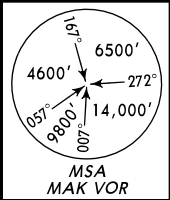


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*ATIS 121.95	Apt Elev 1545'	Alt Set: hPa Trans level: By ATC	Trans alt: 6000'
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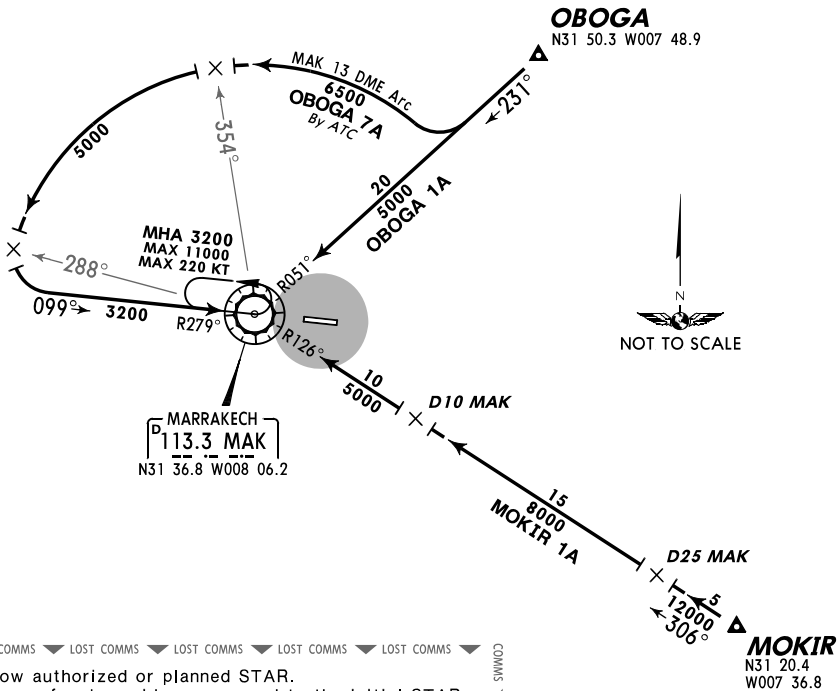
MOKIR 1A [MKR1A], OBOGA 1A [BGA1A]

OBOGA 7A [BGA7A]

BY ATC

RWY 10 ARRIVALS

**~~SPEED~~ MAX 250 KT BELOW FL100**



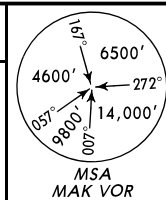
LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼

Follow authorized or planned STAR.  
In case of radar guidance proceed to the initial STAR.  
Observe published FL and speed requirements.  
Proceed to IAF at last assigned and acknowledged level, if this level is available in the holding, otherwise at highest level in holding.  
Stay in holding at this level until as follows:  
- HAP  
- arrival time in holding plus 10 minutes.  
Then descend in holding to FL60, leave the IAF at this level to perform known or estimated approach procedure until landing.

COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲

▲ SWW00 LOST COMMS ▲ SWW00 LOST COMMS ▲ SWW00 LOST COMMS ▲ SWW00 LOST COMMS ▲ SWW00 LOST COMMS ▲

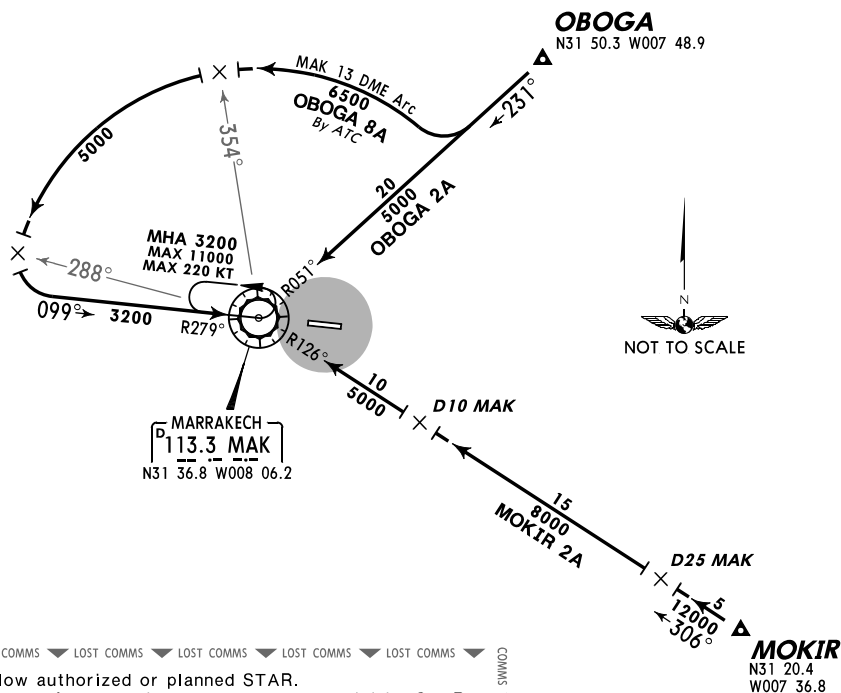
MAX 230 KT during turns and along MAK DME arcs.	
STAR	ROUTING
MOKIR 1A	Intercept MAK R-126 inbound to MAK.
OBOGA 1A	Intercept MAK R-051 inbound to MAK
OBOGA 7A	Intercept MAK R-051 inbound, along MAK 13 DME arc, intercept MAK R-279 inbound to MAK.



BY ATC

RWY 28 ARRIVALS

**SPEED: MAX 250 KT BELOW FL100**



LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼

Follow authorized or planned STAR.  
In case of radar guidance proceed to the initial STAR.  
Observe published FL and speed requirements.  
Proceed to IAF at last assigned and acknowledged  
level, if this level is available in the holding, otherwise  
at highest level in holding.  
Stay in holding at this level until as follows:  
- HAP  
- arrival time in holding plus 10 minutes.  
Then descend in holding to FL60, leave the IAF at this  
level to perform known or estimated approach procedure  
until landing.

▲ SWOD 1507 ▲ SWOD 1507 ▲ SWOD 1507 ▲ SWOD 1507 ▲ SWOD 1507

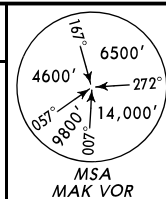
MAX 230 KT during turns and along MAK DME arcs.

STAR	ROUTING
<b>MOKIR 2A</b>	Intercept MAK R-126 inbound to MAK.
<b>OBOGA 2A</b>	Intercept MAK R-051 inbound to MAK
<b>OBOGA 8A</b>	Intercept MAK R-051 inbound, along MAK 13 DME arc, intercept MAK R-279 inbound to MAK.

Trans level: By ATC    Trans alt: 6000'

LISRA 3D [LSR3D], MABAP 3D [MBP3D]  
MAGAV 3D [MGV3D]  
RWY 10 DEPARTURES

**SPEED: MAX 250 KT BELOW FL100**



LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼

In VMC: turn back to land on the aerodrome.  
In IMC: pursue the flight in accordance with the departure route, climb until assigned FL or minimum flight altitude if higher, then comply with current flight plan.

▲ SWW02 ISOT COMS ▲ SWW02 ISOT COMS ▲ SWW02 ISOT COMS ▲ SWW02 ISOT COMS

These SIDs require minimum climb gradients of

## LISRA 3D

425' per NM (7%) on 114° track, then  
304' per NM (5%) on 271° track.

### MABAP 3D

425' per NM (7%) on 114° track, then  
243' per NM (4%) on 307° track.

MAGAY 3D

425' per NM (7%) on 114° track, then  
243' per NM (4%) on 287° track.

Gnd speed-KT	75	100	150	200	250	300
425' per NM	532	709	1063	1418	1772	2127
304' per NM	380	506	760	1013	1266	1519
243' per NM	304	405	608	810	1013	1215

If unable to comply advise ATC.

**MABAP**  
N32 07.5 W008 11.8

**D15 MAK**  
N31 51.6  
W008 08.9

BENGUERIR  
 D 115.4 BGR  
 N32 09.5 W007 52.8

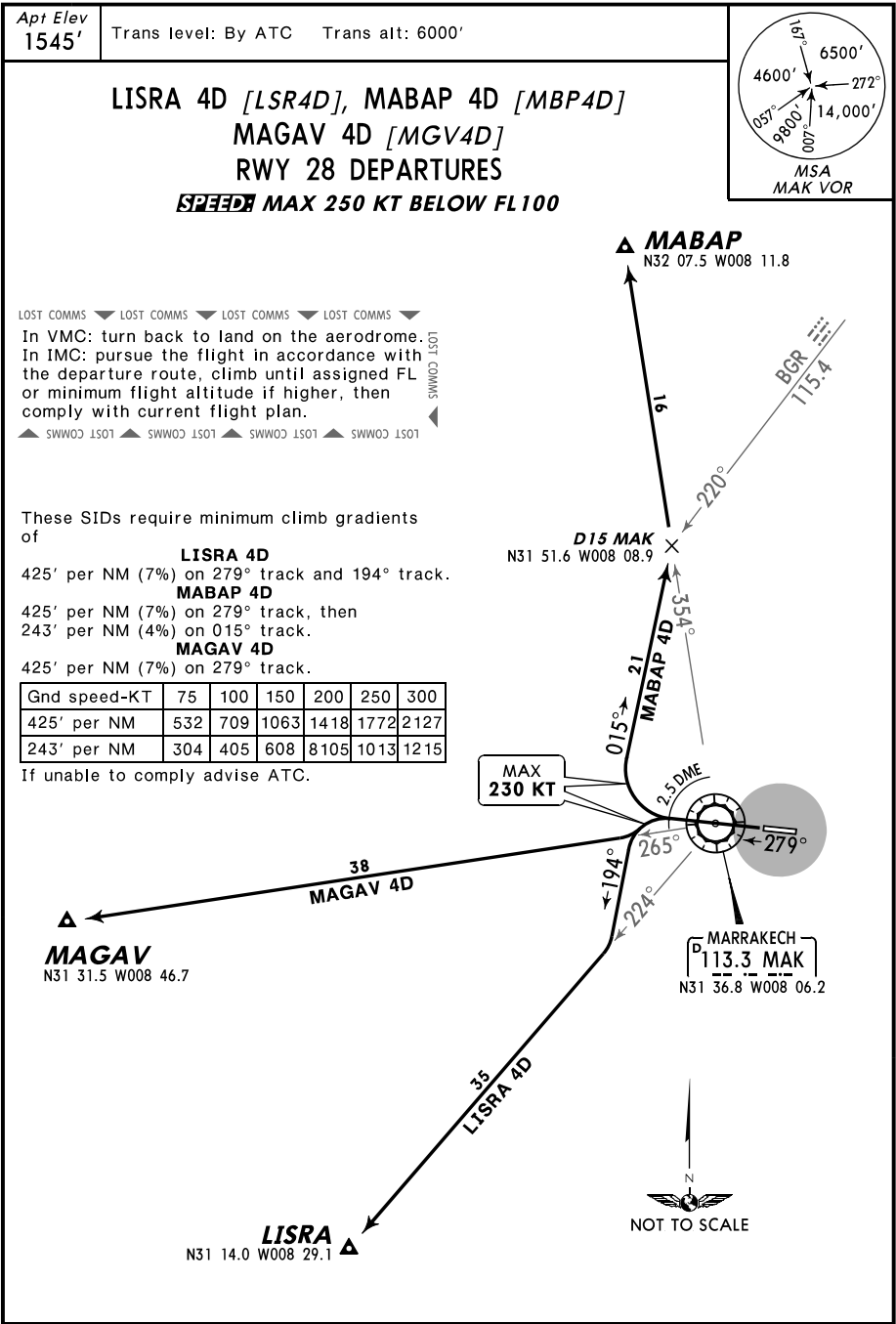
MARRAKECH  
113.3 MAK  
N31 36.8 W008 06.2

**MAGAV**  
N31 31.5 W008 46.7

**LISRA** ▲  
N31 14.0 W008 29.1

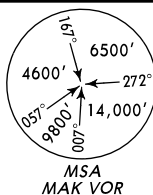
NOT TO SCALE

SID	ROUTING
<b>LISRA 3D</b>	Climb on 114° track to MAK 10 DME, turn RIGHT, 271° track, intercept MAK R-224 to LISRA and FPL route.
<b>MABAP 3D</b>	Climb on 114° track to MAK 10 DME, turn LEFT, 307° track, intercept MAK R-354 to MABAP and FPL route.
<b>MAGAV 3D</b>	Climb on 114° track to MAK 10 DME, turn RIGHT, 287° track, intercept MAK R-265 to MAGAV and FPL route.



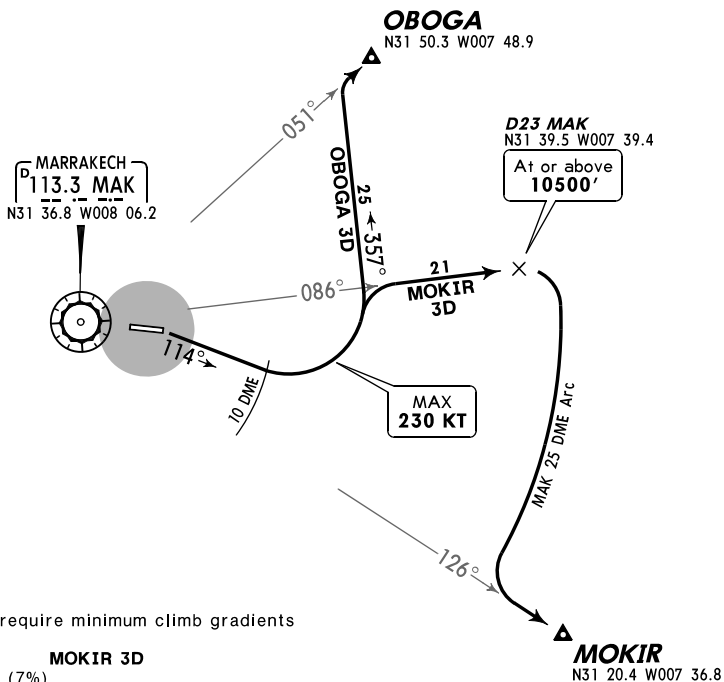
Trans level: By ATC    Trans alt: 6000'

***SPEED: MAX 250 KT BELOW FL100***



In IMC: turn back to land on the assigned RWY.  
In VMC: pursue the flight in accordance with the departure route, climb until assigned FL or minimum flight altitude if higher, then comply with current flight plan.

▲ SWW02 1S07 ▲ SWW02 1S07 ▲ SWW02 1S07 ▲ SWW02 1S07



These SIDs require minimum climb gradients of

**MOKIR 3D**  
425' per NM (7%).

**OBOGA 3D**  
425' per NM (7%) on 114° track, then  
304' per NM (5%) on 357° track.

Gnd speed-KT	75	100	150	200	250	300
425' per NM	532	709	1063	1418	1772	2127
304' per NM	380	506	760	1013	1266	1519

If unable to comply advise ATC.

SID	ROUTING
<b>MOKIR 3D</b>	Climb on 114° track to MAK 10 DME, turn LEFT, intercept MAK R-086 to D23 MAK, turn RIGHT, along MAK 25 DME arc, intercept MAK R-126 to MOKIR and FPL route.
<b>OBOGA 3D</b>	Climb on 114° track to MAK 10 DME, turn LEFT, 357° track, intercept MAK R-051 to OBOGA and FPL route.

Apt Elev  
1545'

Trans level: By ATC    Trans alt: 6000'

MOKIR 4D [MKR4D], OBOGA 4D [BGA4D]

RWY 28 DEPARTURES

~~SPEED~~ MAX 250 KT BELOW FL100

167°

6500'

272°

14,000'

057°

4600'

000'

MSA  
MAK VOR

LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼

In VMC: turn back to land on the aerodrome.

In IMC: pursue the flight in accordance with the departure route, climb until assigned FL or minimum flight altitude if higher, then comply with current flight plan.

LOST COMMS ▲

▲ S W W O C 1501 ▲ S W W O C 1501 ▲ S W W O C 1501 ▲ S W W O C 1501

**OBOGA**  
N31 50.3 W007 48.9

**MARRAKECH**  
P 113.3 MAK  
N31 36.8 W008 06.2

**MOKIR**  
N31 20.4 W007 36.8

082° → 32  
OBOGA 4D

051°

2.5 DME

279°

099° → 43  
MOKIR 4D

126°

MAX 230 KT

NOT TO SCALE

These SIDs require minimum climb gradients of

<b>MOKIR 4D</b>						
425' per NM (7%) on 279° track, then						
365' per NM (6%) on 099° track.						
<b>OBOGA 4D</b>						
425' per NM (7%) on 279° track, then						
304' per NM (5%) on 082° track.						
Gnd speed-KT	75	100	150	200	250	300
425' per NM	532	709	1063	1418	1772	2127
365' per NM	456	608	911	1215	1519	1823
304' per NM	380	506	760	1013	1266	1519

SID	ROUTING
MOKIR 4D	Climb on 279° track to MAK 2.5 DME outbound, turn LEFT, 099° track, intercept MAK R-126 to MOKIR and FPL route.
OBOGA 4D	Climb on 279° track to MAK 2.5 DME outbound, turn RIGHT, 082° track, intercept MAK R-051 to OBOGA and FPL route.

CHANGES: New procedures at this airport.

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