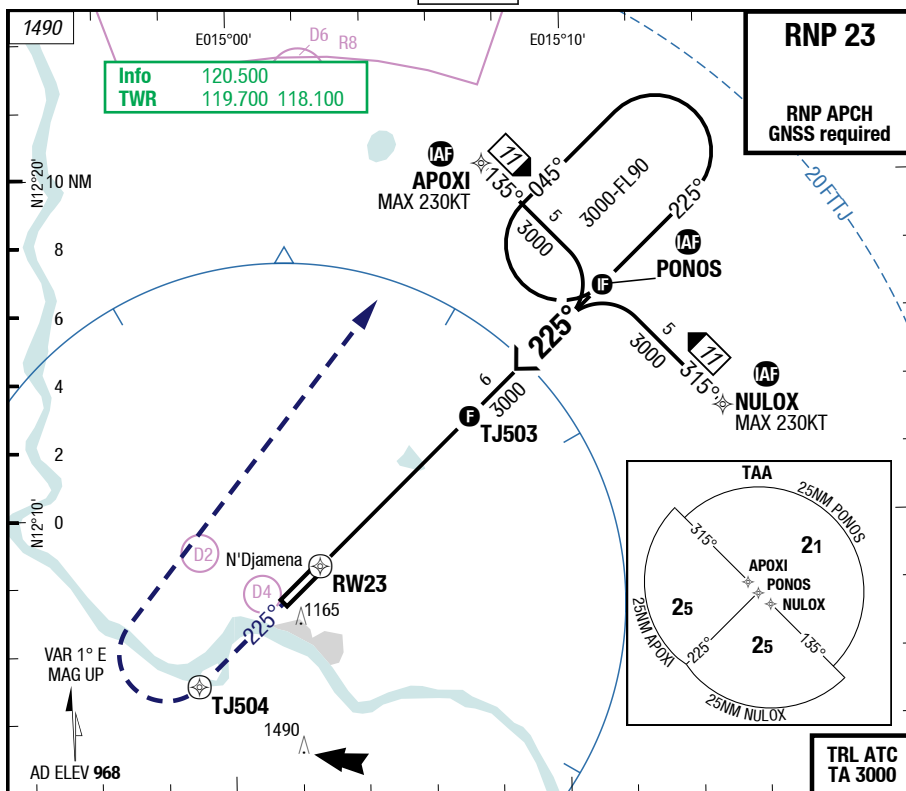
RNP 05



| 05 | | RNP VNAV 1) 2) | RNP VNAV APL U/S 1) 2) | RNP LNAV | RNP LNAV APL U/S | Circling NW of RWY only HJ only |
|----|-----------------|----------------------|---------------------------|-------------------|---------------------|---------------------------------------|
| C | ft - m/km ft | 300 - 1.0 1260 3) | 300 - 1.8 1260 4) | 400 - 1.4 1360 | 400 - 2.0 1360 | 900 - 2.4V 1860 |
| D | ft - m/km ft | 310 - 1.4 1270 5) | 310 - 2.0 1270 6) | 400 - 1.6 1360 | 400 - 2.0 1360 | 900 - 3.6V 1860 |

1) SBAS use for VNAV not applicable or not authorized 2) Uncompensated BARO VNAV NA below 10°C (50°F) 3) With EVS 650m 4) With EVS 1.2km 5) With EVS 900m 6) With EVS 1.3km

Changes: Completely revised

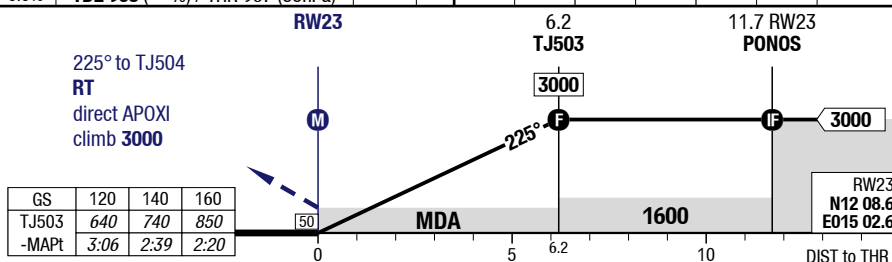


50 HL
45 x 2800
3.0°

0.0% **TDZ 968** (---%) / **THR 967** (35hPa)

23

| 2 | 3 | 4 | 5 | 6 | 6.2 | 3.00° |
|------|------|------|------|------|------|-------------|
| 1660 | 1980 | 2300 | 2620 | 2940 | 3000 | RW23 |



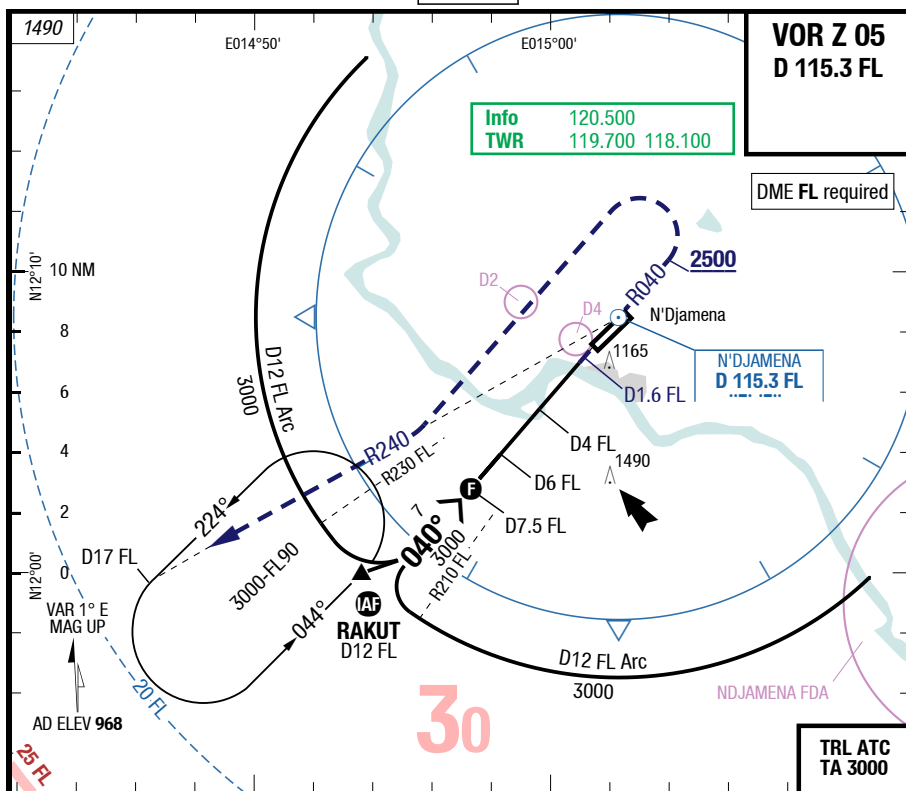
| 23 | | RNP VNAV 1) 2) | RNP LNAV | Circling NW of RWY only HJ only | |
|-----------|-----------------|-----------------------------|--------------------------|--|---------------------------|
| C | ft - m/km ft | 350 - 1.8 1310 3) | 380 - 2.0 1340 | | 900 - 2.4V 1860 |
| D | ft - m/km ft | 370 - 2.0 1330 4) | 380 - 2.0 1340 | | 900 - 3.6V 1860 |

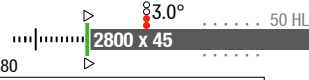
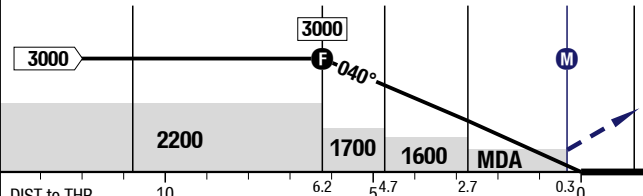
1) SBAS use for VNAV not applicable or not authorized

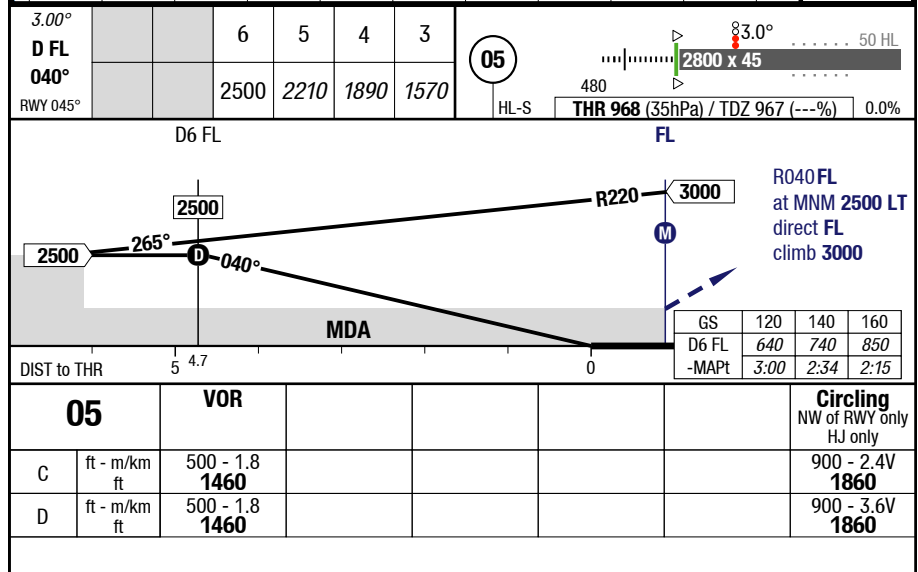
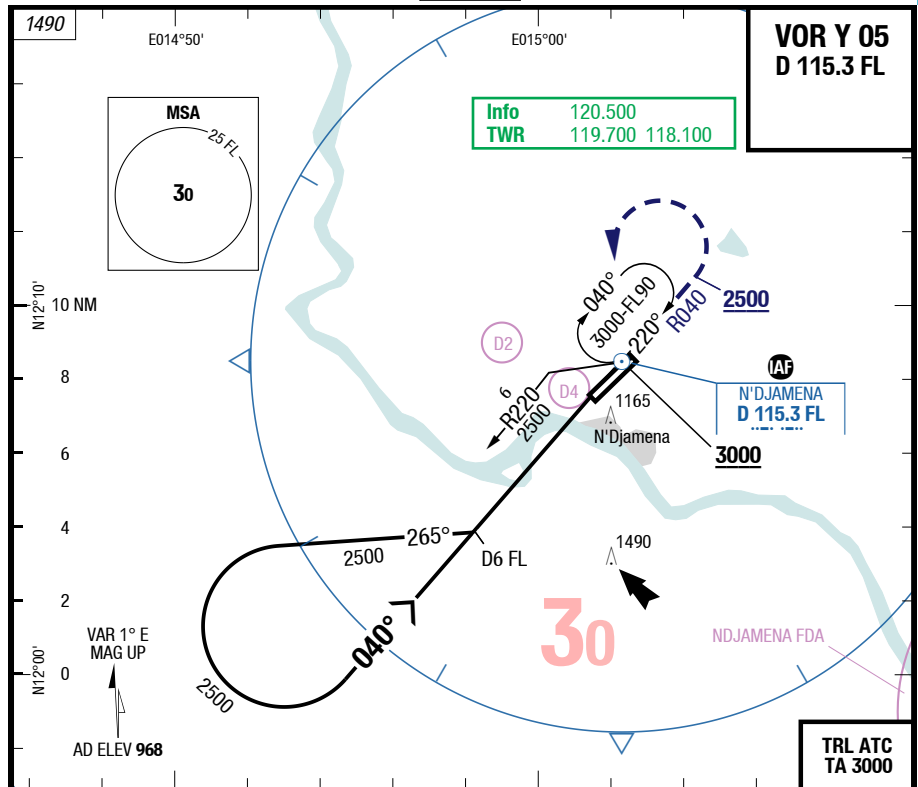
2) Uncompensated BARO VNAV NA below 10°C (50°F)

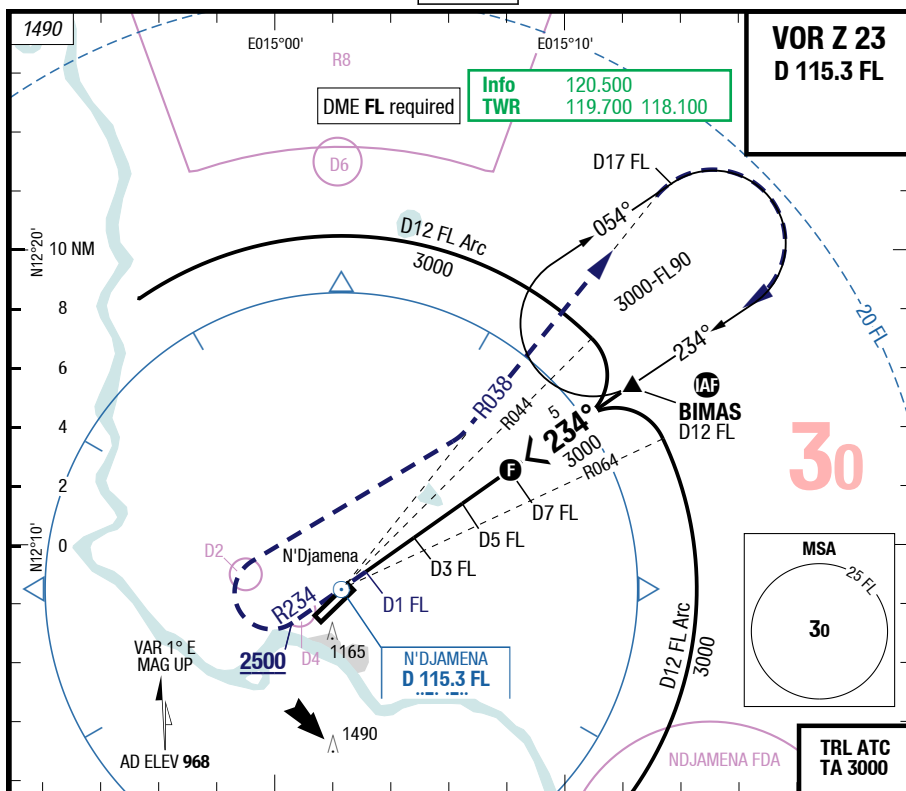
3) With EVS 1.2km

4) With EVS 1.3km



| | | | | | | | | | | | | | | | | | | | | |
|---|--------------------------------------|-----------|--------------------|-----------|-----------|-----------|------------|--|--|-----|-----|-----|---------|-----|-----|-----|-------|------|------|------|
| 3.00° D FL 040° RWY 045° | 7.5 3000 | 7 2840 | 6 2530 | 5 2210 | 4 1890 | 3 1570 | 05 HL-S |  | THR 968 (35hPa) / TDZ 967 (---%) 0.0% | | | | | | | | | | | |
| D12 FL RAKUT | | | | | | | | D7.5 D6 D4 D1.6 FL | R040 FL at MNM 2500 LT (do not turn before MAPt) intercept R240 FL to RAKUT HP climb 3000 | | | | | | | | | | | |
|  | | | | | | | | <table><tr><td>GS</td><td>120</td><td>140</td><td>160</td></tr><tr><td>D7.5 FL</td><td>640</td><td>740</td><td>850</td></tr><tr><td>-MAPt</td><td>2:57</td><td>2:32</td><td>2:13</td></tr></table> | GS | 120 | 140 | 160 | D7.5 FL | 640 | 740 | 850 | -MAPt | 2:57 | 2:32 | 2:13 |
| GS | 120 | 140 | 160 | | | | | | | | | | | | | | | | | |
| D7.5 FL | 640 | 740 | 850 | | | | | | | | | | | | | | | | | |
| -MAPt | 2:57 | 2:32 | 2:13 | | | | | | | | | | | | | | | | | |
| 05 | | VOR DME | VOR DME APL U/S | | | | | Circling NW of RWY only HJ only | | | | | | | | | | | | |
| C | ft - m/km ft 400 - 1.4 1360 | | | | | | | 900 - 2.4V 1860 | | | | | | | | | | | | |
| D | ft - m/km ft 400 - 1.6 1360 | | 400 - 2.0 1360 | | | | | 900 - 3.6V 1860 | | | | | | | | | | | | |



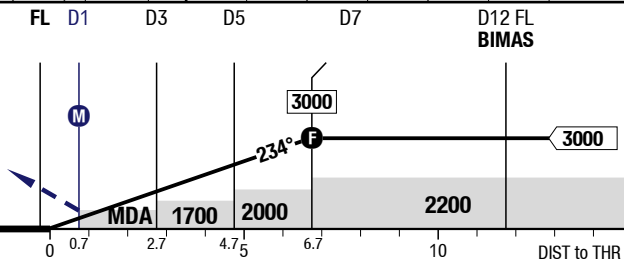


0.0% **TDZ 968** (---%) / THR 967 (35hPa)

| | | | | | | | |
|----|------|------|------|------|------|------|-----------------------|
| 23 | 2 | 3 | 4 | 5 | 6 | 7 | 2.81° D FL 234° |
| | 1540 | 1840 | 2140 | 2440 | 2730 | 3000 | RWY 225° |

R234 FL
at MNM 2500 RT (do not turn
before MAPt)
intercept R038 FL
to BIMAS HP
climb 3000

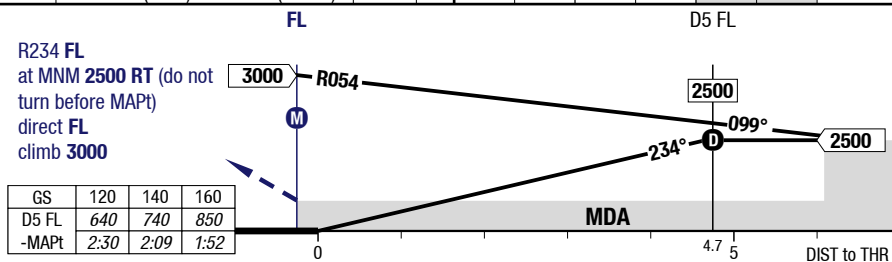
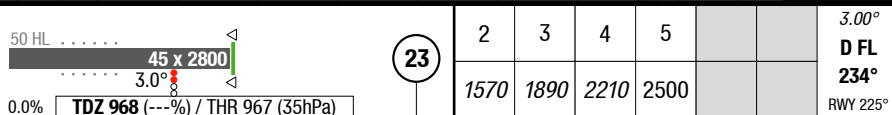
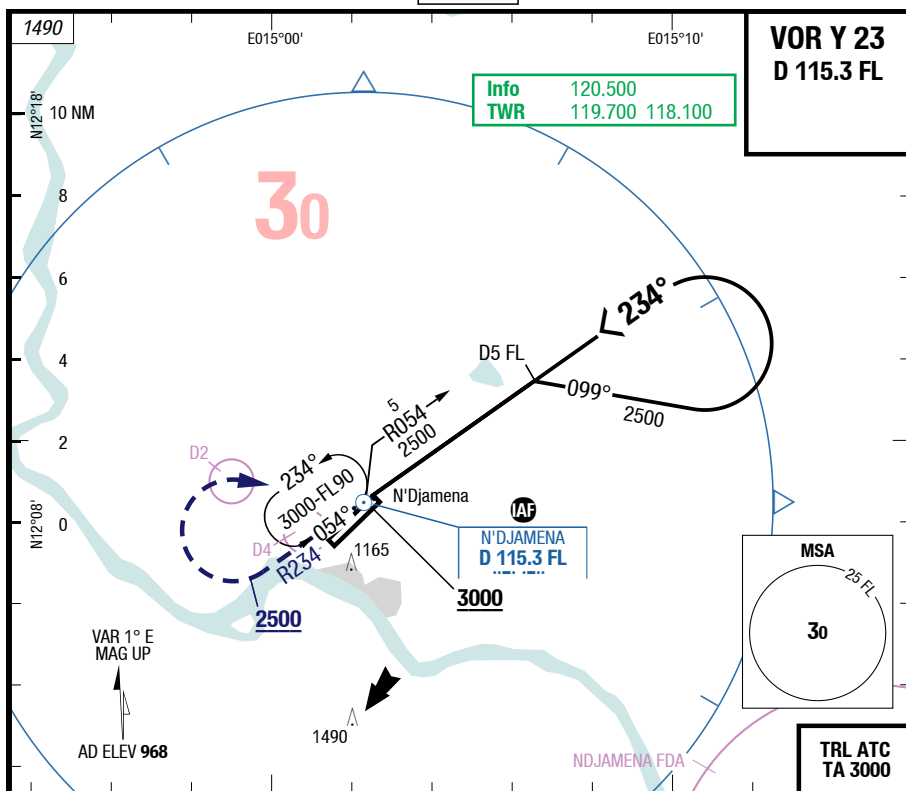
| | | | |
|-------|------|------|------|
| GS | 120 | 140 | 160 |
| D7 FL | 600 | 700 | 800 |
| -MAPt | 3:00 | 2:34 | 2:15 |



| | | | | | | | |
|-----------|-----------------|--------------------------|--|--|--|--|--|
| 23 | | VOR DME | | | | | Circling NW of RWY only HJ only |
| C | ft - m/km ft | 440 - 2.0 1400 | | | | | 900 - 2.4V 1860 |
| D | ft - m/km ft | 440 - 2.0 1400 | | | | | 900 - 3.6V 1860 |

7-100

VOR Y 23



| | | | | | | | |
|-----------|-----------------|--------------------------|--|--|--|--|--|
| 23 | | VOR | | | | | Circling NW of RWY only HJ only |
| C | ft - m/km ft | 440 - 2.0 1400 | | | | | 900 - 2.4V 1860 |
| D | ft - m/km ft | 440 - 2.0 1400 | | | | | 900 - 3.6V 1860 |