

LIML/LIN  
LINATE

29 JUN 07

JEPPESEN  
20-1P  
Eff 5 Jul

MILAN, ITALY  
AIRPORT BRIEFING

## 1. GENERAL

### 1.1. ATIS

ATIS 135.55

### 1.2. NOISE ABATEMENT PROCEDURES

#### 1.2.1. REVERSE THRUST

The use of reverse thrust at power higher than idle is allowed only in the event of proven safety/operational reasons.

#### 1.2.2. RUN-UP TESTS

Engine tests at high power are prohibited between 2200-0500LT, except for ACFT to be used immediately.

#### 1.2.3. AUXILIARY POWER UNITS (APUs)

Use of APU is allowed 30 minutes before departure, 15 minutes after arrival and 15 minutes at parking docks 1-5.

### 1.3. LOW VISIBILITY PROCEDURES (LVP)

#### 1.3.1. GENERAL

- LVP will be applied during CAT II/III and DEP operations with RVR less than 550m. Requirements to operators are established by ENAC regulation "All weather ops in Italian Airspace".
- Pilots will be informed when LVP are in force via ATIS or RTF.
- Minimums used by operators must be accepted by appropriate CAA.
- Whenever conditions are such that all or part of the manoeuvring area cannot be visually monitored from Tower, taxiing operation shall be carried out according to Tower instructions and information.
- Whenever RVR is equal to or less than 550m measured on TDZ RVR point or ceiling below 200', RWY 36 will be in use and RWY entry and exit points will be as follows:

##### Arriving ACFT:

- Landing ACFT will vacate the RWY by using preferential TWY K when proceeding to West Apron and only TWY G when proceeding to North Apron.
- ACFT shall report to Tower when sensitive areas (identified by standard centerline colour code) have been vacated.

##### Departing ACFT:

- Entry RWY 36 exclusively via TWY T.
- Taxiing shall be carried out through established reference points:  
RWY holding position 36 CAT II/III on TWY T,  
intermediate holding positions.
- TWY J not usable.
- With surface movement radar (SMR) out of service, in case of RVR less than 400m, only one ACFT movement at the time is permitted.
- Follow-me assistance is mandatory:
  - on K1 position, to the West Apron via TWY K,
  - out of sensitive area, to the North Apron via TWY G,
  - from North or West Apron to T5 position.
- With surface movement radar (SMR) avbl, in case of RVR value at stop end point bwn 400m and 150m, follow-me assistance on pilot request, in case of RVR value at stop end point less than 150m, follow-me assistance is mandatory.
- When LVP are in force a reduced landing rate can be expected.
- Training ILS CAT II/III must be requested to ATC unit in advance.
- During LVP whenever RVR is less than 550m measured on TDZ RVR point or ceiling below 200' PAPI system will be switched-off.

For Low Visibility Taxi Routes refer to 20-9 charts.

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## 1. GENERAL

### 1.3.2. ACFT LOST ON MANOEUVRING AREA DURING LVP

- If an ACFT or vehicle should report to be lost on manoeuvring area.
- all operations must be suspended at once.
- taxiing traffic has to report and maintain its position and will be informed about last position reported/known of the lost traffic.

### 1.3.3. COMMUNICATION FAILURE DURING LVP

- Departing ACFT will continue strictly on the assigned taxi route to the clearance limit.  
ACFT shall remain on this point and wait for the arrival of the follow-me car in order to be guided back to the stand.
- Arriving ACFT will vacate the RWY and sensitive area via appropriate TWY and wait for the arrival of a follow-me car in order to be guided to the stand.

### 1.4. RWY OPERATIONS

#### 1.4.1. PREFERENTIAL RWY SYSTEM

Use RWY 36. MAX tailwind component 7 KT (dry RWY) or 5 KT (wet RWY).

#### 1.4.2. MINIMUM RWY OCCUPANCY TIME

To minimize spacing between successive approaches, a special operational practice applies, unless otherwise instructed by Tower and with due respect to flight safety.

### 1.5. TAXI PROCEDURES

#### 1.5.1. GENERAL

ACFT with taxi allowance must switch on landing lights.  
TWY A MAX wingspan 118'/36m.

TWY K available for ACFT with MAX wingspan ICAO class C and MAX outer main gear wheel span ICAO class B. All ACFT not in compliance must inform Tower in advance.

ACFT with a tail height above 30'/9m must inform Ground before entering TWY N. Any ACFT prior to taxi on the stretch of TWY N located along the extended RCL RWY 36 shall request and obtain specific ATC authorization.

On TWY T follow-me assistance required for ACFT with wingspan exceeding 141'/43m.

#### 1.5.2. RWY CROSSING PROCEDURE

ACFT which is required to cross or to taxi on active RWY will be issued instructions by the Ground controller, which will include a RWY holding position as a clearance limit, in which the ACFT will be required to hold short of the active RWY. When reaching the clearance limit specified in the taxiing instructions, the ACFT will be instructed to change frequency to Tower. After crossing RWY and having reported "runway vacated" to the Tower controller, ACFT will be instructed to revert to Ground for further clearance. In the absence of further clearance it is essential that the ACFT does not proceed beyond the first position cleared of the RWY.

### 1.6. PARKING INFORMATION

Stands 1 thru 5 equipped with visual docking guidance system, push-back required.  
Stands 13, 25, 27, 29 thru 31, 34 and 36 thru 38, push-back required.  
Stand 39 push-back required to TWY T and TWY D Northward.  
Stands 51 thru 56 and area G1 are push-back or power-back stands or tow to get out except for ACFT up to MTOW 4000kg. Start-up is allowed with one engine at minimum power.  
Stand ICE 1 for de-icing only.  
Parking areas GA1, GA2 and stands 51 thru 56 use of follow-me or marshalling service is always required from/to holding positions K1, N1 and for all local apron ACFT movements.

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## 1. GENERAL

### 1.7. OTHER INFORMATION

#### 1.7.1. OPERATION OF MODE S TRANSPONDER WHEN ACFT IS ON GROUND

##### 1.7.1.1. ACFT EQUIPPED WITH MODE S TRANSPONDER

On the movement area:

- Select XPDR or its equivalent depending on the specifications of the installed model;
- Select AUTO mode, if the function is available;
- Do not select the OFF or STAND BY functions;
- Set Mode A code to 1000.

##### 1.7.1.2. ACFT NOT EQUIPPED WITH MODE S TRANSPONDER OR WITH UNSERVICEABLE MODE S TRANSPONDER

On The movement area. maintain Mode A + C transponder OFF for all the duration of displacement.

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JEPPESEN  
(20-1P3)  
Eff 5 Jul

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AIRPORT BRIEFING

## 2. ARRIVAL

### 2.1. SPEED RESTRICTIONS

Unless otherwise instructed by ATC pilots must comply with following speed control:

- 250 KT at or below FL 100.
- 210 KT when starting turn to intercept ILS LOC or appropriate VOR radial or when on ST-IN APCH at 12 NM from THR.
- 180 KT when completing turn to intercept ILS LOC or when on ST-IN APCH at 9 NM from THR.
- 160 KT at 7 NM from THR.

### 2.2. CAT II/III OPERATIONS

RWY 36 approved for CAT II/III operations, special aircrew and ACFT certification required.

### 2.3. RWY OPERATIONS

#### 2.3.1. MINIMUM RWY OCCUPANCY TIME

After vacating RWY, ACFT shall not stop before having passed the holding line. Propeller and turbo propeller engine ACFT shall vacate the RWY as far as possible by TWY K if bound to West Apron.

### 2.4. TAXI PROCEDURES

TWY K centerline lights visible from RWY 18/36 to West Apron only.

### 2.5. OTHER INFORMATION

#### 2.5.1. OPERATION OF MODE S TRANSPONDER WHEN ACFT IS ON GROUND

##### 2.5.1.1. ACFT EQUIPPED WITH MODE S TRANSPONDER

After landing until at a stand:

- Select XPDR or its equivalent depending on the specifications of the installed model;
- Select AUTO mode, if the function is available;
- Do not select the OFF or STAND BY functions;
- Maintain the Mode A code assigned by ATC.

##### 2.5.1.2. ACFT NOT EQUIPPED WITH MODE S TRANSPONDER OR WITH UNSERVICEABLE MODE S TRANSPONDER

Set the Mode A + C transponder to OFF as soon as the RWY is vacated;

##### 2.5.1.3. WARNING

TCAS should be deselected after vacating the RWY.

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14 SEP 07 (20-1P4)

MILAN, ITALY  
AIRPORT BRIEFING

### 3. DEPARTURE

#### 3.1. DE-ICING

##### 3.1.1. GENERAL

De-icing takes place at stands 35 and ICE1.

##### 3.1.2. PROCEDURE

- ACFT operator/pilot of ACFT shall submit the request to the de-icing provider, through the company or the ramp agent attending the flight, at least 50 min before EOBT.
- No request will be accepted during taxiing.
- Pilot, at start-up, will report to Tower to have already agreed upon de-icing operations.
- For de-icing position expect Tower instructions to position via apron TWY.
- Follow-me car assistance on pilot's request. During LVP marshaller will guide the ACFT to the de-icing position.
- Pilot in command shall report to Tower "ready to move" only after ground de-icing procedures have been completed.

##### 3.1.3. ACFT ENGINES STATUS DURING OPERATIONS

Twin-engine ACFT: Both on idle power.

Three-engine ACFT: Tail out, internal idle tower.

Four-engine ACFT: External out, internal idle power.

Propeller ACFT: Propellers should be stopped when possible.

#### 3.2. START-UP & TAXI PROCEDURES

TWY K from West Apron to RWY 17/35 DAY only.

ATC start-up clearance shall be requested only when ACFT is at stand or W1 Parking Areas GA1 and GA2.

#### 3.3. SPEED RESTRICTIONS

MAX 250 KT below FL100 when under radar control. If unable to comply advise ATC when requesting start-up clearance. ATC removes limitations by the phrase: "NO ATC RESTRICTION ON SPEED".

Similarly, whenever such a situation should arise during flight, advise ATC immediately and maintain minimum operational speed acceptable.

#### 3.4. NOISE ABATEMENT PROCEDURES

Because of noise abatement requirements pilots are requested to strictly adhere to initial climb procedures within the limits of ACFT performance criteria.

Compliance with the procedures below shall not be required in adverse weather conditions or for safety reasons.

During the initial climb phase pilots shall maintain the following parameters:

- a) up to 1500' QFE
  - take-off power;
  - take-off flap;
  - climb at  $V_2 + 10/20$  KT or as limited by body angle;
- b) at 1500' QFE
  - reduce thrust and climb  $V_2 + 10/20$  KT until reaching 3000' QFE;
- c) at 3000' QFE
  - accelerate smoothly to enroute climb speed with flap retraction.

#### 3.5. RWY OPERATIONS

##### 3.5.1. MINIMUM RWY OCCUPANCY TIME

Pilots shall comply with instructions to Line-up without any delay. Line-up manoeuvre shall start immediately after the preceding departing ACFT has begun the take-off run or the landing traffic has passed the THR.

As far as possible pre-flight checks should be completed before line-up. Any other checks following line-up shall be carried out as quickly as possible.

Take-off run shall start immediately after take-off clearance.

Prior to line-up, pilots must inform Tower if unable to comply.

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14 SEP 07 (20-1P5)

MILAN, ITALY  
AIRPORT BRIEFING

### 3. DEPARTURE

#### 3.6. OTHER INFORMATION

##### 3.6.1. OPERATION OF MODE S TRANSPONDER WHEN ACFT IS ON GROUND

###### 3.6.1.1. ACFT EQUIPPED WITH MODE S TRANSPONDER

From either push-back or taxi request, whichever is earlier:

- Enter through the FMS or transponder control panel:
  - Flight Identification as specified in item 7 of ICAO flight plan form; or
  - In the absence of Flight Identification, the ACFT Registration;
- Select XPDR or its equivalent depending on the specifications of the installed model;
- Select AUTO mode, if the function is available;
- Do not select the OFF or STAND BY functions;
- Set the Mode A code assigned by ATC.

###### 3.6.1.2. ACFT NOT EQUIPPED WITH MODE S TRANSPONDER OR WITH UNSERVICEABLE MODE S TRANSPONDER

Maintain Mode A + C transponder OFF until line-up.

###### 3.6.1.3. WARNING

TCAS should be selected before entering the RWY, after receiving line-up clearance.



**JEPPESEN**

**MILAN, ITALY**

23 MAR 07 (20-1R)

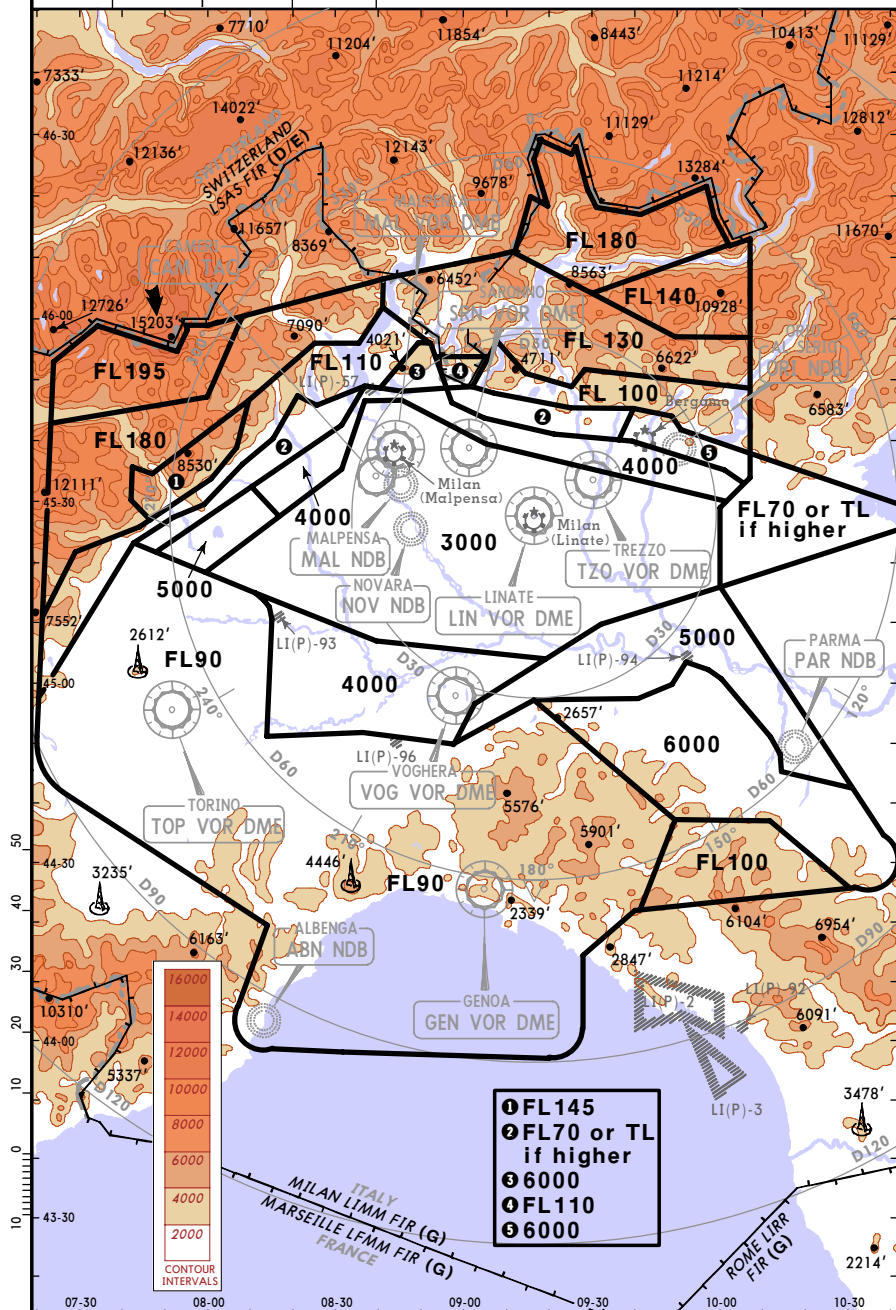
## RADAR MINIMUM ALTITUDES

*MILANO	MILANO	
Arrivals	Departures (APP)	
(APP)	South	North
132.7	*126.3	126.75

*Apt Elev*  
353'

Alt Set: hPa    Trans level: By ATC    Trans alt: 6000'

1. Altitudes are based on Milan QNH.                  2. Minimum altitudes provide 1000' obstacle clearance within 3 NM from aircraft position until 20 NM from radar antenna and within 5 NM from aircraft position beyond 20 NM from radar antenna.



**CHANGES:** New chart.

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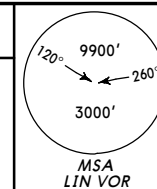
**MILAN, ITALY**

29 JUN 07 (20-2) Eff 5 Jul

**STAR**

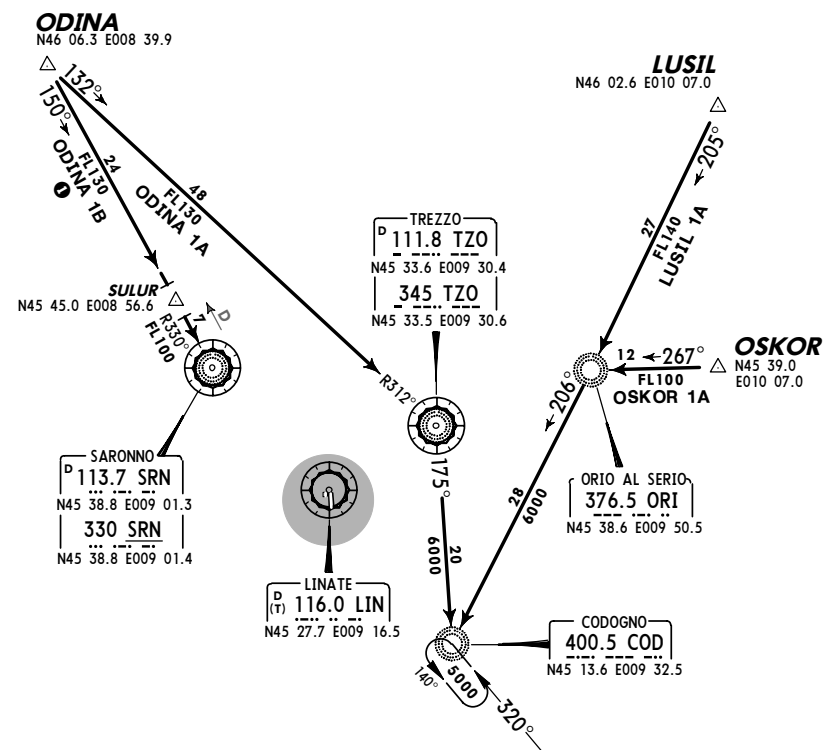
ATIS  
135.55

Apt Elev	353'
----------	------

Alt Set: hPa  
Trans level: By ATC    Trans alt: 6000'

LUSIL 1A [*LUSI1A*]  
ODINA 1A [*ODIN1A*], ODINA 1B [*ODIN1B*] ①  
OSKOR 1A [*OSKO1A*]  
RWY 36 ARRIVALS  
B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL  
FROM NORTH

**1** By ATC



**HOLDING  
OVER SRN**



**CHANGES:** Runway designation: restriction established.

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LIML/LIN  
LINATE

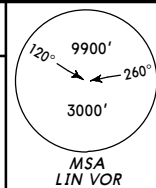
JEPPESEN

29 JUN 07 (20-2A) Eff 5 Jul

MILAN, ITALY

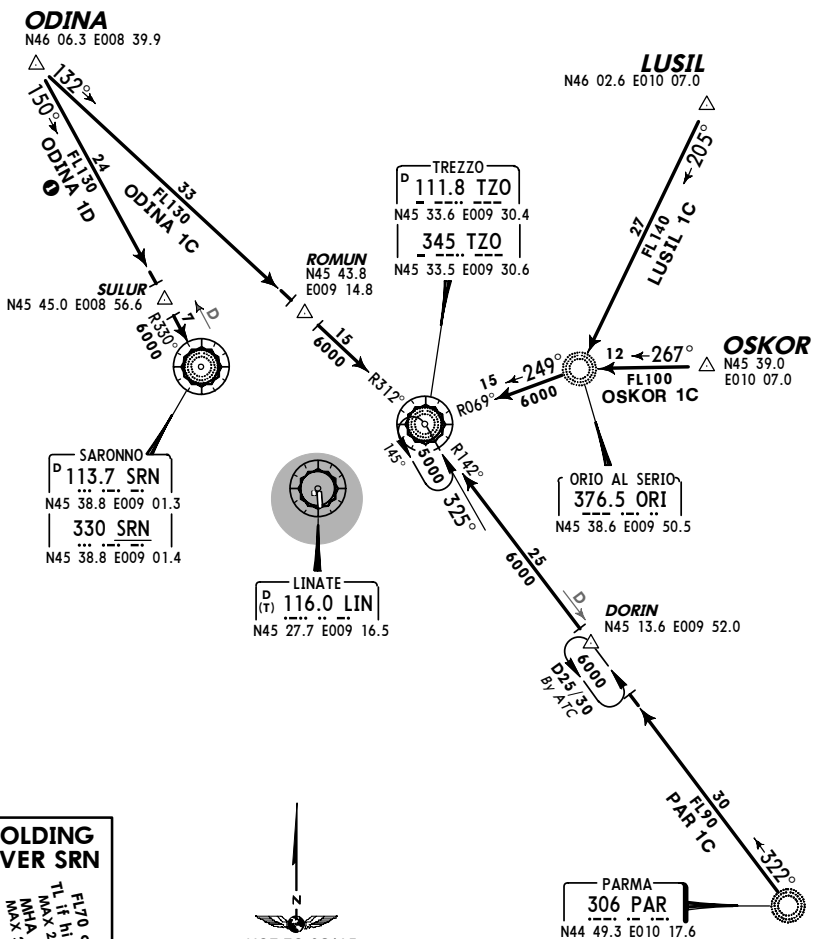
STAR

ATIS 135.55  
Apt Elev 353'  
Alt Set: hPa  
Trans level: By ATC Trans alt: 6000'



LUSIL 1C [LUSI1C]  
ODINA 1C [ODIN1C], ODINA 1D [ODIN1D] ●  
OSKOR 1C [OSKO1C], PAR 1C  
RWY 18 ARRIVALS  
B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL  
FROM NORTH & SOUTHEAST

1 By ATC



HOLDING  
OVER SRN



LIML/LIN  
LINATE

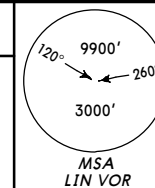
JEPPESEN

29 JUN 07 (20-2B) Eff 5 Jul

MILAN, ITALY

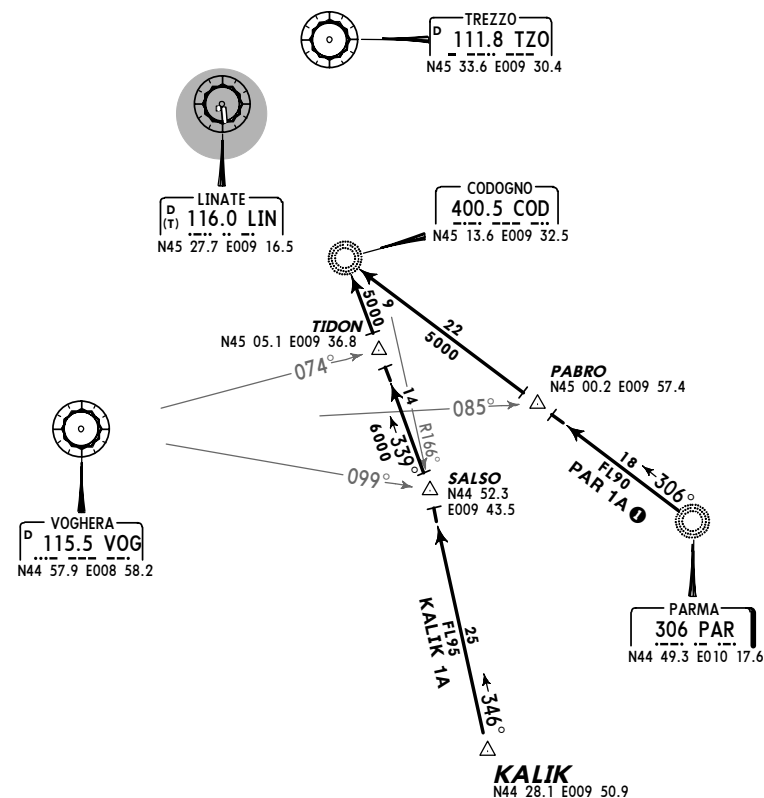
STAR

ATIS 135.55  
Apt Elev 353'  
Alt Set: hPa  
Trans level: By ATC Trans alt: 6000'

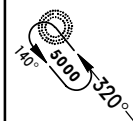


KALIK 1A [KALI1A], PAR 1A ●  
RWY 36 ARRIVALS  
B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL  
FROM SOUTHEAST

1 By ATC



HOLDING  
OVER COD



LIML/LIN  
LINATE

JEPPESEN

29 JUN 07 (20-2C)

Eff 5 Jul

MILAN, ITALY

STAR

ATIS  
135.55

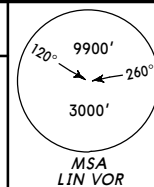
Apt Elev  
353'

Alt Set: hPa  
Trans level: By ATC Trans alt: 6000'

ASTIG 1D [AST11D], GEN 1D  
RWY 18 ARRIVALS

TOP 1W  
RWY 18 TRANSITION

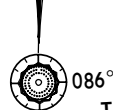
B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL  
FROM SOUTH & WEST



TORINO  
D 114.5 TOP  
N44 55.5 E007 51.7  
392.5 TOP  
N44 55.5 E007 51.6

SARONNO  
D 113.7 SRN  
N45 38.8 E009 01.3  
330 SRN  
N45 38.8 E009 01.4

LINATE  
D (T) 116.0 LIN  
N45 27.7 E009 16.5



D29/34  
VOG  
FL100  
ASTIG  
N44 56.5 E008 17.4

29  
FL90  
ASTIG 1D

VOGHERA  
D 115.5 VOG  
N44 57.9 E008 58.2  
333.5 VOG  
N44 57.8 E008 58.3

ML602  
N44 42.3 E009 01.6

GENOA  
D 112.8 GEN  
N44 25.5 E009 04.9  
318 GEN  
N44 25.4 E009 05.0

LIML/LIN  
LINATE

JEPPESEN

29 JUN 07 (20-2D)

Eff 5 Jul

MILAN, ITALY

STAR

ATIS  
135.55

Apt Elev  
353'

Alt Set: hPa  
Trans level: By ATC Trans alt: 6000'

AMOXI 2H [AMOX2H]  
RWY 36 ARRIVAL

B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL

GEN 1H, IDONA 2H [IDO2H]

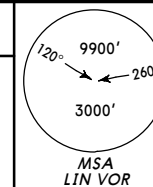
B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL

KALMO 1H [KAL1H]

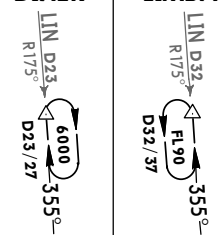
B-RNAV (P-RNAV RECOMMENDED)

RWY 36 TRANSITIONS

FROM SOUTH

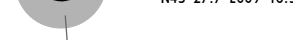


HOLDINGS OVER  
DIXER LIMBA



GENOA  
D 112.8 GEN  
N44 25.5 E009 04.9  
318 GEN  
N44 25.4 E009 05.0

LINATE  
D (T) 116.0 LIN  
N45 27.7 E009 16.5



R175, D23

DIXER  
N45 04.7 E009 19.0

D32, 6000

LIMBA  
N44 55.6 E009 20.0

FL90, 8

ML601  
N44 47.8 E009 20.4

AMOXI 2H  
N44 35.9 E009 22.0

D52, 12

AMOXI 1H  
N44 35.9 E009 22.0

FL100, 16

GEN 1H  
N44 25.5 E009 04.9

FL100, 16

IDONA 2H  
N43 59.1 E009 25.9

FL100, 37

KALMO 1H  
N44 19.3 E009 35.7

FL100, 37

KALMO 2H  
N44 19.3 E009 35.7

FL100, 37

IDONA 1H  
N43 59.1 E009 25.9

FL100, 37

IDONA 2H  
N43 59.1 E009 25.9

FL100, 37

LIML/LIN  
LINATE

JEPPESEN

29 JUN 07 (20-2E) Eff 5 Jul

MILAN, ITALY

STAR

ATIS  
135.55

Apt Elev  
353'

Alt Set: hPa  
Trans level: By ATC Trans alt: 6000'

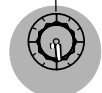
ASTIG 1J [AST11J], GEN 1J  
RWY 36 ARRIVALS

TOP 1W  
RWY 36 TRANSITION

B-RNAV (P-RNAV RECOMMENDED) OR CONVENTIONAL  
FROM SOUTH & WEST

By ATC

LINATE  
D (T) 116.0 LIN  
N45 27.7 E009 16.5



TORINO  
D 114.5 TOP  
N44 55.5 E007 51.7  
392.5 TOP  
N44 55.5 E007 51.6

VOGHERA  
D 115.5 VOG  
N44 57.9 E008 58.2  
333.5 VOG  
N44 57.8 E008 58.3

D29/34  
VOG  
FL100

ASTIG  
N44 56.5  
E008 17.4

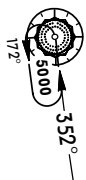
FL90  
ASTIG 1J

R266°

ML602  
N44 42.3 E009 01.6

GENOA  
D 112.8 GEN  
N44 25.5 E009 04.9  
318 GEN  
N44 25.4 E009 05.0

HOLDING  
OVER VOG



LIML/LIN  
LINATE

JEPPESEN

14 SEP 07 (20-3) Eff 27 Sep

MILAN, ITALY

SID

MILAN Departure (APP)  
126.75

Apt Elev  
353'

Trans level: By ATC Trans alt: 6000'  
SIDs are also noise abatement routings. Strict adherence  
within the limits of aircraft performance is necessary.

MAL 6C, TREVI 5D [TREV5D]

MAL 5D

BY ATC, TO BE USED WHEN LIN VOR/DME UNSERVICABLE

RWY 18 DEPARTURES

TO NORTH

FOR TRANSITIONS FROM MAL REFER TO CHART 20-3J  
FOR TRANSITIONS FROM TREVI REFER TO CHARTS 20-3F & 20-3G

SARONNO  
D 113.7 SRN  
N45 38.8 E009 01.3



**SPEED CONTROL PROCEDURE**  
MAX 250 KT below FL100 when under  
radar control. If unable to comply advise  
ATC when requesting start-up clearance.  
ATC removes limitations by the phrase:  
"NO ATC RESTRICTION ON SPEED".

TRIAL PROCEDURES

MALPENSA  
364 MAL  
N45 32.8 E008 45.4  
At or above  
FL80

LINATE  
D (T) 116.0 LIN  
N45 27.7 E009 16.5

D2.2 LIN  
(LIN R-175)

TREVI 5D

Turn at 840'  
but not before  
D2.2 LIN

TREVI  
N45 36.2 E009 41.7  
At or above  
FL95

D8 LIN

At or above  
3000'

At or above  
6000'



LINATE  
386 LIN  
N45 20.7 E009 17.3  
MAL 5D  
At or above  
2000'

TREVI 5D  
When leaving  
2000'

CODOGNO  
400.5 COD  
N45 13.6 E009 32.5  
At or above  
5000'

These SIDs require minimum climb gradients of

**MAL 6C, 5D**  
322' per NM (5.3%) until leaving 2500'.  
**TREVI 5D**  
395' per NM (6.5%) until D8 LIN.

Gnd speed-KT	75	100	150	200	250	300
322' per NM	403	537	805	1073	1342	1610
395' per NM	494	658	987	1317	1646	1975

SID	ROUTING
MAL 6C	Intercept LIN R-175 to D4 LIN, turn RIGHT, 244° track, when passing LIN R-214 turn RIGHT, intercept 312° bearing to MAL.
MAL 5D	Intercept 175° bearing to LIN Lctr, turn RIGHT, 244° track, intercept 312° bearing to MAL.
TREVI 5D	Climb on 175° track, at 840', but not before D2.2 LIN, turn LEFT, 110° track, intercept LIN R-140 to COD, turn LEFT, intercept ORI R-187 inbound to TREVI. Climb on 175° track, when leaving 2000', turn LEFT to COD.

ALTERNATE INITIAL CLIMB (when LIN VOR/DME unserviceable).

LIML/LIN  
LINATE

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14 SEP 07 (20-3A) Eff 27 Sep

MILAN, ITALY

SID

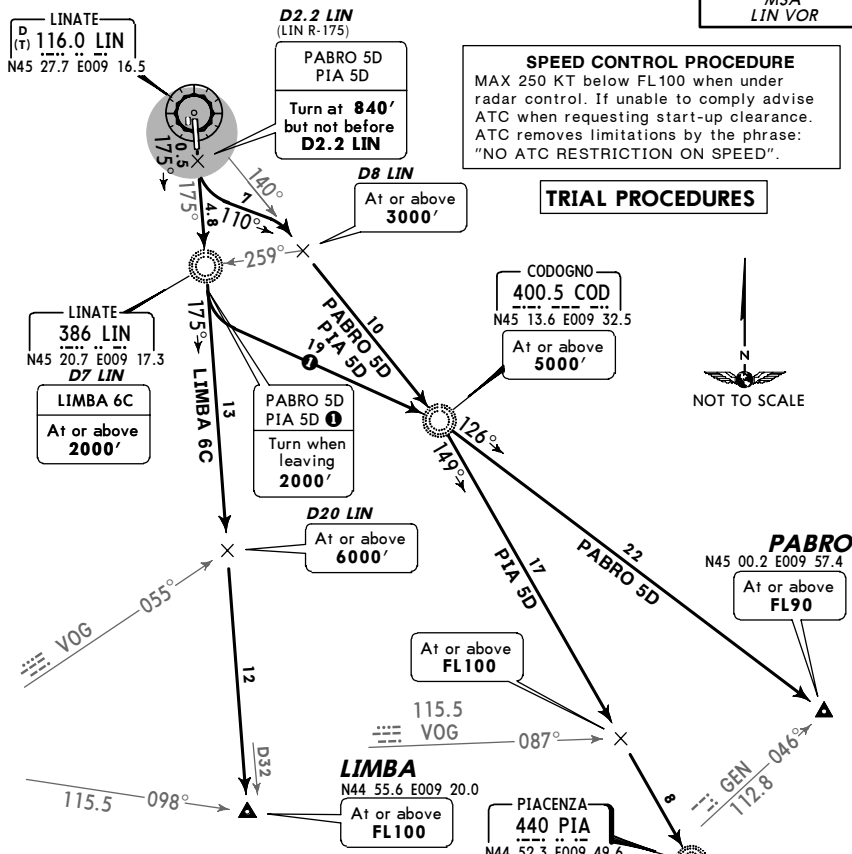
\*MILAN Departure (APP)  
126.3

Apt Elev  
353'

Trans level: By ATC Trans alt: 6000'  
SIDs are also noise abatement routings. Strict adherence  
within the limits of aircraft performance is necessary.

LIMBA 6C [LIMB6C], PABRO 5D [PABR5D], PIA 5D  
RWY 18 DEPARTURES  
TO SOUTH

FOR TRANSITIONS FROM LIMBA & PIA REFER TO CHART 20-3H  
FOR TRANSITION FROM PABRO REFER TO CHART 20-3G



These SIDs require minimum climb gradients of  
**LIMBA 6C**  
322' per NM (5.3%) until leaving 2500'.  
**PABRO 5D, PIA 5D**  
395' per NM (6.5%) until D8 LIN.

Gnd speed-KT	75	100	150	200	250	300
322' per NM	403	537	805	1073	1342	1610
395' per NM	494	658	987	1317	1646	1975

SID	ROUTING
LIMBA 6C	Intercept LIN R-175 to LIMBA. ① To LIN Lctr, 175° bearing to LIMBA.
PABRO 5D	Climb on 175° track, at 840', but not before D2.2 LIN, turn LEFT, 110° track, intercept LIN R-140 to COD, 126° bearing to PABRO. ① Climb on 175° track, when leaving 2000', turn LEFT to COD.
PIA 5D	Climb on 175° track, at 840', but not before D2.2 LIN, turn LEFT, 110° track, intercept LIN R-140 to COD, then to PIA. ① Climb on 175° track, when leaving 2000', turn LEFT to COD.

① ALTERNATE INITIAL CLIMB (when LIN VOR/DME unserviceable).

CHANGES: SIDs completely revised.

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LIML/LIN  
LINATE

JEPPESEN

14 SEP 07 (20-3B) Eff 27 Sep

MILAN, ITALY

SID

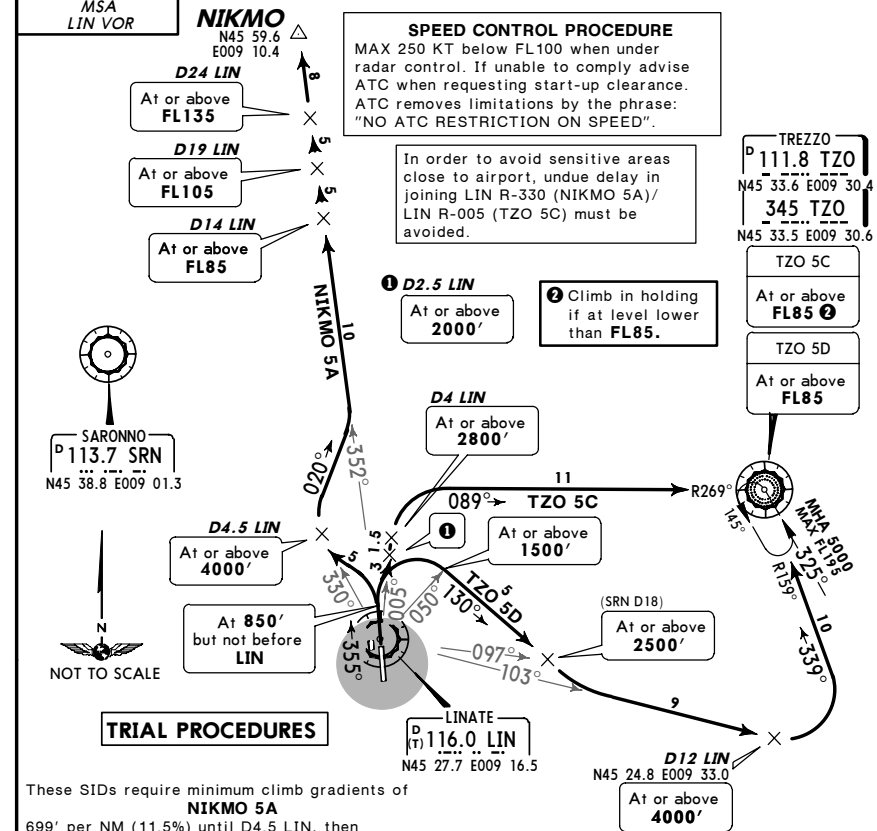
MILAN Departure (APP)  
126.75

Apt Elev  
353'

Trans level: By ATC Trans alt: 6000'  
SIDs are also noise abatement routings. Strict adherence  
within the limits of aircraft performance is necessary.

NIKMO 5A [NIKM5A], TZO 5C, TZO 5D  
RWY 36 DEPARTURES  
TO NORTH AND NORTHEAST

FOR TRANSITIONS FROM NIKMO REFER TO CHART 20-3F  
FOR TRANSITIONS FROM TZO REFER TO CHARTS 20-3F & 20-3G



These SIDs require minimum climb gradients of  
**NIKMO 5A**  
699' per NM (11.5%) until D4.5 LIN, then  
456' per NM (7.5%).  
If unable to comply advise ATC at start-up  
and request to be cleared on a TZO SID.

**TZO 5C**  
486' per NM (8%) until D4 LIN.  
**TZO 5D**  
456' per NM (7.5%) until passing LIN R-097, then  
334' per NM (5.5%).

Gnd speed-KT	75	100	150	200	250	300
699' per NM	873	1165	1747	2329	2912	3494
486' per NM	608	810	1215	1620	2025	2430
456' per NM	570	760	1139	1519	1899	2279
334' per NM	418	557	835	1114	1392	1671

**TZO 5D:** Execute initial turn with a bank angle not higher than 20°.

SID	ROUTING
NIKMO 5A	Climb on 355° track, at 850', but not before LIN, turn LEFT, intercept LIN R-330 to D4.5 LIN, turn RIGHT, 020° track, intercept LIN R-352 to NIKMO.
TZO 5C	Climb on 355° track, at 850', but not before LIN, turn RIGHT, intercept LIN R-005 to D4 LIN, turn RIGHT, intercept TZO R-269 inbound to TZO.
TZO 5D	Climb on 355° track, at 850', but not before LIN, turn RIGHT, 130° track, intercept LIN R-103 to D12 LIN, turn LEFT, intercept TZO R-159 inbound to TZO.

③ Only by ATC, in case of unavailability of the airspace north of the aerodrome for restrictions or very bad weather.

CHANGES: SIDs completely revised & transferred.

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LIML/LIN  
LINATE

JEPPESEN

14 SEP 07 (20-3C) Eff 27 Sep

MILAN, ITALY

SID

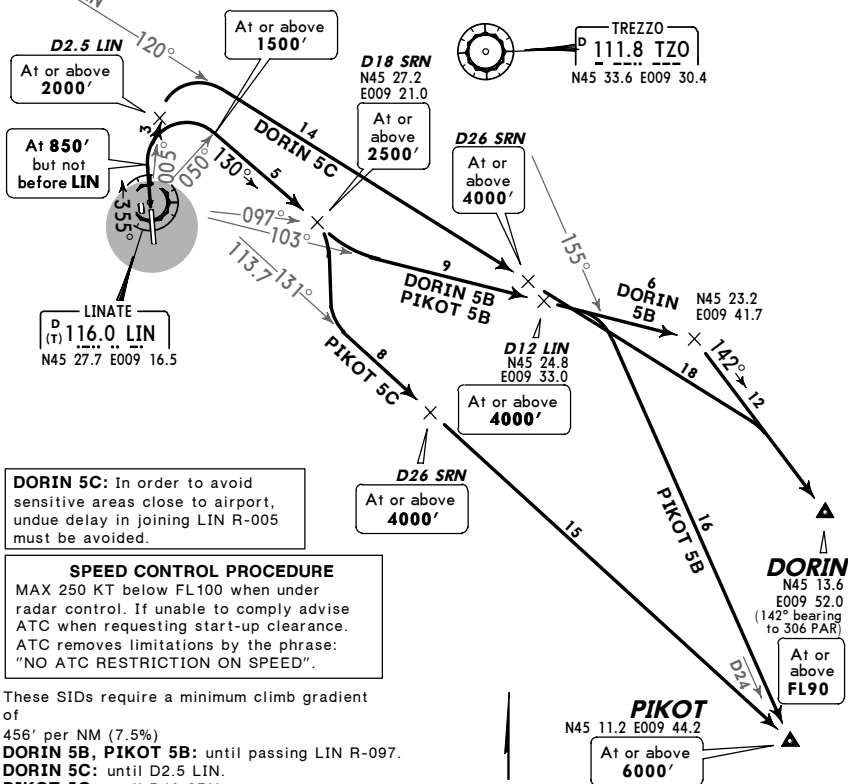
\*MILAN Departure (APP) **126.3** **Apt Elev 353'**  
Trans level: By ATC Trans alt: 6000'  
SIDs are also noise abatement routings. Strict adherence within the limits of aircraft performance is necessary.

**DORIN 5B [DOR15B], PIKOT 5B [PIKO5B]**  
BY ATC, TO BE USED WHEN SRN VOR UNSERVICABLE  
**DORIN 5C [DOR15C], PIKOT 5C [PIKO5C]**

**RWY 36 DEPARTURES**  
TO SOUTH

FOR TRANSITION FROM DORIN REFER TO CHART 20-3G  
FOR TRANSITIONS FROM PIKOT REFER TO CHART 20-3H

**TRIAL PROCEDURES**



**DORIN 5C:** In order to avoid sensitive areas close to airport, undue delay in joining LIN R-005 must be avoided.

**SPEED CONTROL PROCEDURE**  
MAX 250 KT below FL100 when under radar control. If unable to comply advise ATC when requesting start-up clearance. ATC removes limitations by the phrase: "NO ATC RESTRICTION ON SPEED".

These SIDs require a minimum climb gradient of 456' per NM (7.5%)  
**DORIN 5B, PIKOT 5B:** until passing LIN R-097.  
**DORIN 5C:** until D2.5 LIN.  
**PIKOT 5C:** until D18 SRN.

Gnd speed-KT	75	100	150	200	250	300
456' per NM	570	760	1139	1519	1899	2279

**DORIN 5B, PIKOT 5B, 5C:** Execute initial turn with a bank angle not higher than 20°.

SID	ROUTING
<b>DORIN 5B</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn RIGHT, 130° track, intercept LIN R-103, intercept 142° bearing towards PAR to DORIN.
<b>DORIN 5C</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn RIGHT, intercept LIN R-005 to D2.5 LIN, turn RIGHT, intercept SRN R-120, intercept 142° bearing towards PAR to DORIN.
<b>PIKOT 5B</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn RIGHT, 130° track, intercept LIN R-103 to D12 LIN, turn RIGHT, intercept TZO R-155 to PIKOT.
<b>PIKOT 5C</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn RIGHT, 130° track to D18 SRN, turn RIGHT, intercept SRN R-131 to PIKOT.

CHANGES: SIDs completely revised & transferred.

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LIML/LIN  
LINATE

JEPPESEN

14 SEP 07 (20-3D) Eff 27 Sep

MILAN, ITALY

SID

MILAN Departure (APP) **126.75** **Apt Elev 353'**  
Trans level: By ATC Trans alt: 6000'  
SIDs are also noise abatement routings. Strict adherence within the limits of aircraft performance is necessary.

**SRN 6A, SRN 5D**  
BY ATC, ALTERNATE FOR SID SRN 5C

**SRN 5C**

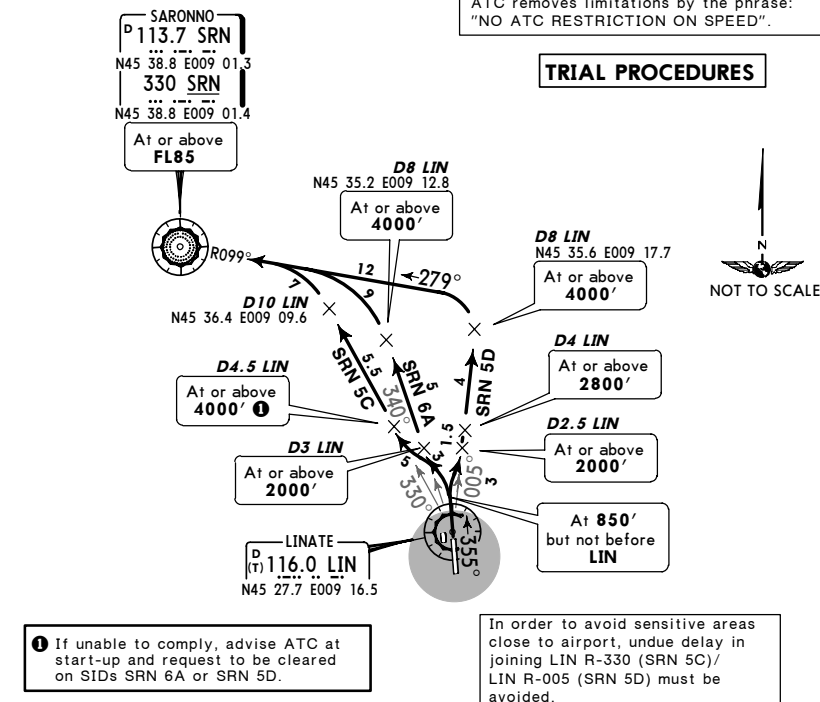
**RWY 36 DEPARTURES**  
TO NORTHWEST

FOR TRANSITIONS FROM SRN REFER TO CHART 20-3J

**SPEED CONTROL PROCEDURE**

MAX 250 KT below FL100 when under radar control. If unable to comply advise ATC when requesting start-up clearance. ATC removes limitations by the phrase: "NO ATC RESTRICTION ON SPEED".

**TRIAL PROCEDURES**



**1** If unable to comply, advise ATC at start-up and request to be cleared on SIDs SRN 6A or SRN 5D.

In order to avoid sensitive areas close to airport, undue delay in joining LIN R-330 (SRN 5C)/LIN R-005 (SRN 5D) must be avoided.

These SIDs require minimum climb gradients of

**SRN 6A**  
456' per NM (7.5%) until SRN.  
**SRN 5C**  
699' per NM (11.5%) until D4.5 LIN, then 383' per NM (6.3%).  
**SRN 5D**  
486' per NM (8%) until D4 LIN, then 334' per NM (5.5%).

Gnd speed-KT	75	100	150	200	250	300
699' per NM	873	1165	1747	2329	2912	3494
486' per NM	608	810	1215	1620	2025	2430
456' per NM	570	760	1139	1519	1899	2279
383' per NM	479	638	957	1276	1595	1914
334' per NM	418	557	835	1114	1392	1671

SID	ROUTING
<b>SRN 6A</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn LEFT, intercept LIN R-340 to D8 LIN, turn LEFT, intercept SRN R-099 inbound to SRN.
<b>SRN 5C</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn LEFT, intercept LIN R-330 to D10 LIN, turn LEFT, intercept SRN R-099 inbound to SRN.
<b>SRN 5D</b>	Climb on 355° track, at <b>850'</b> , but not before LIN, turn RIGHT, intercept LIN R-005 to D8 LIN, turn LEFT, intercept SRN R-099 inbound to SRN.

CHANGES: SIDs completely revised & trans; transitions transf.

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LIML/LIN  
LINATE

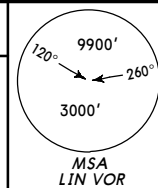
JEPPESEN

14 SEP 07 (20-3F) Eff 27 Sep

MILAN, ITALY

TRANSITION

MILAN Departure (APP) 126.75  
Apt Elev 353'  
Trans level: By ATC Trans alt: 6000'



ABESI 7A [ABE7A], ABESI 7B [ABE7B]  
ABESI 7C [ABE7C], CANNE 7A [CAN7A]  
CANNE 7B [CAN7B], CANNE 7C [CAN7C]  
RWYS 36, 18 TRANSITIONS  
TO NORTH  
FROM NIKMO, TREVI & TZO

**CANNE**  
N46 10.0 E008 52.9  
At or above  
FL140/FL150  
depending on  
Zurich QNH

**ABESI**  
N46 09.6 E009 02.6  
At or above  
FL140/FL150  
depending on  
Zurich QNH

**SPEED CONTROL PROCEDURE**  
MAX 250 KT below FL100 when under  
radar control. If unable to comply advise  
ATC when requesting start-up clearance.  
ATC removes limitations by the phrase:  
"NO ATC RESTRICTION ON SPEED".

① TRIAL PROCEDURE



LINATE  
D (T) 116.0 LIN  
N45 27.7 E009 16.5

**ADARI**  
N45 50.7 E009 25.2  
At or above  
FL140

ORIO AL SERIO  
D (T) 112.6 ORI  
N45 40.2 E009 42.4  
At or above  
FL105

**D5 ORI**  
At or above  
FL125

**BERGA**  
N45 38.9 E009 37.2

**ABESI 7C**  
**CANNE 7C**

**TREVI**  
N45 36.2 E009 41.7

**ABESI 7A**  
**CANNE 7A**

**TREZZO**  
D 111.8 TZO  
N45 33.6 E009 30.4  
345 TZO  
N45 33.5 E009 30.6

TRANSITION	RWY	ROUTING
ABESI 7A	36	At TZO proceed to BERGA, turn LEFT, intercept ORI R-310 via ADARI to NIKMO, turn RIGHT, intercept TZO R-331 to ABESI.
ABESI 7B		At NIKMO proceed to ABESI.
ABESI 7C	18	At TREVI proceed to ORI, turn LEFT, ORI R-310 via ADARI to NIKMO, turn RIGHT, intercept TZO R-331 to ABESI.
CANNE 7A	36	At TZO proceed to BERGA, turn LEFT, intercept ORI R-310 via ADARI and NIKMO to CANNE.
CANNE 7B		At NIKMO proceed to CANNE.
CANNE 7C	18	At TREVI proceed to ORI, turn LEFT, ORI R-310 via ADARI and NIKMO to CANNE.

CHANGES: Transitions from NIKMO established; chart reindexed. © JEPPESEN SANDERSON, INC., 2006, 2007. ALL RIGHTS RESERVED.

LIML/LIN  
LINATE

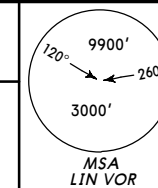
JEPPESEN

14 SEP 07 (20-3G) Eff 27 Sep

MILAN, ITALY

TRANSITION

MILAN Departure (APP) 126.75  
North South \*126.3  
Apt Elev 353'  
Trans level: By ATC Trans alt: 6000'



OSKOR 9A [OSK9A], OSKOR 9C [OSK9C]  
PAR 8A, PAR 8C  
RWYS 36, 18 TRANSITIONS  
TO EAST & SOUTHEAST  
FROM DORIN, PABRO, TREVI & TZO

ORIO AL SERIO  
376.5 ORI  
N45 38.6 E009 50.5  
OSKOR 9A  
At or above  
FL95

**OSKOR**  
N45 39.0 E010 07.0  
At or above  
FL125  
(FL110 if  
proceeding  
via airway B 4)

OSKOR 9C  
069°15  
OSKOR 9A  
N45 36.2 E009 41.7  
TREVI  
N45 36.2 E009 41.7  
B 4  
087°

LINATE  
D (T) 116.0 LIN  
N45 27.7 E009 16.5

TREZZO  
D 111.8 TZO  
N45 33.6 E009 30.4  
345 TZO  
N45 33.5 E009 30.6



**DORIN**  
N45 13.6 E009 52.0

**PABRO**  
N45 00.2 E009 57.4

**PARMA**  
306 PAR  
N44 49.3 E010 17.6

**SPEED CONTROL PROCEDURE**  
MAX 250 KT below FL100  
when under radar control.  
If unable to comply advise  
ATC when requesting start-up  
clearance. ATC removes  
limitations by the phrase:  
"NO ATC RESTRICTION  
ON SPEED".

TRANSITION	RWY	ROUTING
OSKOR 9A	36	At TZO proceed to ORI, then to OSKOR.
OSKOR 9C	18	At TREVI turn RIGHT to ORI, then to OSKOR.
PAR 8A	36	At DORIN proceed to PAR.
PAR 8C	18	At PABRO proceed to PAR.

CHANGES: Chart reindexed.

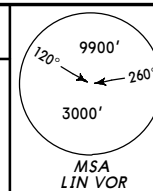
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# LIML/LIN LINATE

JEPPESEN  
14 SEP 07 (20-3H) Eff 27 Sep

MILAN, ITALY  
TRANSITION

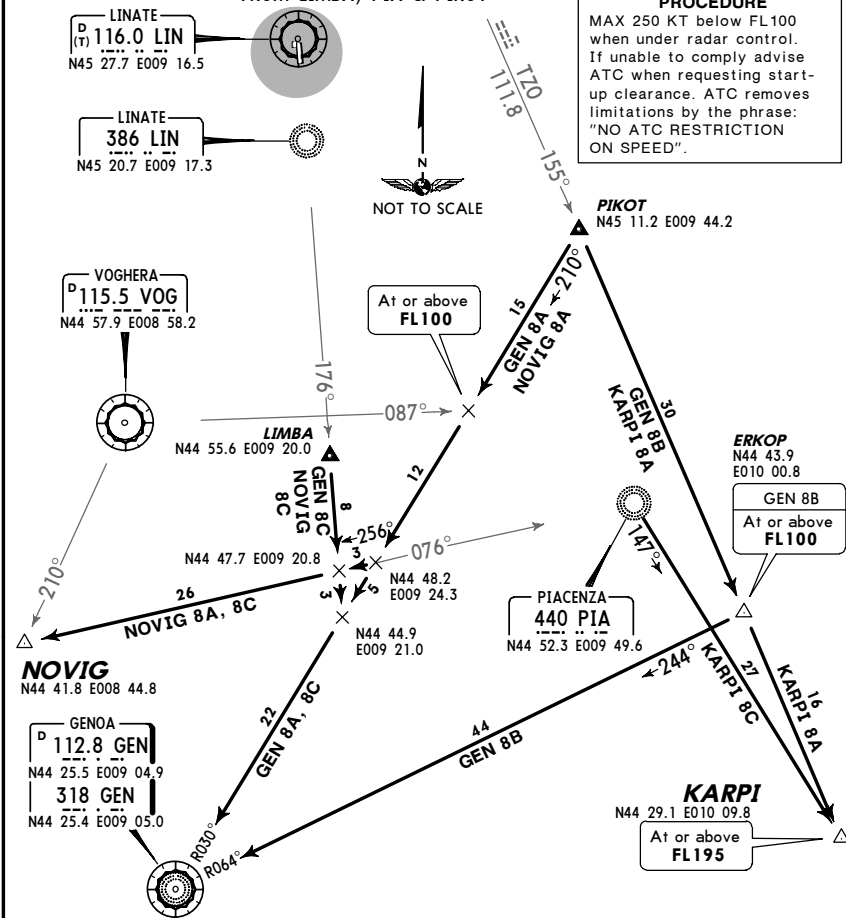
\*MILAN Departure (APP) 126.3  
Apt Elev 353'  
Trans level: By ATC Trans alt: 6000'



GEN 8A, GEN 8B, GEN 8C  
KARPI 8A [KAR8A], KARPI 8C [KAR8C]  
NOVIG 8A [NOV8A], NOVIG 8C [NOV8C]  
RWYS 36, 18 TRANSITIONS  
TO SOUTH  
FROM LIMBA, PIA & PIKOT

## SPEED CONTROL PROCEDURE

MAX 250 KT below FL100  
when under radar control.  
If unable to comply advise  
ATC when requesting start-up  
clearance. ATC removes  
limitations by the phrase:  
"NO ATC RESTRICTION  
ON SPEED".



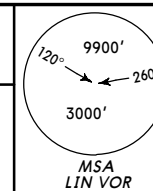
TRANSITION	RWY	ROUTING
GEN 8A	36	At PIKOT proceed to GEN.
GEN 8B		At PIKOT proceed to ERKOP, then to GEN.
GEN 8C	18	At LIMBA intercept LIN R-176 (176° bearing from LIN Lctr), intercept GEN R-030 inbound to GEN.
KARPI 8A	36	At PIKOT proceed to KARPI.
KARPI 8C	18	At PIA proceed to KARPI.
NOVIG 8A	36	At PIKOT turn RIGHT, intercept GEN R-030 inbound, intercept 256° bearing from PIA to NOVIG.
NOVIG 8C	18	At LIMBA intercept LIN R-176 (176° bearing from LIN Lctr), intercept 256° bearing from PIA to NOVIG.

# LIML/LIN LINATE

JEPPESEN  
14 SEP 07 (20-3J) Eff 27 Sep

MILAN, ITALY  
TRANSITION

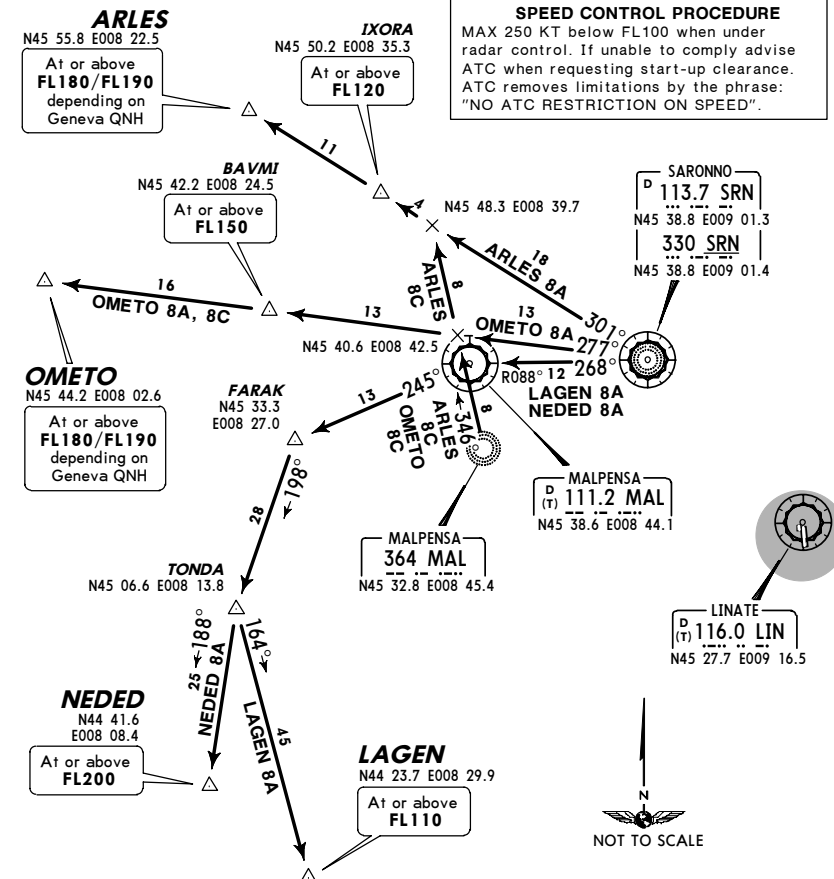
MILAN Departure (APP) North 126.75 South \*126.3  
Apt Elev 353'  
Trans level: By ATC Trans alt: 6000'



ARLES 8A [ARL8A], ARLES 8C [ARL8C]  
LAGEN 8A [LAG8A], NEDED 8A [NED8A]  
OMETO 8A [OME8A], OMETO 8C [OME8C]  
RWYS 36, 18 TRANSITIONS  
TO SOUTHWEST, WEST & NORTHWEST  
FROM MAL LCTR & SRN

## SPEED CONTROL PROCEDURE

MAX 250 KT below FL100 when under  
radar control. If unable to comply advise  
ATC when requesting start-up clearance.  
ATC removes limitations by the phrase:  
"NO ATC RESTRICTION ON SPEED".



TRANSITION	RWY	ROUTING
ARLES 8A	36	At SRN proceed via IXORA to ARLES.
ARLES 8C	18	At MAL on 346° bearing, intercept SRN R-301 via IXORA to ARLES.
LAGEN 8A	36	At SRN proceed to MAL VORDME, then to FARAK, then to TONDA, then to LAGEN.
NEDED 8A		At SRN proceed to MAL VORDME, then to FARAK, then to TONDA, then to NEDED.
OMETO 8A		At SRN proceed via BAVMI to OMETO.
OMETO 8C	18	At MAL on 346° bearing, intercept SRN R-277 via BAVMI to OMETO.

**JEPPESEN**

**MILAN, ITALY**

29 JUN 07 (20-9) Eff 5 Jul

LINATE




LIML/LIN



MILAN, ITALY

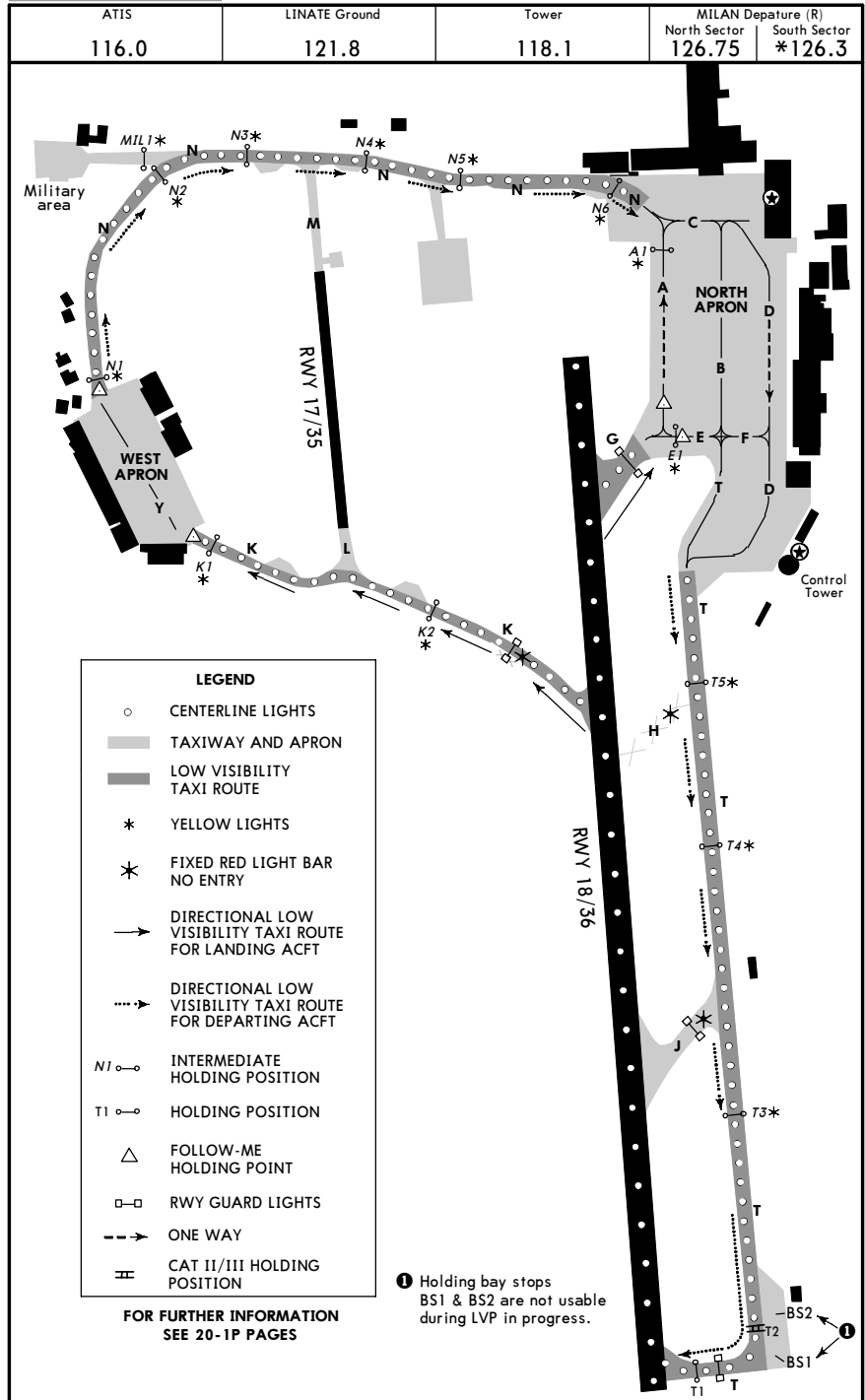
29 JUN 07 (20-9A) Eff 5 Jul

LINATE

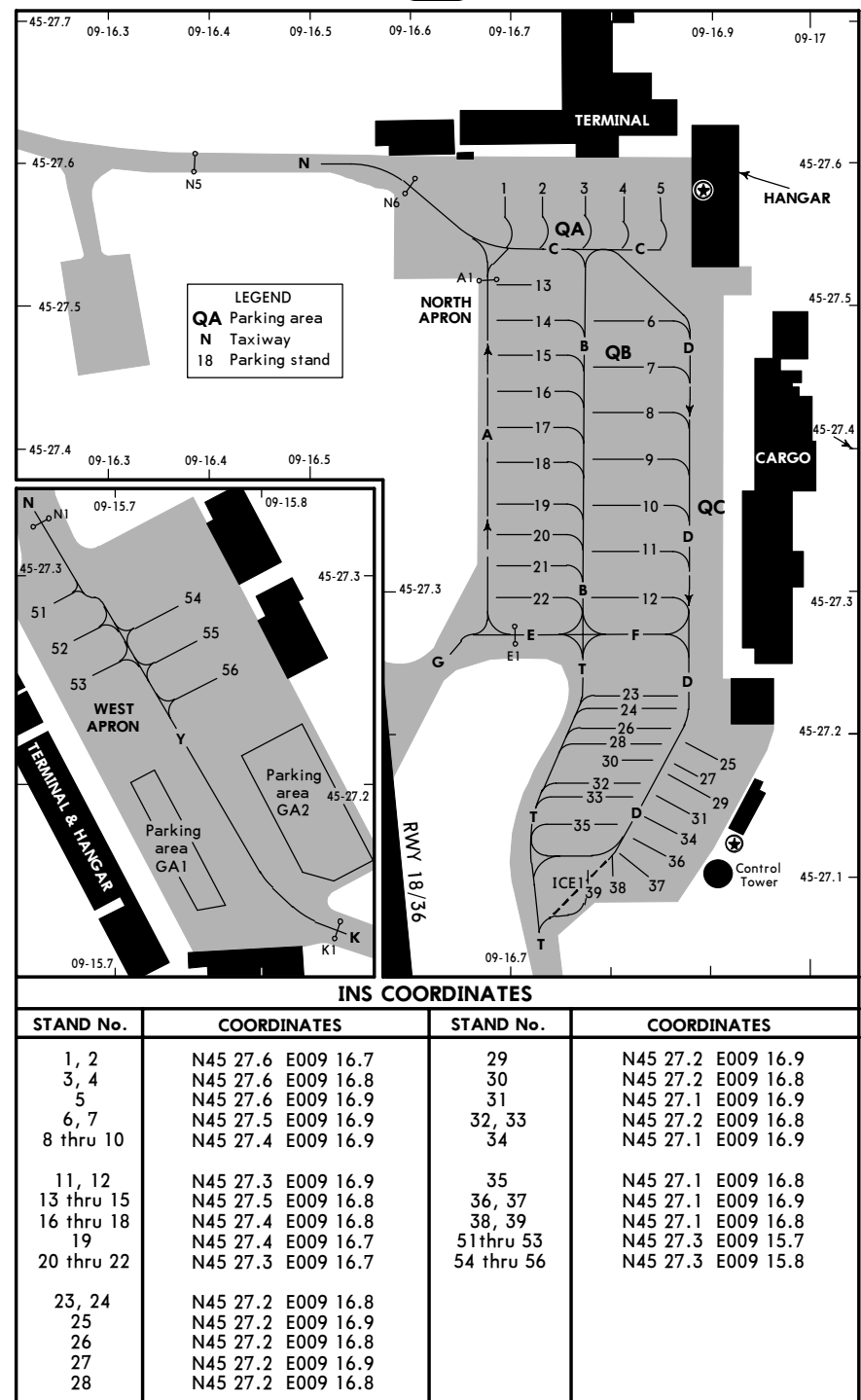


**1** Operators applying U.S. Ops Specs: CL required below 300m; approved guidance system required below 150m.

LIML/LIN MILAN, ITALY  
LINATE  
RVR 550m or Less 29 JUN 07 (20-9B) LOW VISIBILITY TAXI ROUTES



LIML/LIN MILAN, ITALY  
LINATE  
29 JUN 07 (20-9C) Eff 5 Jul



LIML/LIN

JEPPesen

27 OCT 06 (20-9D)

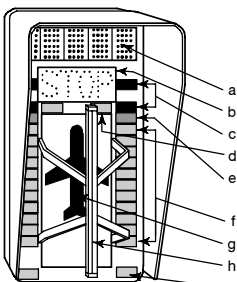
MILAN, ITALY

LINATE

## VISUAL DOCKING GUIDANCE SYSTEM (SAFEGATE)

### A. SYSTEM DESCRIPTION

The system consists of a display unit in front of the parking position and a number of sensors in the apron surface. On the display the left-hand pilot gets the correct alignment as well as the closing-rate and stop information.



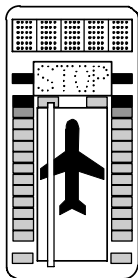
- Display indicating: Aircraft type. OK. TOO FAR. STOP SHORT.
- Display for STOP command.
- Two pairs of red lights = STOP position reached.
- Pair of green lights indicating the stop position reference.
- Pair of yellow lights indicating the aircraft is 10'/3m before the STOP position.
- 11 pairs of green closing-rate information lights.
- Aircraft symbol.
- Centerline bar.
- Pair of green lights = Gate ready for parking.

### B. ACTIVATED SYSTEM

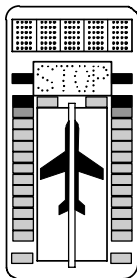
- The system is ready for use when:
  - the bottom pair of green lights are blinking
  - the aircraft type is shown (blinking) on the upper information block
  - the stopbarlights are shown
- The pilot should be aware that the correct type of aircraft is shown before using the system.

### C. CENTERLINE GUIDANCE

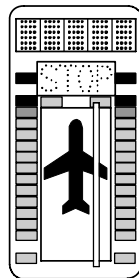
Centerline guidance is obtained by means of an illuminated bar in front of an aircraft symbol. The aircraft is on centerline when bar and symbol overlap each other.



TURN LEFT



ON CENTERLINE



TURN RIGHT

LIML/LIN

JEPPesen

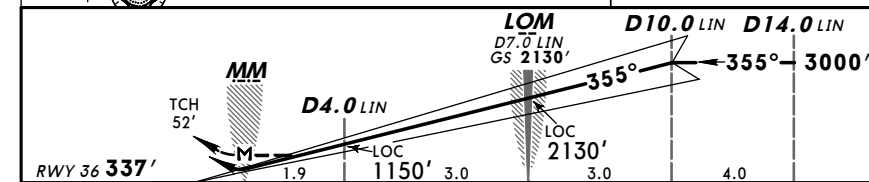
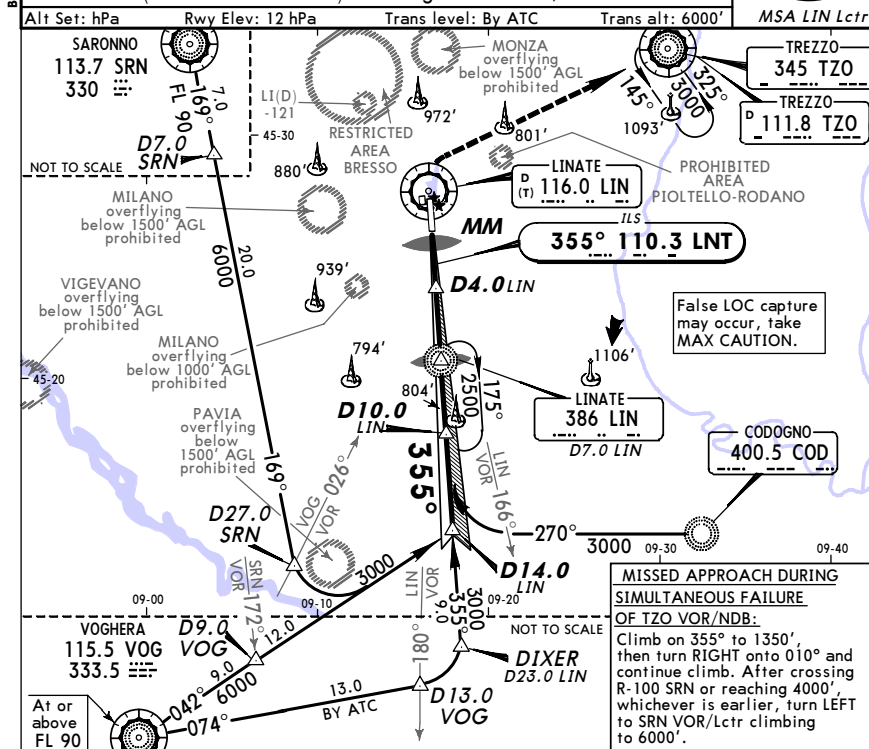
29 JUN 07 (21-1) Eff 5 Jul

MILAN, ITALY

ILS Rwy 36

ATIS	135.55	*MILAN Arrival (R)	132.7	LINATE Tower	118.1	Ground	121.8
LOC LNT	110.3	Final Apch Crs	355°	GS LOM	2130' (1793')	ILS DA(H)	537' (200')
						Apt Elev	353'
						RWY	337'

**MISSED APCH:** Proceed on track 355° climbing to 3000', passing 1000' turn RIGHT (not before LIN VOR) climbing to TZO VOR/NDB.



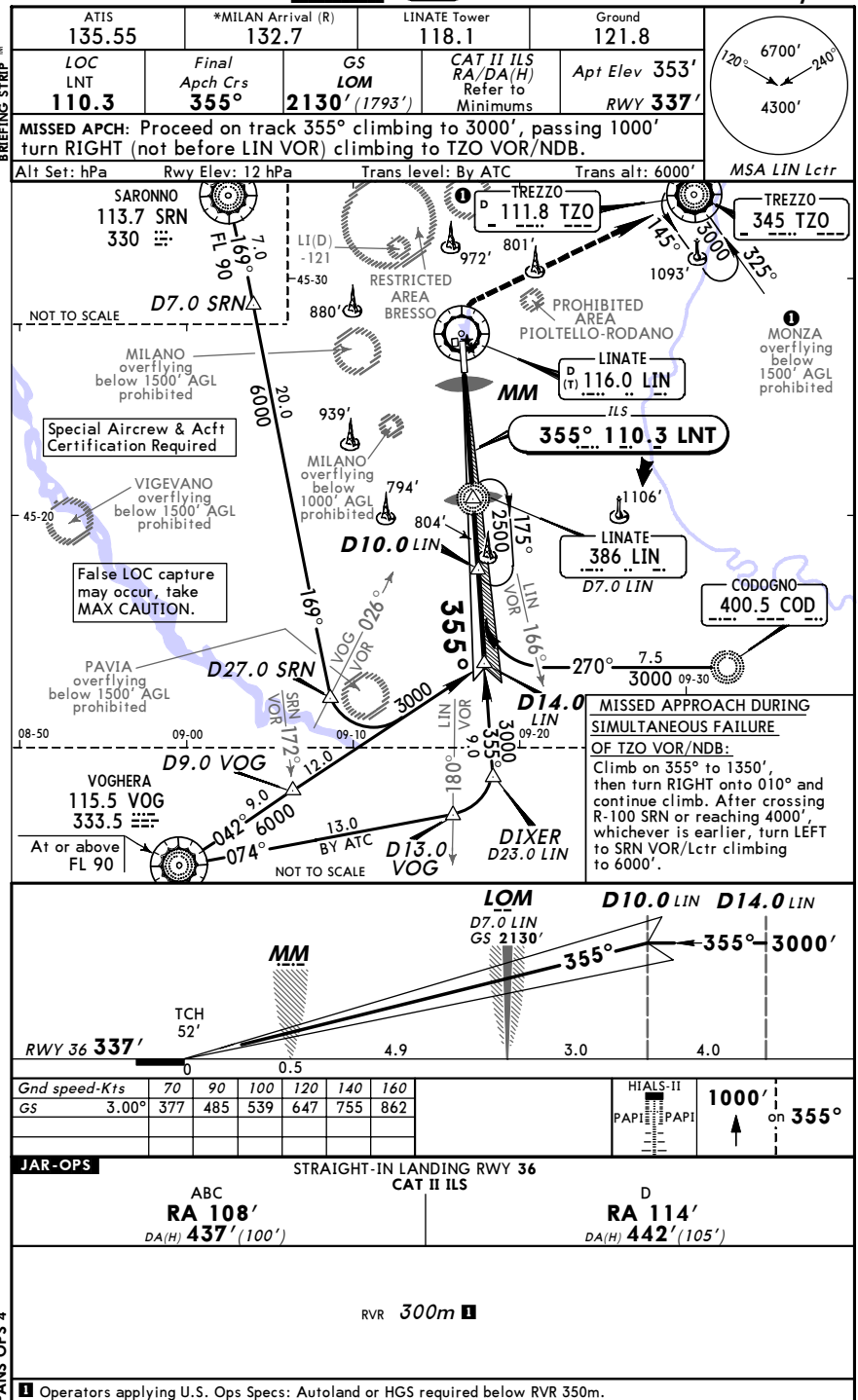
Gnd speed-Kts	70	90	100	120	140	160			
ILS GS 3.00° or									
LOC Descent Gradient	5.2%	377	485	539	647	755	862		
MAP at MM									

JAR-OPS			STRAIGHT-IN LANDING RWY 36				CIRCLE-TO-LAND	
ILS			LOC (GS out)				Not authorized	
DA(H) 537' (200')			MDA(H) 760' (423')				West of runway	
FULL		ALS out	MM out		ALS out	Max Kts.	MDA(H) _____ VLS _____	
A	RVR 550m	RVR 1000m	RVR 900m	NOT AUTH	RVR 1500m	100	850' (497') 1500m	
B			RVR 1000m		135	900' (547') 1600m		
C			RVR 1400m		180	1200' (847') 2400m		
D			RVR 2000m		205	1200' (847') 3600m		

LIML/LIN  
LINATE

JEPPesen  
29 JUN 07  
Eff 5 Jul (21-1A)

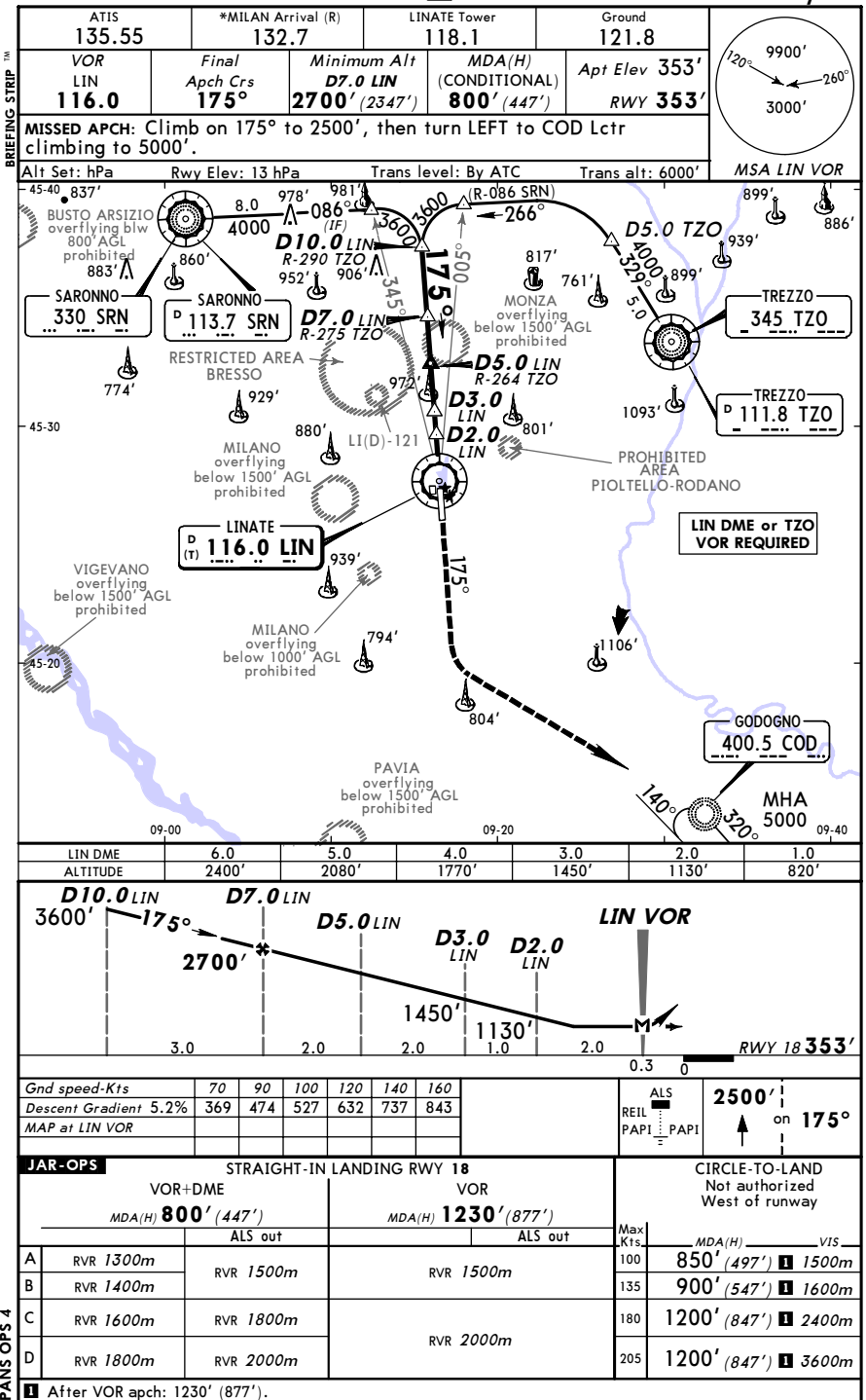
MILAN, ITALY  
CAT II ILS Rwy 36



LIML/LIN  
LINATE

JEPPesen  
29 JUN 07  
Eff 5 Jul (23-1)

MILAN, ITALY  
VOR Rwy 18

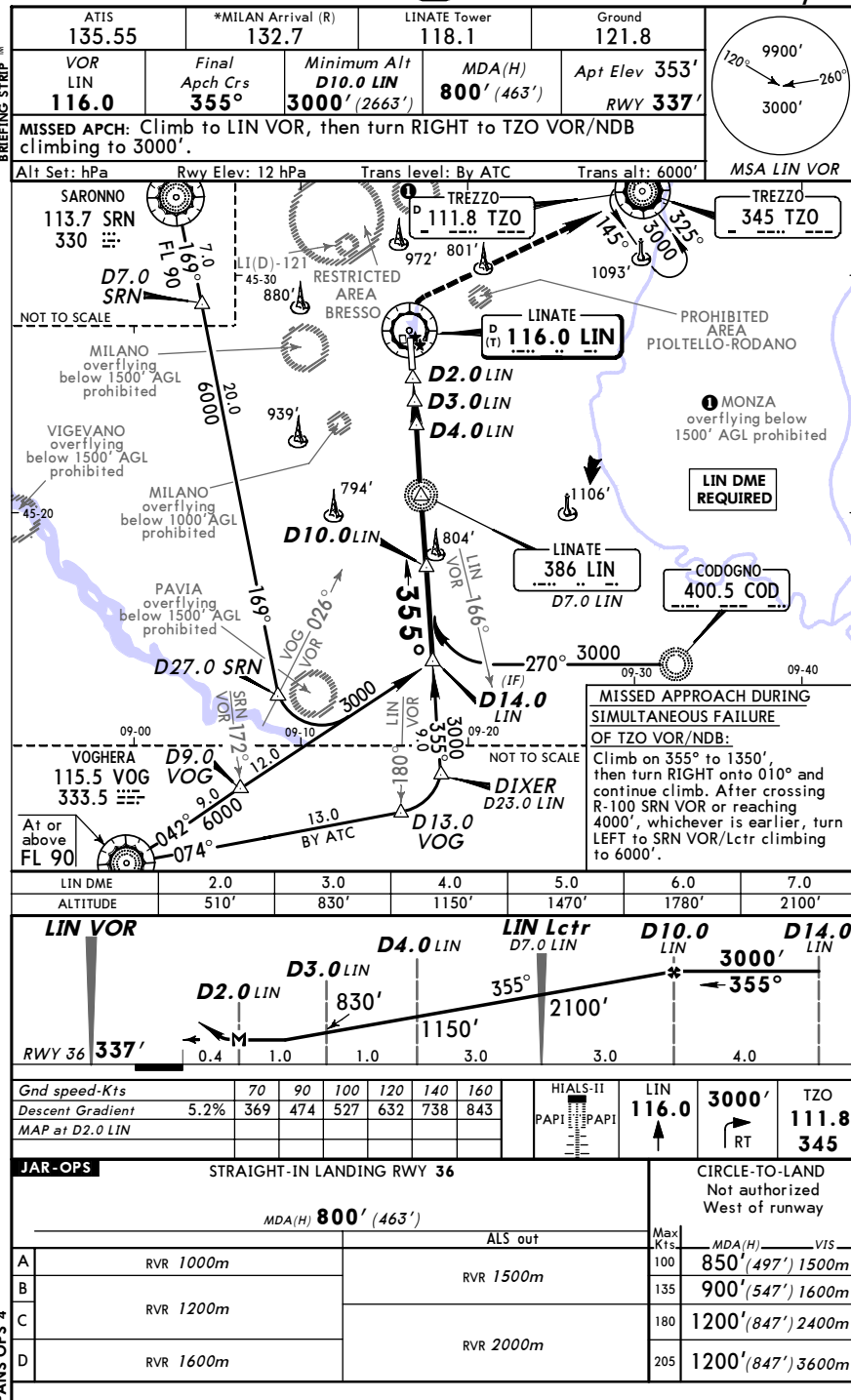




LIML/LIN  
LINATE

JEPPESEN  
29 JUN 07 (23-2) Eff 5 Jul

MILAN, ITALY  
VOR Rwy 36



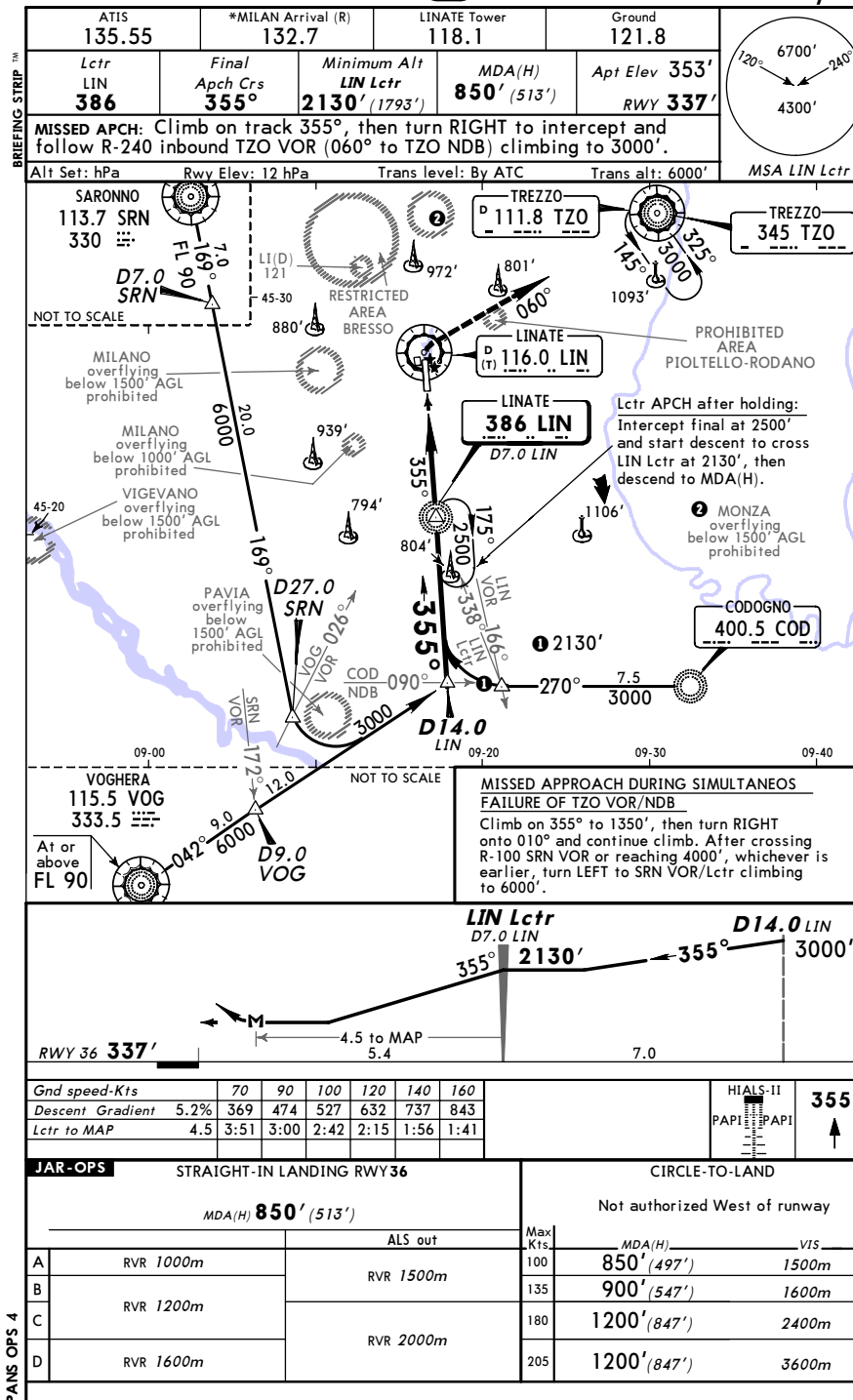
CHANGES: Procedure. Rwy designation.

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LIML/LIN  
LINATE

JEPPESEN  
29 JUN 07 (26-1) Eff 5 Jul

MILAN, ITALY  
LOCATOR Rwy 36



CHANGES: Rwy designation. Bearings.

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