

VCBI/CMB

JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

15 JUL 16

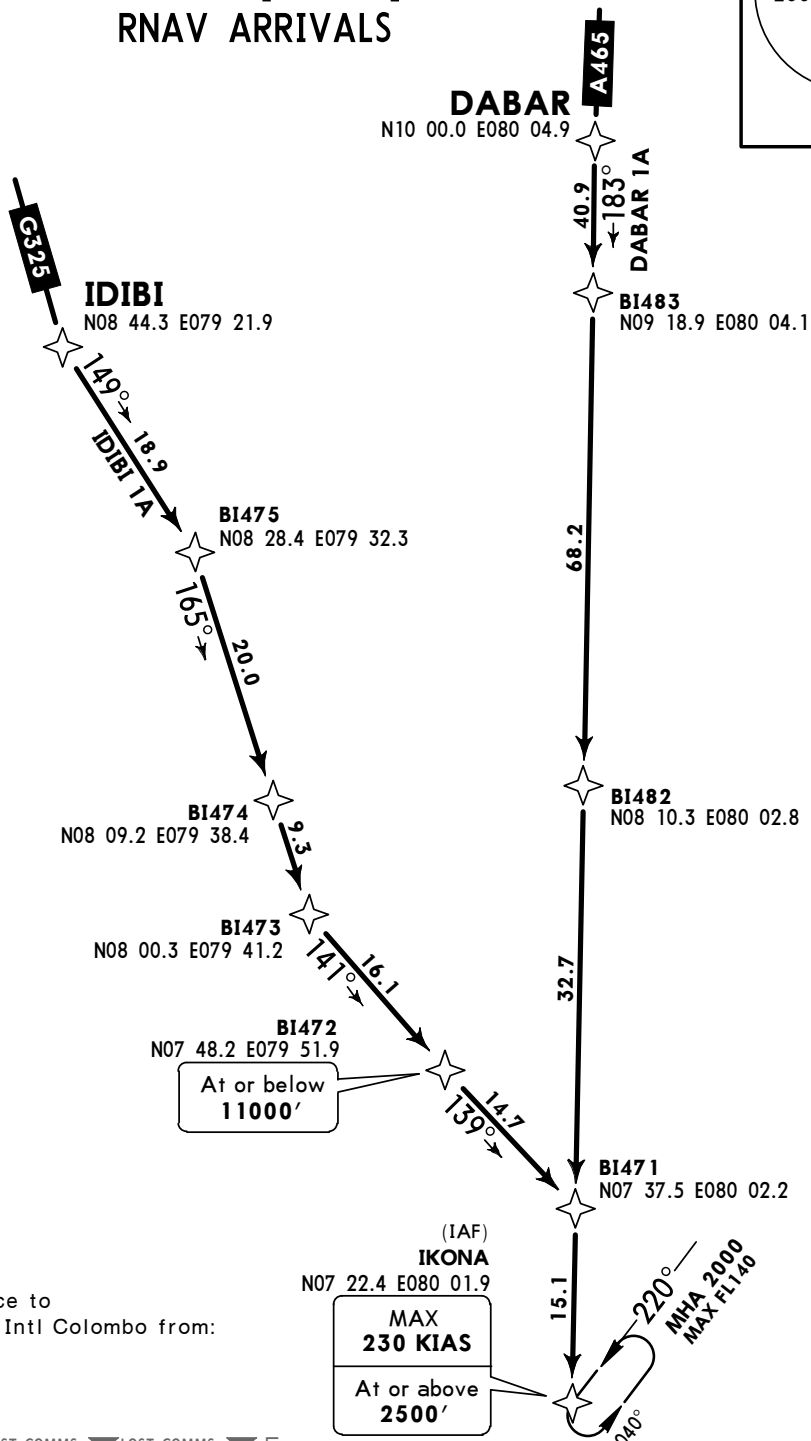
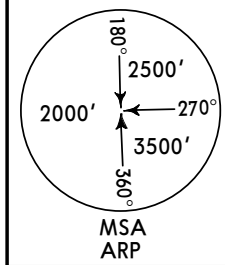
10-2

Eff 21 Jul

RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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DABAR 1A [DABA1A]
IDIBI 1A [IDIB1A]
RNAV ARRIVALS



Direct distance to
Bandaranaike Intl Colombo from:
IKONA 14NM

LOST COMMS
Continue on the cleared STAR to
IAF, join ILS Z RWY22 and land.
LOST COMMS

STAR	RWY	ROUTING
DABAR 1A	22	To BI483, to BI482, to BI471, to IKONA.
IDIBI 1A		To BI475, to BI474, to BI473, to BI472, to BI471, to IKONA.

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JEPPesen KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

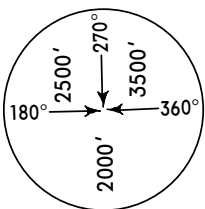
15 JUL 16

10-2A

Eff 21 Jul

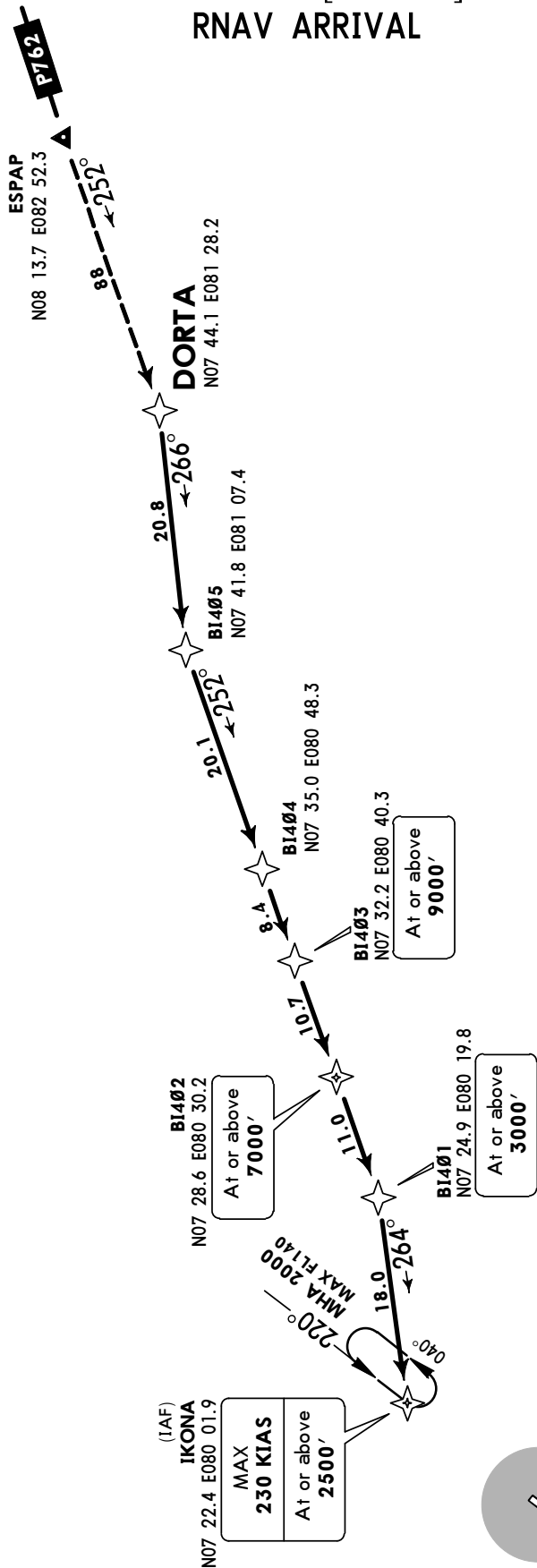
RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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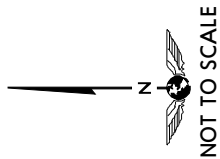


DORTA 1A [DORT1A] RNAV ARRIVAL

LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼
 Continue on the cleared STAR to IAF, join ILS Z RWY22 and land.
 ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼



Direct distance to
Bandaranaike Intl Colombo from:
IKONA 14NM



ROUTING	
RWY	22
To BI405, to BI404, to BI403, to BI402, to BI401, to IKONA.	

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BANDARANAIKE INTL COLOMBO

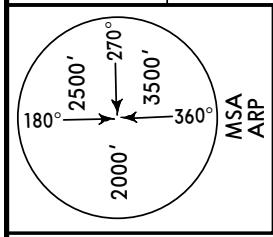
15 JUL 16

10-2B

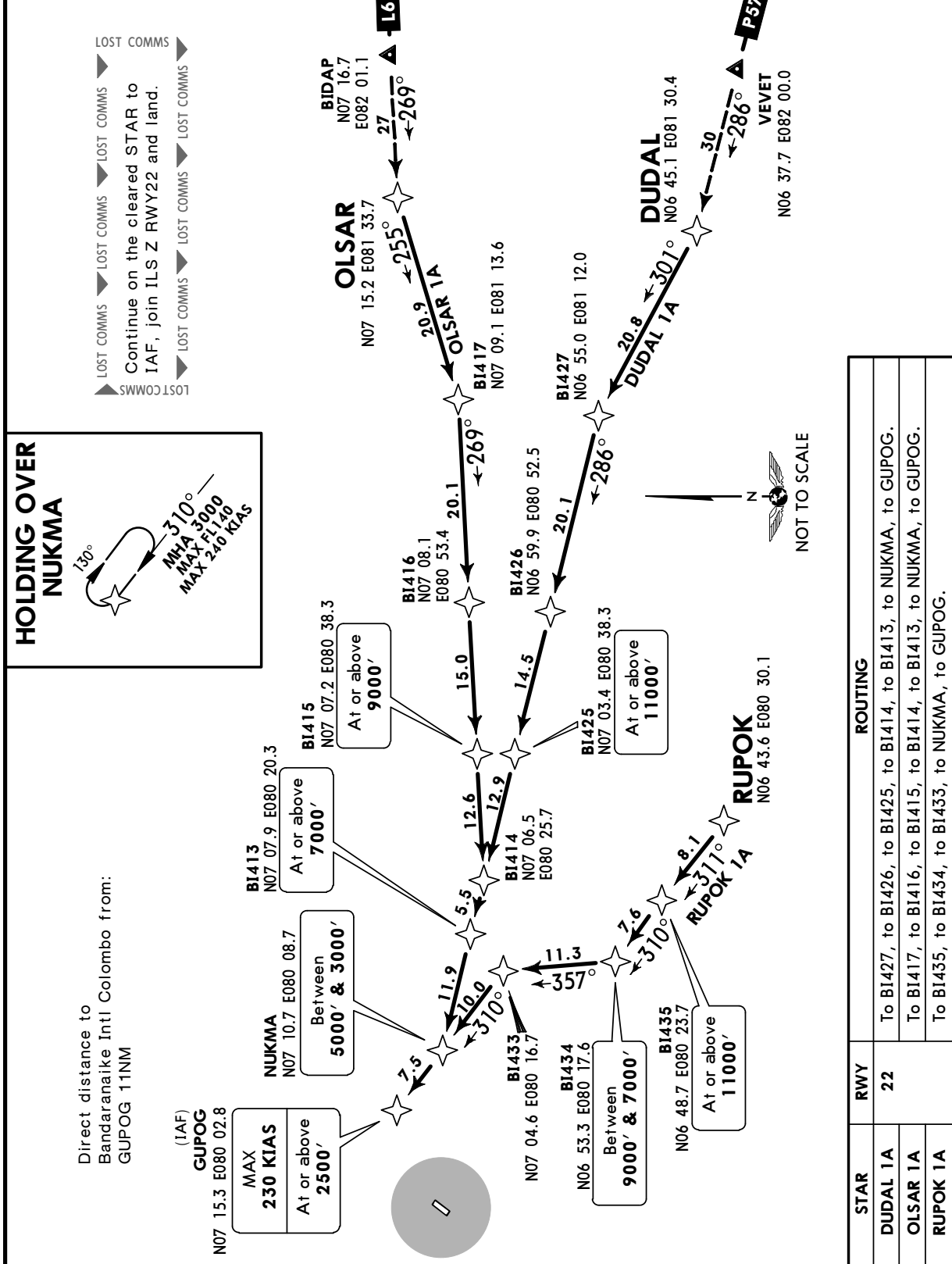
Eff 21 Jul

RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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DUDAL 1A [DUDA1A]
 OLSAR 1A [OLSA1A]
 RUPOK 1A [RUPO1A]
 RNAV ARRIVALS



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BANDARANAIKE INTL COLOMBO

15 JUL 16

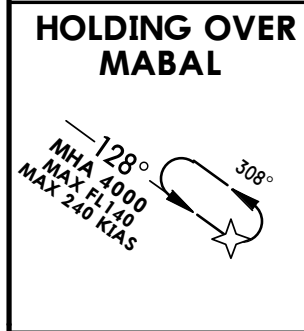
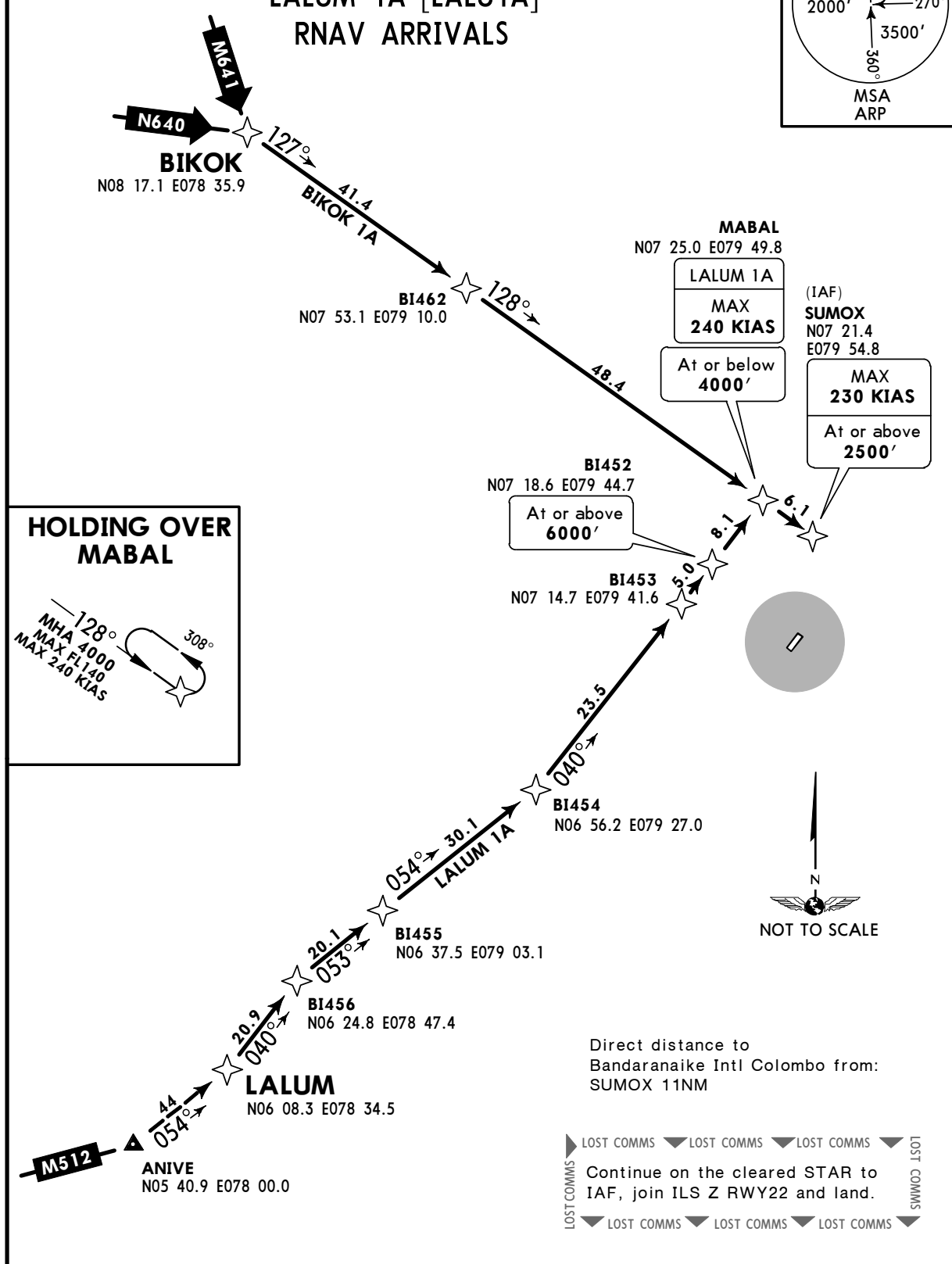
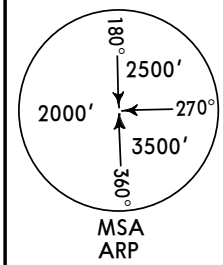
10-2C

Eff 21 Jul

RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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**BIKOK 1A [BIK01A]
LALUM 1A [LALU1A]
RNAV ARRIVALS**



Direct distance to
Bandaranaike Intl Colombo from:
SUMOX 11NM

LOST COMMS

Continue on the cleared STAR to
IAF, join ILS Z RWY22 and land.

LOST COMMS

STAR	RWY	ROUTING
BIKOK 1A	22	To BI462, to MABAL, to SUMOX.
LALUM 1A		To BI456, to BI455, to BI454, to BI453, to BI452, to MABAL, to SUMOX

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BANDARANAIKE INTL COLOMBO

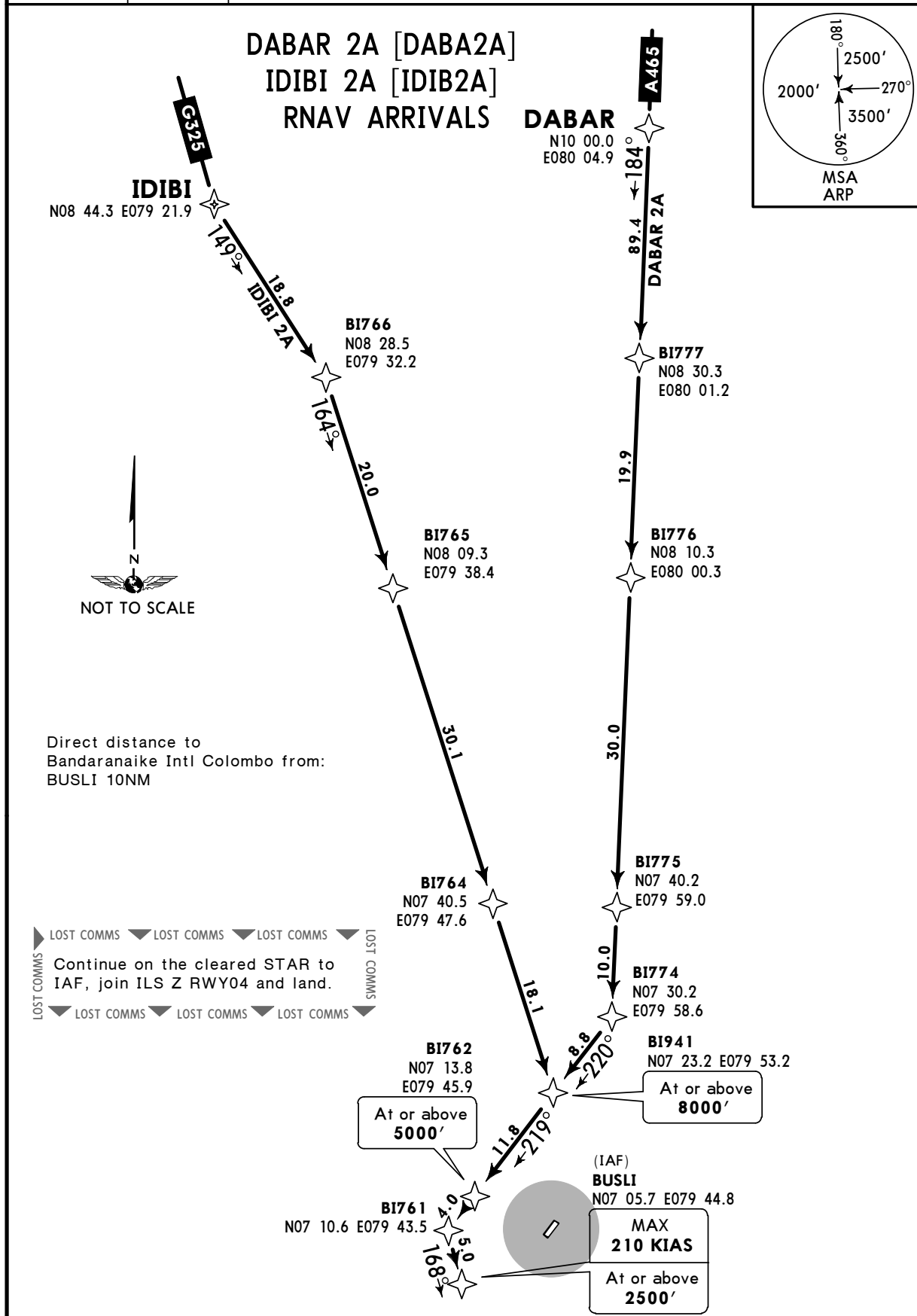
12 AUG 16

10-2D

Eff 18 Aug

RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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STAR	RWY	ROUTING
DABAR 2A	04	To BI777, to BI776 to BI775, to BI774, to BI941, to BI762, to BI761, to BUSLI.
IDIBI 2A		To BI766, to BI765, to BI764, to BI941, to BI762, to BI761, to BUSLI.

CHANGES: New procedures at this airport.

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BANDARANAIKE INTL COLOMBO 12 AUG 16

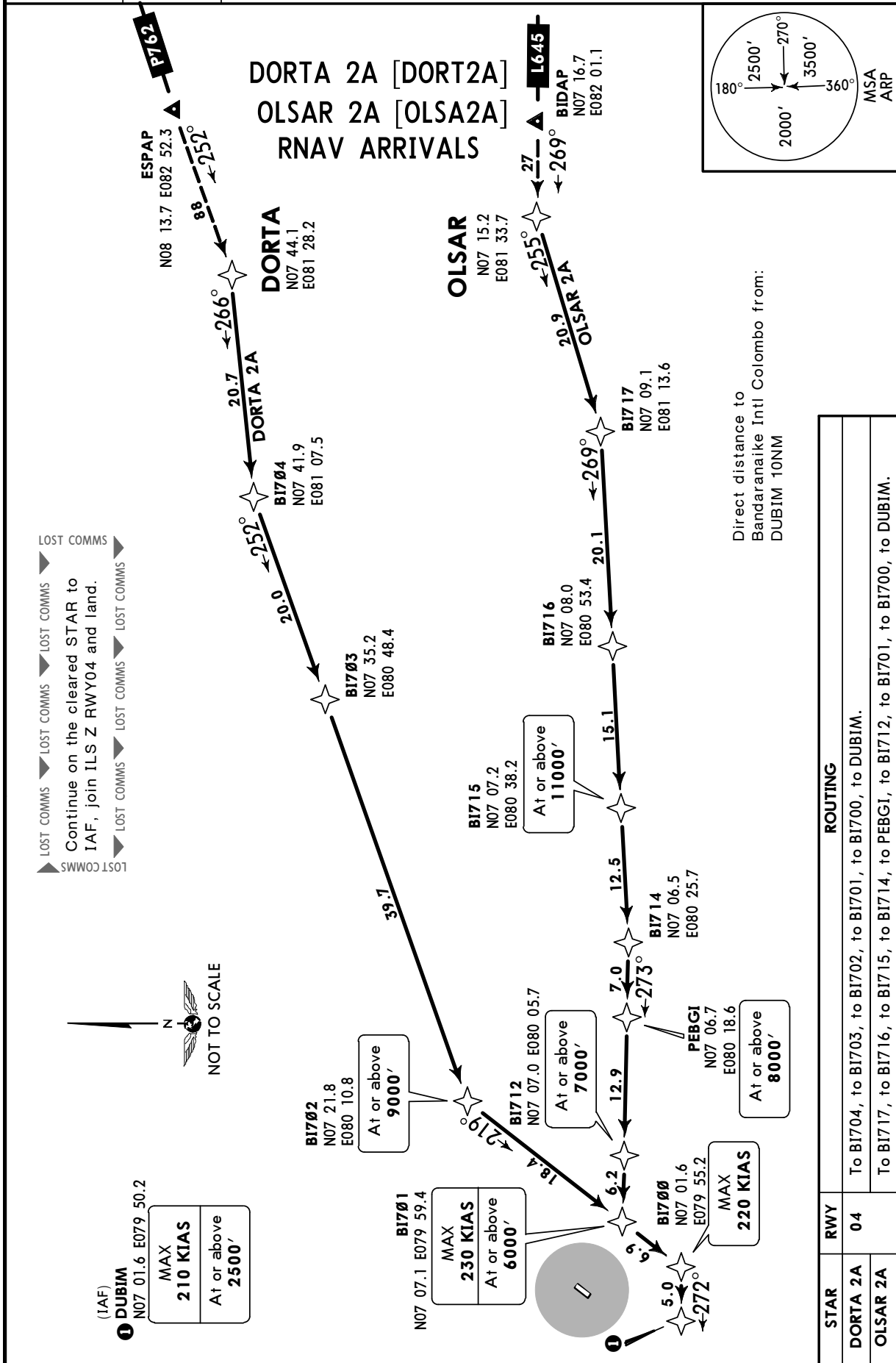
10-2E

Eff 18 Aug

RNAV STAR

Alt Set: hPa Trans level: FL130 Trans alt: 11000'

1. RNAV-1 (GNSS).
2. GNSS required.
3. ATS Surveillance required.
4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.



CHANGES: New procedures at this airport.

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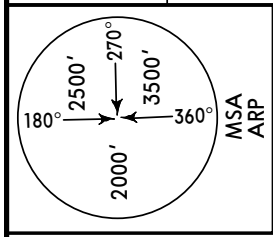
BANDARANAIKE INTL COLOMBO 12 AUG 16

10-2F

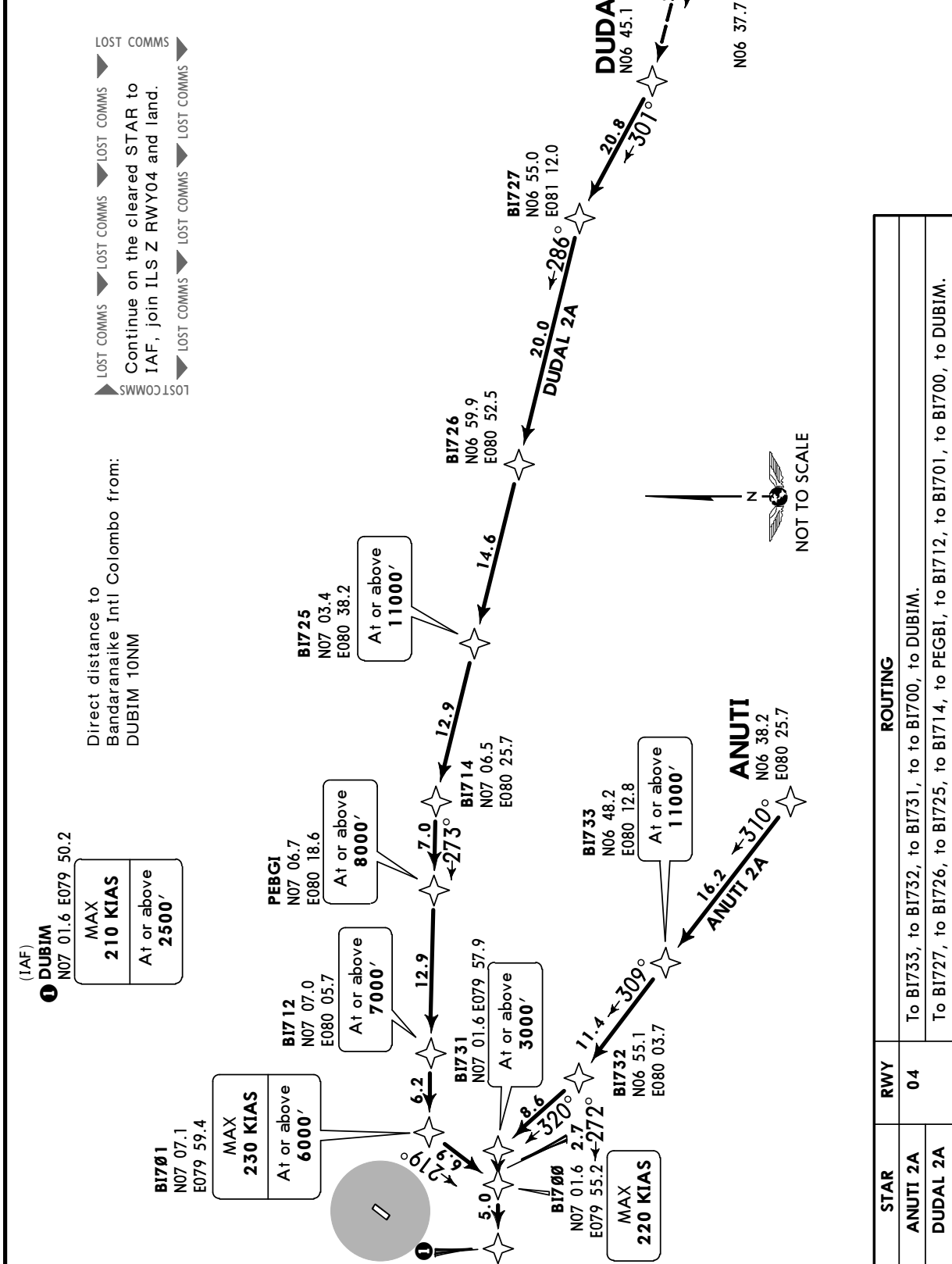
Eff 18 Aug

RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATIS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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**ANUTI 2A [ANUT2A]
DUDAL 2A [DUDA2A]
RNAV ARRIVALS**



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BANDARANAIKE INTL COLOMBO

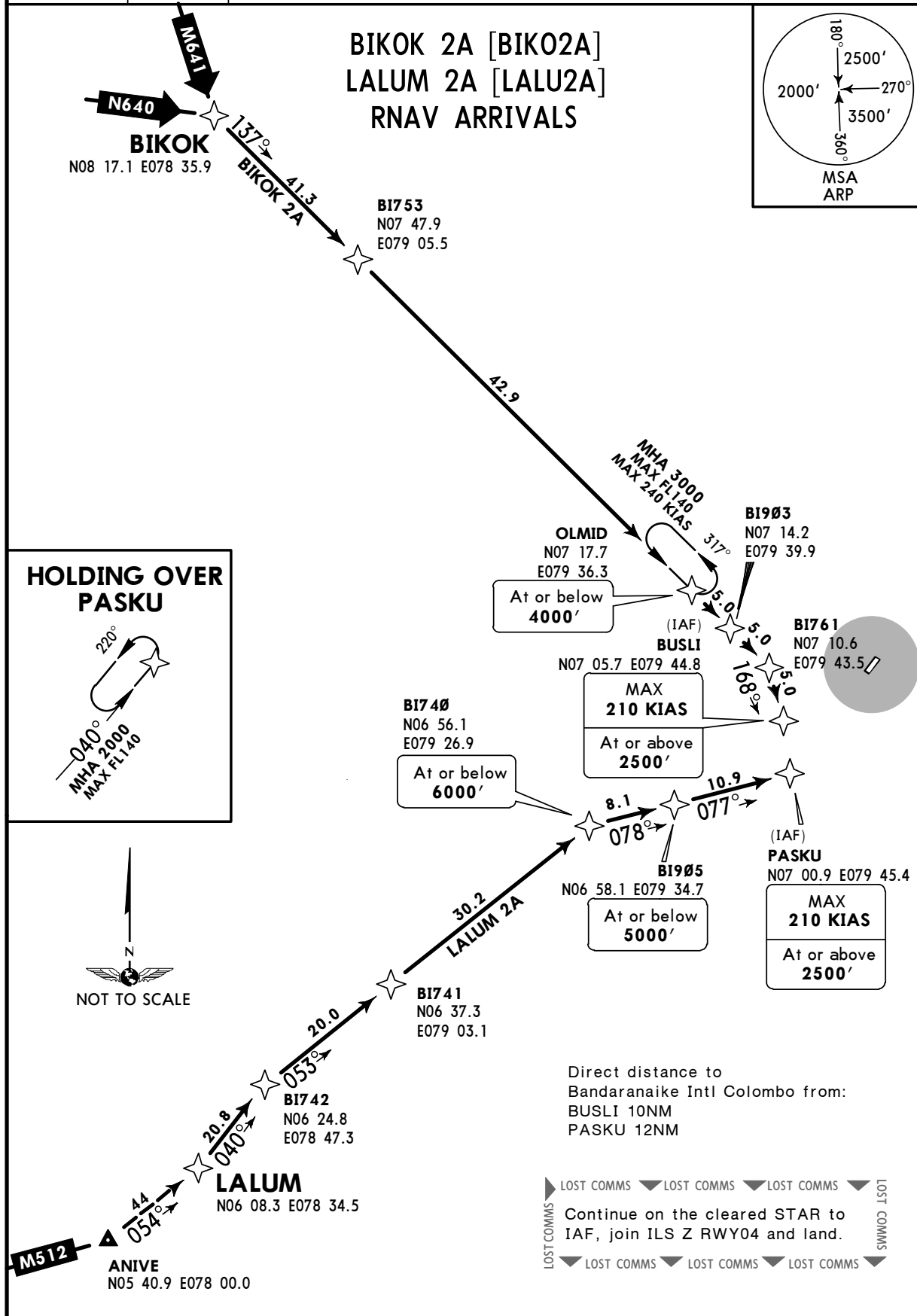
12 AUG 16

10-2G

Eff 18 Aug

RNAV STAR

ATIS 127.2	Apt Elev 29'	Alt Set: hPa Trans level: FL130 Trans alt: 11000' 1. RNAV-1 (GNSS). 2. GNSS required. 3. ATS Surveillance required. 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
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STAR	RWY	ROUTING
BIKOK 2A	04	To BI753, to OL MID, to BI903, to BI761, to BUSLI.
LALUM 2A		To BI742, to BI741, to BI740, to BI905, to PASKU.

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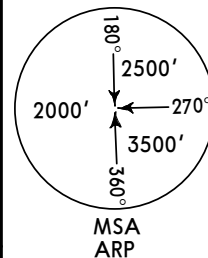
JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO 12 AUG 16 (10-3)

RNAV SID

Apt Elev
29'

- Trans level: FL130 Trans alt: 11000'
1. RNAV-1 (GNSS).
 2. GNSS required.
 3. ATS Surveillance required.
 4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
 5. ATETA 1D: Available only for ACFT proceeding to VOTR and/or ACFT via TTR to other destinations. ACFT shall flight plan via ATETA - T4 - TTR.



ATETA 1D [ATET1D]
DEMON 1D [DEMO1D]
RNAV DEPARTURES

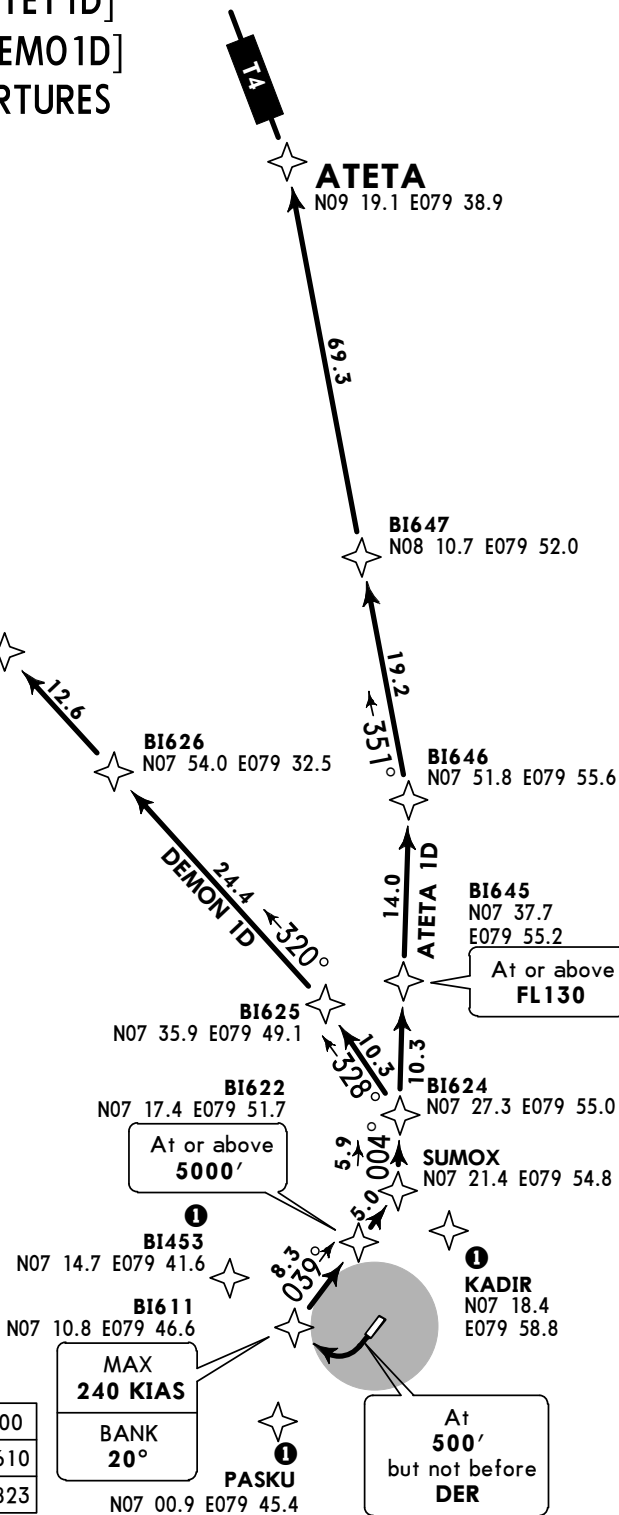


Direct distance from
Bandaranaike Intl Colombo to:
BI611 6NM

- Continue on SID to cruising level.
If ACFT return to VCBI:
- Before SUMOX:
Continue on SID to SUMOX. Join ILS Z RWY22.
 - After SUMOX:
Join STAR IDIBI 1A (ATETA 1D) or STAR BIKOK 1A (DEMON 1D). Join ILS Z RWY22.
 - If landing land on RWY22.
 - If holding/fuel dumping: From KADIR track to PASKU hold at or above 6000'. For landing track to BI453 and join STAR LALUM 1A. Join ILS Z RWY22.

These SIDs require minimum climb gradients of
ATETA 1D: 6.0% up to FL130.
DEMON 1D: 5.3% up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
5.3% V/V (fpm)	403	537	805	1073	1342	1610
6.0% V/V (fpm)	456	608	911	1215	1519	1823



INITIAL CLIMB

Climb on 220° track to 500', after crossing DER turn RIGHT to BI611, to BI622, to SUMOX, to BI624.

SID	RWY	ROUTING
ATETA 1D	22	From BI624 to BI645, to BI646, to BI647, to ATETA.
DEMON 1D		From BI624 to BI625, to BI626, to BI627, to DEMON.

VCBI/CMB

JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO 12 AUG 16

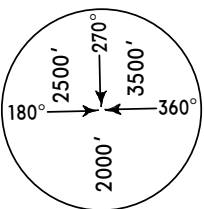
(10-3A)

RNAV SID

Apt Elev
29'

Trans level: FL130 Trans alt: 11000'

1. RNAV-1 (GNSS).
2. GNSS required.
3. ATS Surveillance required.
4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.



DORTA 1D [DORT1D]
OLSAR 1D [OLSA1D]
RNAV DEPARTURES

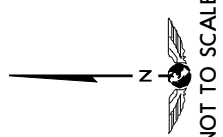
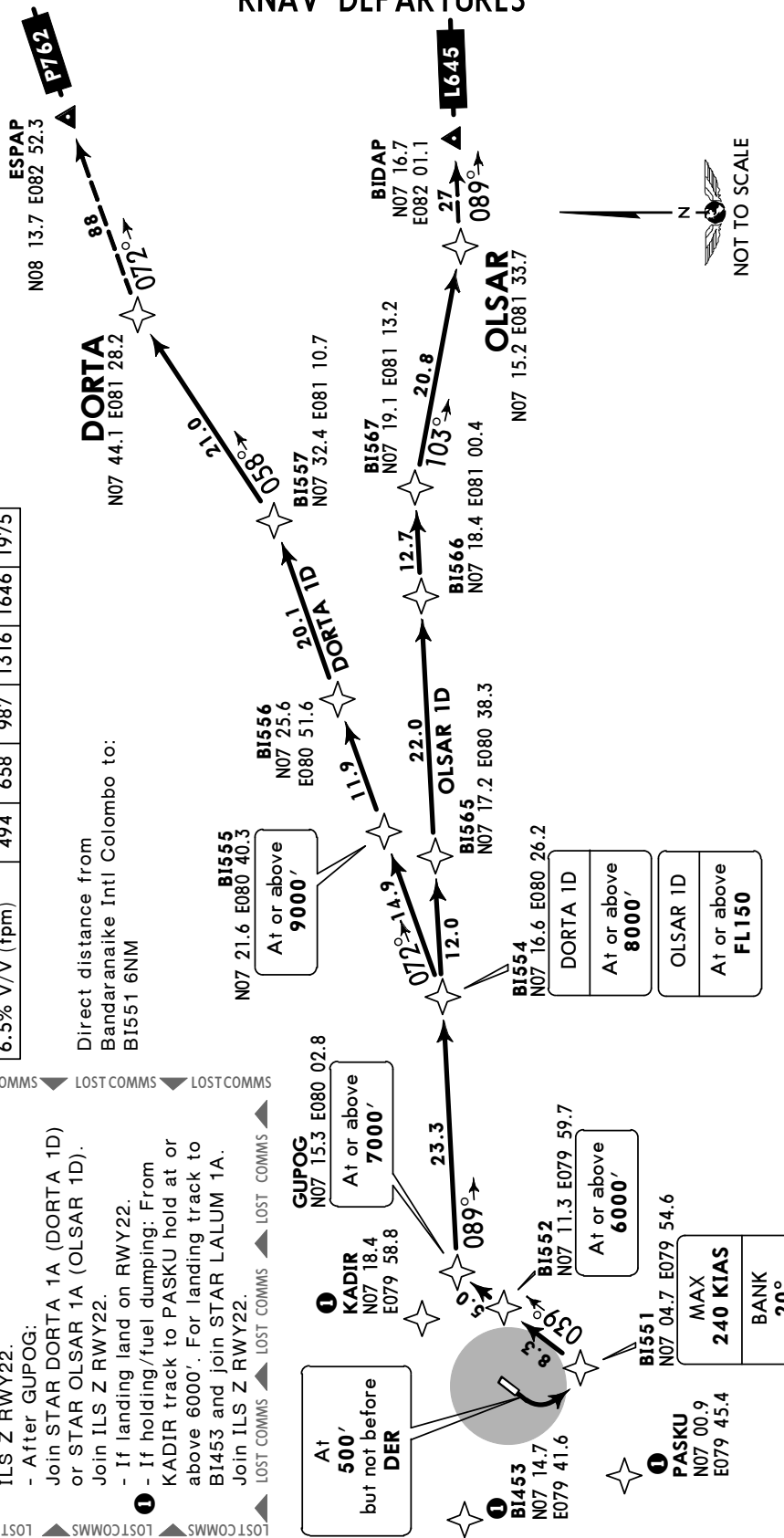
INITIAL CLIMB	
Climb on 220° track to 500', after crossing DER turn LEFT to BI551, to BI552, to GUPOG, to BI554.	
SID	RWY
DORTA 1D	22
OLSAR 1D	

These SIDs require a minimum climb gradient of 6.5% up to 6000'.

Gnd speed-KT	75	100	150	200	250	300
6.5% V/V (fpm)	494	658	987	1316	1646	1975

Direct distance from Bandaranaike Intl Colombo to: BI551 6NM

LOST COMMS
Continue on SID to cruising level.
If ACFT return to VCBI:
- Before GUPOG:
Continue on SID to GUPOG. Join ILS Z RWY22.
- After GUPOG:
Join STAR DORTA 1A (DORTA 1D) or STAR OLSAR 1A (OLSAR 1D). Join ILS Z RWY22.
- If landing land on RWY22.
- If holding/fuel dumping: From KADIR track to PASKU hold at or above 6000'. For landing track to BI453 and join STAR LALUM 1A. Join ILS Z RWY22.



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JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

15 JUL 16

10-3B

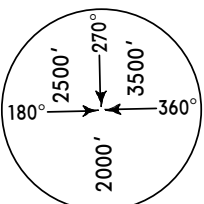
Eff 21 Jul

RNAV SID

Apt Elev
29'

Trans level: FL130 Trans alt: 11000'

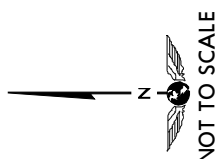
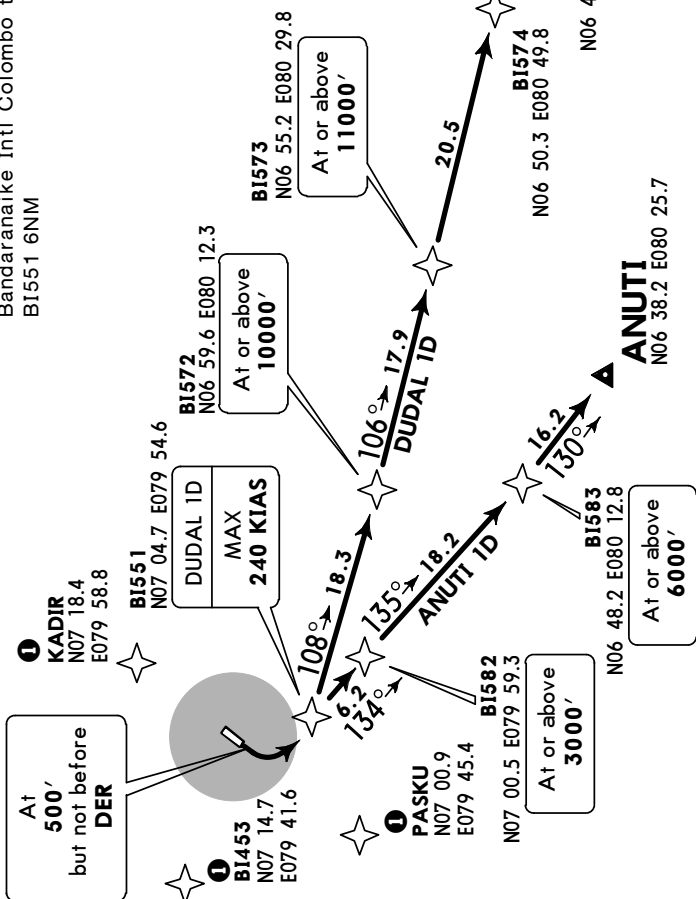
1. RNAV-1 (GNSS).
2. GNSS required.
3. ATS Surveillance required.
4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.



ANUTI 1D [ANUT1D]
DUDAL 1D [DUDA1D]
RNAV DEPARTURES

Continue on SID to cruising level.
If ACFT return to VCBI:
- Join STAR DUDAL 1A (DUDAL 1D)
or STAR RUPOK 1A (ANUTI 1D).
Join ILS Z RWY22.
- If holding/fuel dumping: From KADIR track to PASKU hold at or above 6000'. For landing track to BI453 and join STAR LALUM 1A. Join ILS Z RWY22.

Direct distance from
Bandaranaike Intl Colombo to:
BI551 6NM



SID	INITIAL CLIMB					
	RWY	22				
ANUTI 1D						
DUDAL 1D						

SID	ROUTING	
	RWY	
ANUTI 1D	22	From BI551 to BI582, to BI583, to ANUTI.
DUDAL 1D		From BI551 to BI572, to BI573, to BI574, to BI575, to DUDAL.

These SIDs require minimum climb gradients of
ANUTI 1D: 4.3% up to 3000'.
DUDAL 1D: 6.5% up to 10000'.

VCBI/CMB

JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

15 JUL 16

10-3C

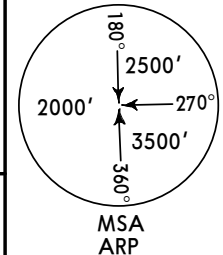
Eff 21 Jul

RNAV SID

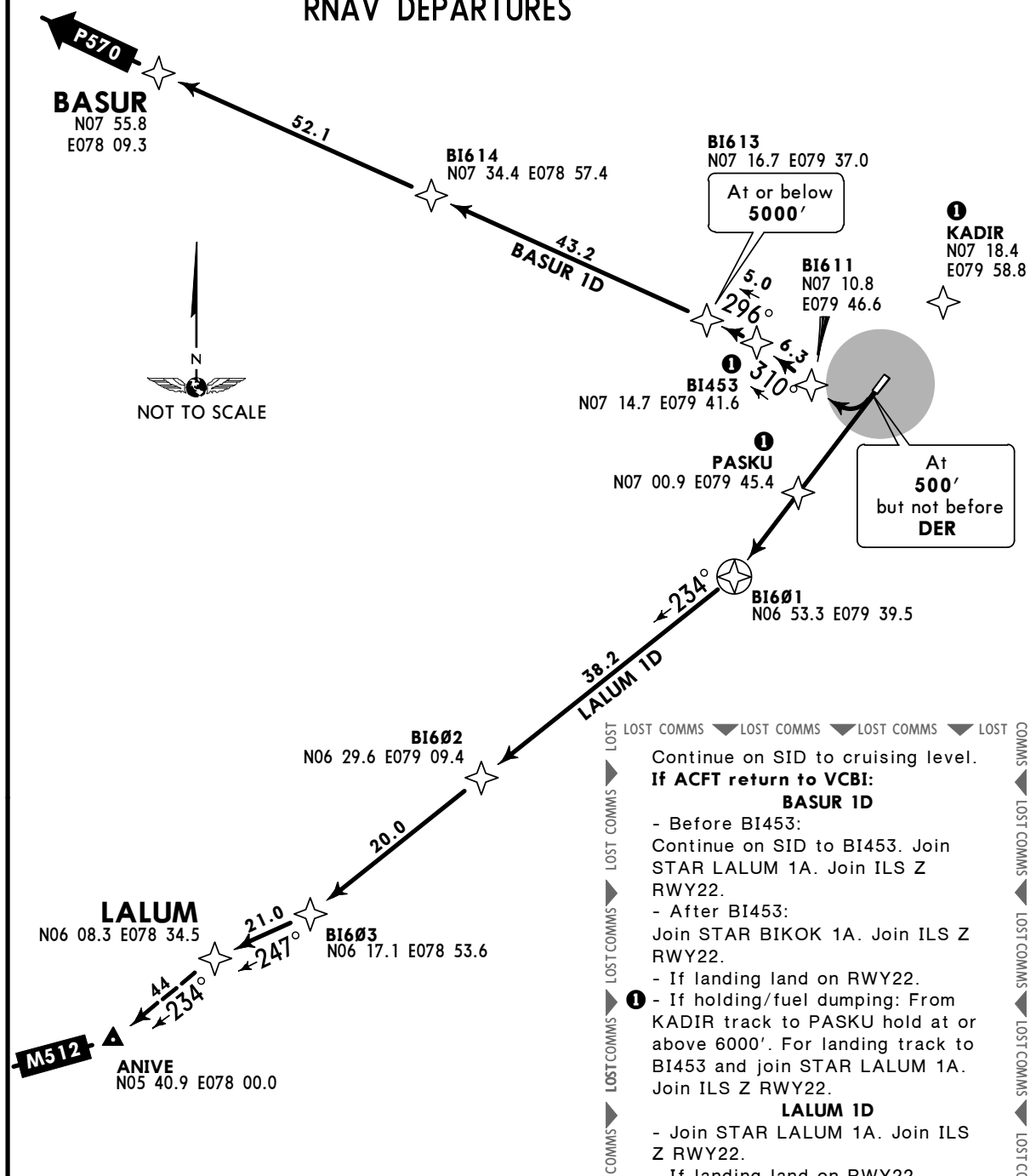
Apt Elev
29'

Trans level: FL130 Trans alt: 11000'

1. RNAV-1 (GNSS).
2. GNSS required.
3. ATS Surveillance required.
4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.



**BASUR 1D [BASU1D]
LALUM 1D [LALU1D]
RNAV DEPARTURES**



Direct distance from
Bandaranaike Intl Colombo to:
BI601 22NM
BI611 6NM

LOST COMMS

Continue on SID to cruising level.
If ACFT return to VCBI:

BASUR 1D

- Before BI453: Continue on SID to BI453. Join STAR LALUM 1A. Join ILS Z RWY22.
- After BI453: Join STAR BIKOK 1A. Join ILS Z RWY22.
- If landing land on RWY22.
- ① - If holding/fuel dumping: From KADIR track to PASKU hold at or above 6000'. For landing track to BI453 and join STAR LALUM 1A. Join ILS Z RWY22.

LALUM 1D

- Join STAR LALUM 1A. Join ILS Z RWY22.
- If landing land on RWY22.
- ① - If holding/fuel dumping: From KADIR track to PASKU hold at or above 6000'. For landing track to BI453 and join STAR LALUM 1A. Join ILS Z RWY22.

LOST COMMS

SID	RWY	INITIAL CLIMB/ROUTING
BASUR 1D	22	Climb on 220° track to 500', after crossing DER turn RIGHT to BI611, to BI453, to BI613, to BI614, to BASUR.
LALUM 1D		Climb on 220° track to 500', after crossing DER to BI601, to BI602, to BI603, to LALUM.

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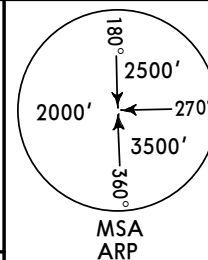
BANDARANAIKE INTL COLOMBO 19 AUG 16 (10-3D)

RNAV SID

Apt Elev
29'

Trans level: FL130 Trans alt: 11000'

1. RNAV-1 (GNSS).
2. GNSS required.
3. ATS Surveillance required.
4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.
5. ATETA 2D: Available only for ACFT proceeding to VOTR and/or ACFT via TTR to other destinations. ACFT shall flight plan via ATETA - T4 - TTR.



ATETA 2D [ATET2D]
DEMON 2D [DEMO2D]
RNAV DEPARTURES

DEMON
N08 33.5 E078 56.4

ATETA
N09 19.1 E079 38.9



BI944
N08 30.9
E079 46.0

Direct distance from
Bandaranaike Intl Colombo to:
BI900 6NM
BI940 6NM

LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS

Continue on SID to cruising level.
If ACFT return to VCBI:

ATETA 2D

- Join STAR IDIBI 2A. Join ILS Z RWY04.
- If landing land on RWY04.
- ① - If holding/fuel dumping: From BUSLI track to PASKU hold at or above 6000'. For landing join ILS Z RWY04.

DEMON 2D

Before BI901:

- Join STAR IBIDI 2A. Join ILS Z RWY04.

Else:

- Join STAR BIKOK 2A. Join ILS Z RWY 04.
- If landing land on RWY04.
- ① - If holding/fuel dumping: From BUSLI track to PASKU hold at or above 6000'. For landing join. Join ILS Z RWY04.

COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲

This SID requires a minimum climb gradient of
of
DEMON 2D: 4.5% up to 4000'.

Gnd speed-KT	75	100	150	200	250	300
4.5% V/V (fpm)	342	456	684	911	1139	1367

BI924
N08 00.8
E079 19.3

BI943
N08 11.0
E079 48.9

BI942
N07 41.0
E079 53.2

BI941
N07 23.2
E079 53.2

BI940
N07 16.6
E079 53.1

BUSLI ①
N07 05.7 E079 44.8

PASKU ①
N07 00.9 E079 45.4

INITIAL CLIMB

Climb on 040° track to 500', after crossing DER turn LEFT,

SID	RWY	ROUTING
ATETA 2D	04	direct to BI940, to BI941, to BI942, to BI943, to BI944, to ATETA.
DEMON 2D	04	direct to BI900, to BI901, to BI922, to BI923, to BI924, to DEMON.

VCBI/CMB

JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO 19 AUG 16

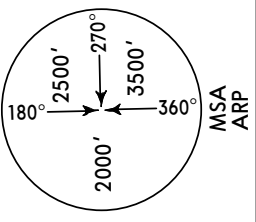
10-3F

RNAV SID

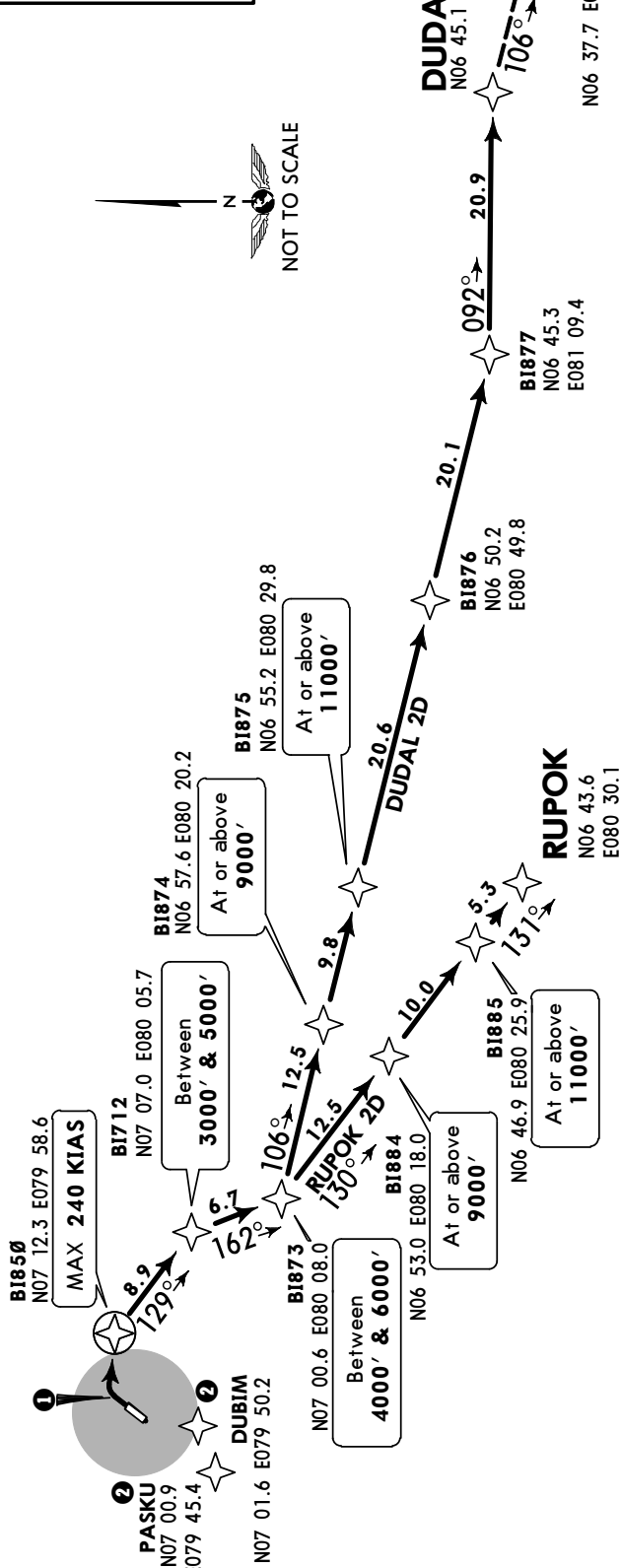
Apt Elev 29'

Trans level: FL130 Trans alt: 11000'

- RNAV-1 (GNSS).
- GNSS required.
- ATS Surveillance required.
- ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.



DUDAL 2D [DUDA2D]
RUPOK 2D [RUPO2D]
RNAV DEPARTURES



COMMS ▼ LOST COMMS ▲ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼

Continue on SID to cruising level.

If ACFT return to VCBI:
Join STAR DUDAL 2A (DUDAL 2D)
or STAR ANUTI 2A (RUPOK 2D).
Join ILS Z RWY 04.

2 - If landing land on RWY04.
- If holding/fuel dumping: From DUBIM track to PASKU hold at or above 6000'. For landing join ILS Z RWY04.

COMMS ▲ LOST COMMS ▼ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲

INITIAL CLIMB	
SID	RWY
DUDAL 2D	04
RUPOK 2D	
ROUTING	
DUDAL 2D	From BI873 to BI874, to BI876, to BI877, to DUDAL.
RUPOK 2D	From BI873 to BI884, to BI885, to RUPOK.

Gnd speed-KT	75	100	150	200	250	300
4.1% V/V (fpm)	311	415	623	830	1038	1246

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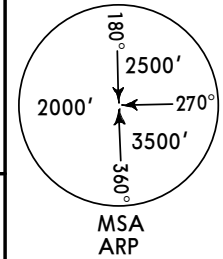
BANDARANAIKE INTL COLOMBO 19 AUG 16 **10-3G**

RNAV SID

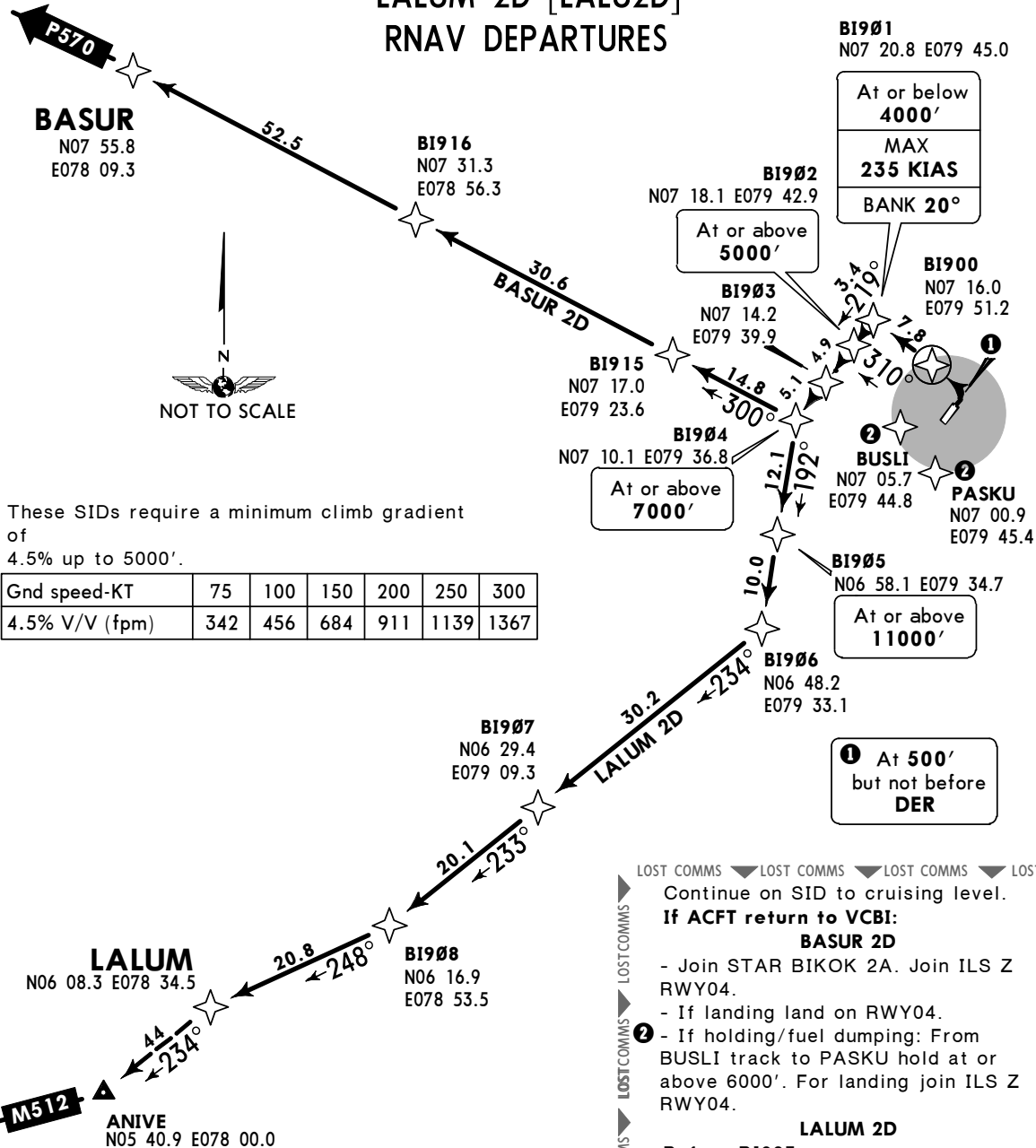
Apt Elev 29'

Trans level: FL130 Trans alt: 11000'

1. RNAV-1 (GNSS).
2. GNSS required.
3. ATS Surveillance required.
4. ACFT not approved for RNAV-1 (GNSS) operations shall inform ATC and EXPECT conventional route where applicable or EXPECT RADAR vectors.



**BASUR 2D [BASU2D]
LALUM 2D [LALU2D]
RNAV DEPARTURES**



Direct distance from
Bandaranaike Intl Colombo to:
BI900 6NM

LOST COMMS

Continue on SID to cruising level.
If ACFT return to VCBI:

BASUR 2D

- Join STAR BIKOK 2A. Join ILS Z RWY04.
- If landing land on RWY04.
- ② - If holding/fuel dumping: From BUSLI track to PASKU hold at or above 6000'. For landing join ILS Z RWY04.

LALUM 2D

Before BI903:

- Join STAR LALUM 2A. Join ILS Z RWY04.

Else:

- Join STAR LALUM 2A. Join ILS Z RWY 04
- If landing land on RWY04.
- ② - If holding/fuel dumping: From BUSLI track to PASKU hold at or above 6000'. For landing join. Join ILS Z RWY04.

SID	RWY	INITIAL CLIMB/ROUTING
BASUR 2D	04	Climb on 040° track to 500', after crossing DER turn LEFT direct to BI900, to BI901, to BI902, to BI903, to BI904, to BI915, to BI916, to BASUR.
LALUM 2D		Climb on 040° track to 500', after crossing DER turn LEFT direct to BI900, to BI901, to BI902, to BI903, to BI904, to BI905, to BI906, to BI907, to BI908, to LALUM.

VCBI/CMB

JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

12 AUG 16

10-3H

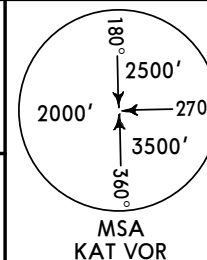
Eff 18 Aug

SID

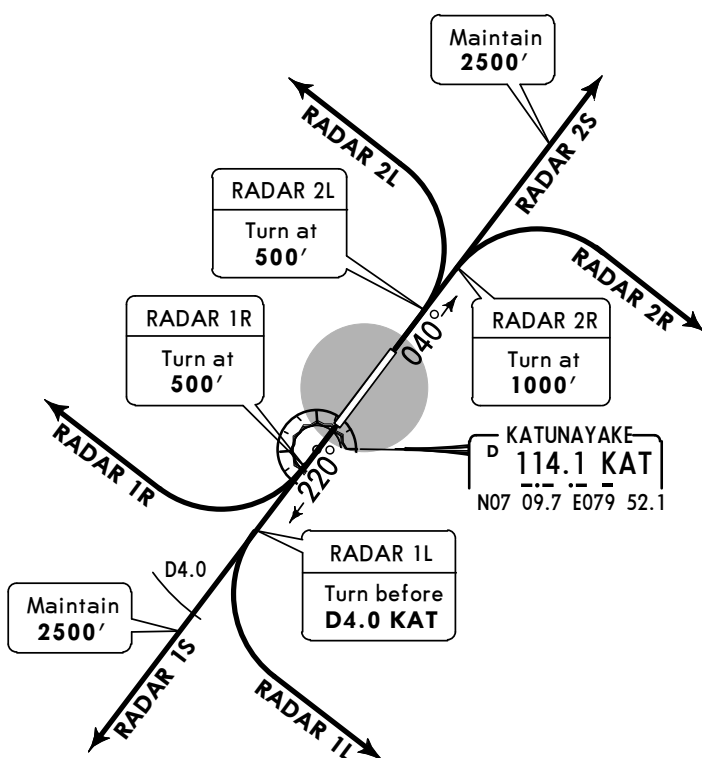
COLOMBO Director
132.4

Apt Elev
29'

- Trans level: FL130 Trans alt: 11000'
1. No turns allowed before DER.
 2. Assigned heading and level if applicable will be issued with take-off clearance.
 3. When airborne contact COLOMBO DIRECTOR.



RADAR 1L, RADAR 1R, RADAR 1S
RADAR 2L, RADAR 2R, RADAR 2S
DEPARTURES



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

▶ Maintain assigned heading and climb to MSA or at last assigned level if higher. Maintain MSA or assigned level as appropriate for 2 minutes. Then climb to flight plan level and intercept flight plan track as amended by ATC if applicable.

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

SID	RWY	ROUTING
RADAR 1L	22	Climb straight ahead, turn LEFT before D4.0 KAT, track on to course.
RADAR 1R		Climb straight ahead to 500', turn RIGHT, track on to course.
RADAR 1S		Climb straight ahead and maintain 2500'.
RADAR 2L	04	Climb straight ahead to 500', turn LEFT, track on to course.
RADAR 2R		Climb straight ahead to 1000', turn RIGHT, track on to course.
RADAR 2S		Climb straight ahead and maintain 2500'.

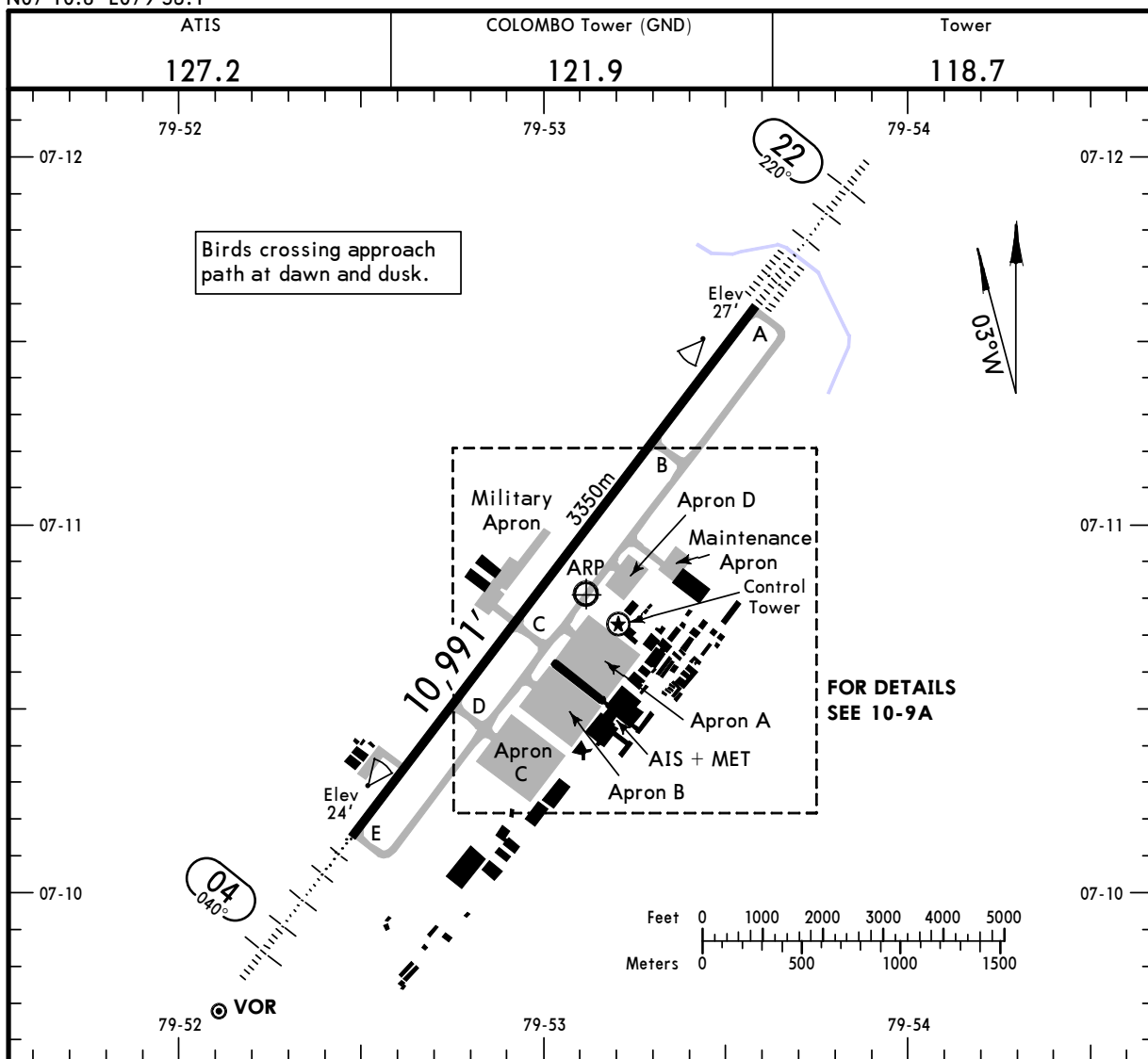
VCBI/CMB

Apt Elev 29'
N07 10.8 E079 53.1

JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

30 OCT 15 (10-9)



ADDITIONAL RUNWAY INFORMATION

RWY						USABLE LENGTHS		TAKE-OFF	WIDTH
						LANDING BEYOND			
	HIRL (60m)	CL (30m)	HIALS		RVR	Threshold	Glide Slope		
04	HIRL (60m)	CL (30m)	HIALS	①	RVR		10,148' 3093m		148'
22	HIRL (60m)	CL (30m)	HIALS-II	TDZ ①	RVR		10,019' 3054m		45m

① PAPI (3.0°)

PUSH-BACK AND START-UP PROCEDURE

The pilot shall notify ATC when aircraft is "READY TO PUSH-BACK AND START-UP IN FIVE MINUTES".
ATC clearance will be cancelled after five minutes grace period.

TAKE-OFF

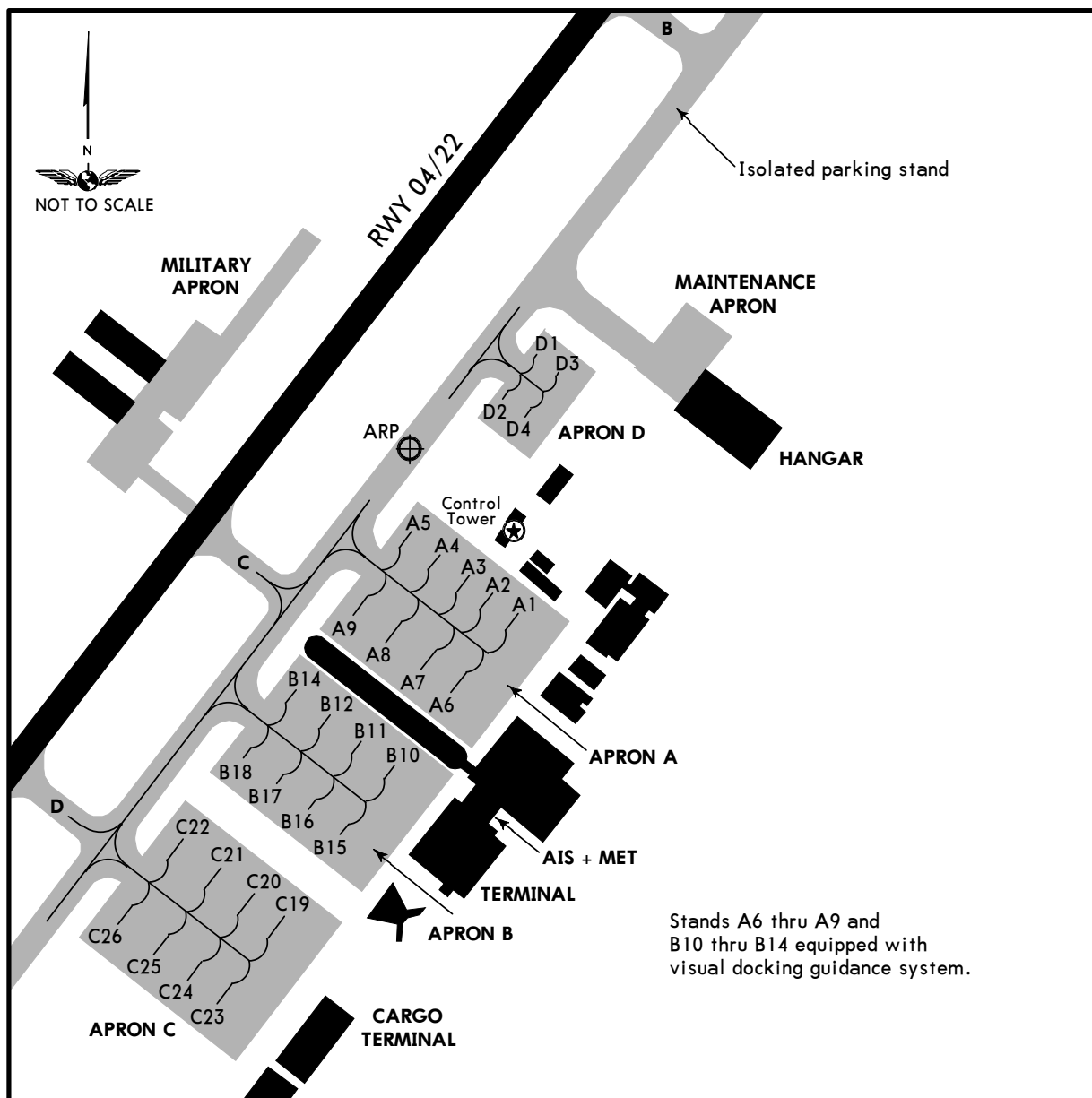
AIR CARRIER (JAA)
All Rwys

LVP must be in force

	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A			
B	200m (150m)	250m	400m
C			
D	250m (200m)	300m	

VCBI/CMB

JEPPESEN KATUNAYAKE, SRI LANKA
 30 OCT 15 **(10-9A)** BANDARANAIKE INTL COLOMBO



Stands A6 thru A9 and B10 thru B14 equipped with visual docking guidance system.

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
A1 thru A4	N07 10.7 E079 53.2	C19 thru C21	N07 10.4 E079 53.0
A5	N07 10.7 E079 53.1	C22	N07 10.5 E079 52.9
A6 thru A9	N07 10.6 E079 53.1	C23 thru C25	N07 10.3 E079 52.9
B10	N07 10.5 E079 53.1	C26	N07 10.4 E079 52.8
B11, B12	N07 10.6 E079 53.1	D1	N07 10.9 E079 53.2
B14	N07 10.6 E079 53.0	D2	N07 10.8 E079 53.2
B15	N07 10.4 E079 53.0	D3	N07 10.9 E079 53.3
B16 thru B18	N07 10.5 E079 53.0	D4	N07 10.8 E079 53.2

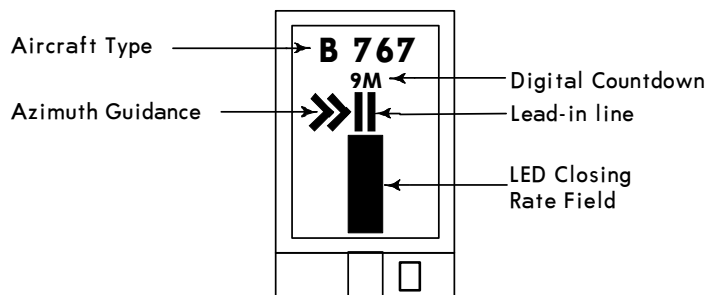
DOCKING GUIDANCE SYSTEM (SAFEDOCK)

DESCRIPTION OF THE SYSTEM

The system uses laser scanning technology and it tracks the aircraft signature and the lateral and longitudinal position of the aircraft. This 3D technique ensures that the pilot is provided with the correct stop indication for the aircraft.

The necessary information for correct aircraft docking such as azimuth guidance, continuous closing rate information, aircraft type etc. is shown on a LED-Display pane that is clearly visible for both pilot in command and co-pilot.

LED-Display and Laser Scanning Unit mounted on the pier building wall in front of each of above parking stands:

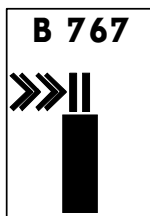


DOCKING PROCEDURES

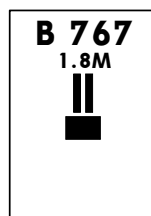
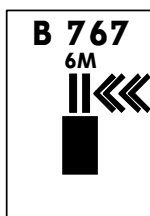
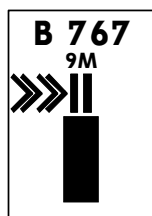
1. Pilot identifies the correct parking bay position.
2. Pilot observes that the scrolling yellow arrows are indicating that the system is activated. (Pilot shall not enter the parking stand area unless the scrolling yellow arrows are displayed).
3. Pilot follows the lead in line and checks that the correct aircraft type is displayed. (Pilot shall not enter the parking stand area unless the correct aircraft type is displayed).



4. On successful capture of the aircraft, the scrolling yellow arrows are replaced by solid yellow closing rate field. (Pilot shall not proceed to the brigde unless the scrolling arrows have been superseded by the solid yellow closing rate field).
5. The flashing red arrow and solid yellow provide azimuth guidance information. The flashing red arrow shows which direction to steer, while the solid yellow arrow gives an indication of how far the aircraft is off the centerline.

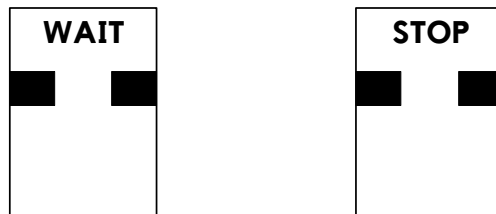


6. When the aircraft is 39'/12m from the stop position, the system starts displaying closing rate information. "Distance to go" is indicated by turning off one row of LEDs for every 2'/0.5m that the aircraft advances towards the stop position. From 30'/9m to the stop position, the yellow digital closing rate countdown will indicate the distance from the stop position for every 3'/1m. At 7'/2m from the stop position, the display will indicate the distance from the stop position for every 0.7'/0.2m.

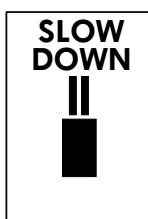


DOCKING GUIDANCE SYSTEM (SAFEDOCK)

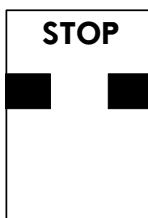
7. The aircraft must be identified at least 39'/12m before the stop position. If this does not occur, the system displays "STOP" and then "WAIT" with two red rectangular fields being lit in the azimuth guidance area of the display. The system will then attempt to identify the aircraft. If successful, the docking procedure will continue. If not, "WAIT" will be replaced with "STOP".



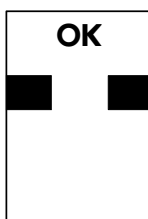
8. If the aircraft is approaching faster than the accepted speed, the system will show "SLOW DOWN" as a warning.



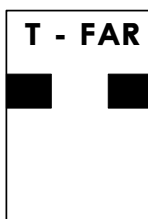
9. When the correct stop position is reached, all of the LEDs for the closing rate field will be off, the word "STOP" will appear in the display and two red rectangular fields will light the azimuth guidance area of the display.



10. If the aircraft stops in the correct position, "OK" will be displayed after a few seconds.



11. If the aircraft has gone past the correct stop position, the display will show "T - FAR".
 (To avoid overshooting, pilots are advised to approach the stop position at the minimum speed and observe the closing rate information displayed. Pilots should stop the aircraft immediately when seeing "STOP").



VCBI/CMB

JEPESEN

Standard

5 AUG 16
Eff 18 Aug 10-9S

KATUNAYAKE, SRI LANKA
BANDARANAIKE INTL COLOMBO

STRAIGHT-IN RWY		A	B	C	D
04	ILS	234'(210')	244'(220')	254'(230')	264'(240')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC ①	380'(356')	380'(356')	380'(356')	380'(356')
		R900m	R900m	R900m	R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
	RNP (LNAV/VNAV)	310'(286')	320'(296')	340'(316')	370'(346')
		R750m	R750m	R750m	R900m
	ALS out	R1400m	R1400m	R1400m	R1600m
22	RNP (LNAV) ①	570'(546')	570'(546')	570'(546')	570'(546')
		R1500m	R1500m	R1800m	R1800m
	ALS out	R1500m	R1500m	C2400m	C2400m
	VOR ①	540'(511')	540'(511')	540'(511')	540'(511')
		R1500m	R1500m	R1600m	R1600m
	ALS out	R1500m	R1500m	C2400m	C2400m
	ILS	230'(203')	230'(203')	240'(213')	250'(223')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
04, 22	LOC ①	490'(463')	490'(463')	490'(463')	490'(463')
		R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	C2200m	C2200m
	RNP (LNAV/VNAV)	330'(303')	340'(313')	380'(353')	390'(363)
	FULL	R700m	R700m	R900m	R1000m
	Limited	R750m	R750m	R900m	R1000m
	ALS out	R1400m	R1400m	R1600m	R1700m
	RNP (LNAV) ①	570'(543')	570'(543')	570'(543')	570'(543')
		R1500m	R1500m	R1800m	R1800m
	ALS out	R1500m	R1500m	C2400m	C2400m
04, 22	VOR ①	540'(511')	540'(511')	540'(511')	540'(511')
		R1500m	R1500m	R1600m	R1600m
	ALS out	R1500m	R1500m	C2400m	C2400m

① Continuous Descent Final Approach.

TAKE-OFF RWY 04, 22

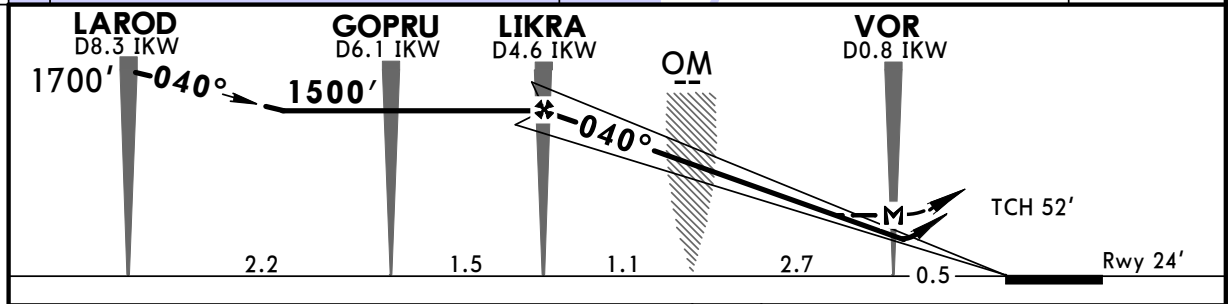
	LVP must be in Force			RCLM (DAY only) or RL	NIL (DAY only)
	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL		
A					
B	150m	200m	250m	400m	500m
C					
D	200m	250m	300m		

VCBI/CMB

BANDARANAIKE INTL COLOMBO

JEPESEN KATUNAYAKE, SRI LANKA
 5 AUG 16 **11-1** ILS Z or LOC Z Rwy 04
 Eff 18 Aug

ATIS 127.2	COLOMBO Approach (R) 120.9	COLOMBO Director (APP) 120.9 132.4	COLOMBO Tower 118.7	Ground 121.9
LOC IKW 109.9	Final Apch Crs 040°	GS LIKRA 1500' (1476')	ILS DA(H) Refer to Minimums Apt Elev 29' Rwy 24'	
MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Track direct to IKONA and hold.				
Alt Set: hPa		Rwy Elev: 1 hPa	Trans level: FL 130	Trans alt: 11000'
1. RNAV or RNP-1 operation. 2. GNSS, ATC surveillance and DME required.				MSA KAT VOR



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI PAPI 2000' 	IKONA
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743		
MAP at VOR/D0.8 IKW								

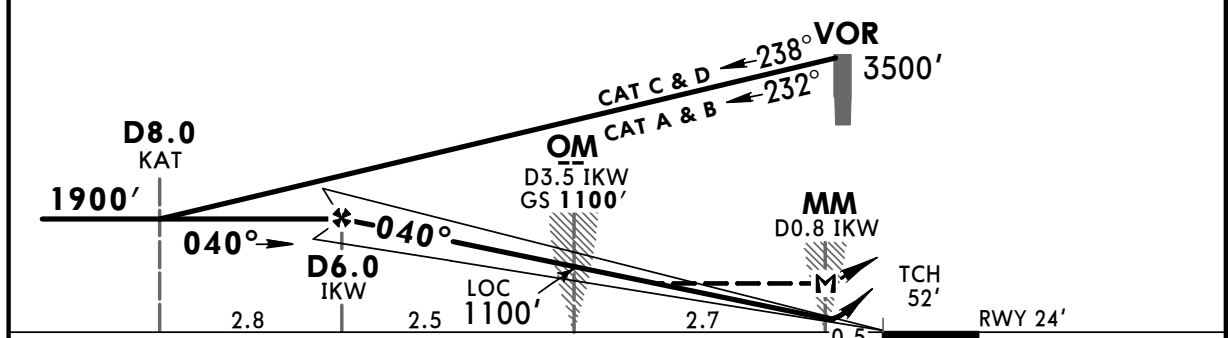
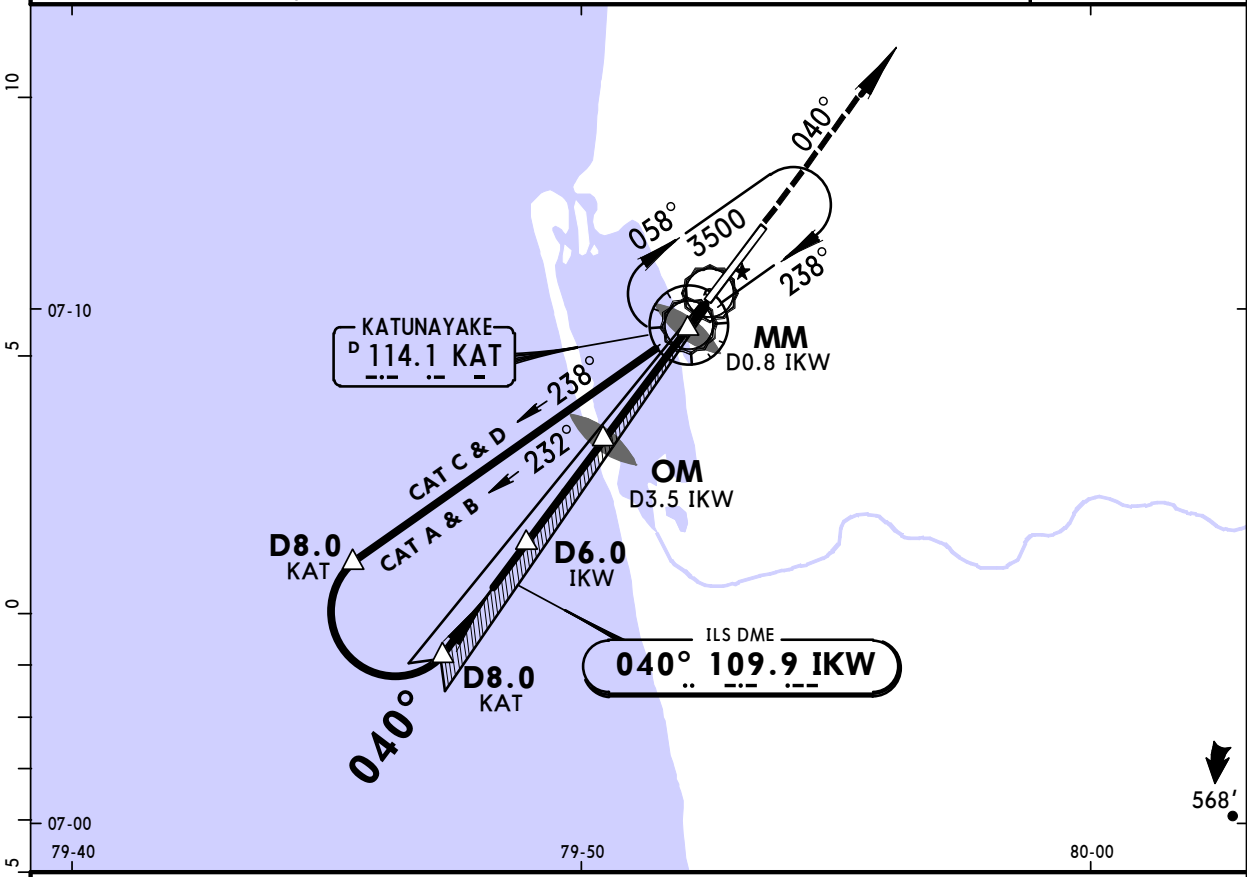
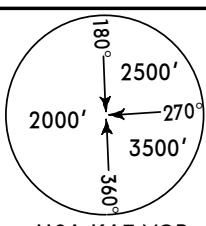
STRAIGHT-IN LANDING RWY 04			
ILS DA(H) A: 234' (210') C: 254' (230') B: 244' (220') D: 264' (240')		LOC (GS out) MDA(H) 380' (356')	
FULL		ALS out	
A			
B	RVR 720m VIS 800m	1200m	RVR 720m VIS 800m
C			RVR 1500m VIS 1600m
D		1200m	2000m

CHANGES: New procedure.

VCBI/CMB BANDARANAIKE INTL COLOMBO

JEPPESEN KATUNAYAKE, SRI LANKA
5 AUG 16
Eff 18 Aug (11-2) ILS Y or LOC Y Rwy 04

ATIS 127.2	COLOMBO Approach (R) 120.9	COLOMBO Director (APP) 120.9 132.4	COLOMBO Tower 118.7	Ground 121.9
LOC IKW 109.9	Final Apch Crs 040°	GS OM 1100' (1076')	ILS DA(H) Refer to Minimums	Apt Elev 29' Rwy 24'
MISSED APCH: Climb on R-040 to 2500' and contact APP.				
Alt Set: hPa		Rwy Elev: 1 hPa		Trans level: FL 130
		Trans alt: 11000'		MSA KAT VOR



Gnd speed-Kts	70	90	100	120	140	160			
ILS GS or									
LOC Descent Angle	3.00°	372	478	531	637	743	849		
MAP at MM/D0.8 IKW								HIALS PAPI PAPI 2500' on 114.1 ↑ R-040	

STRAIGHT-IN LANDING RWY 04			
ILS		LOC (GS out)	
DA(H)	A: 234' (210')	C: 254' (230')	MDA(H) 380' (356')
	B: 244' (220')	D: 264' (240')	
	FULL	ALS out	ALS out
A			
B	RVR 720m	1200m	RVR 1500m
C	VIS 800m		VIS 1600m
D			1200m
			2000m

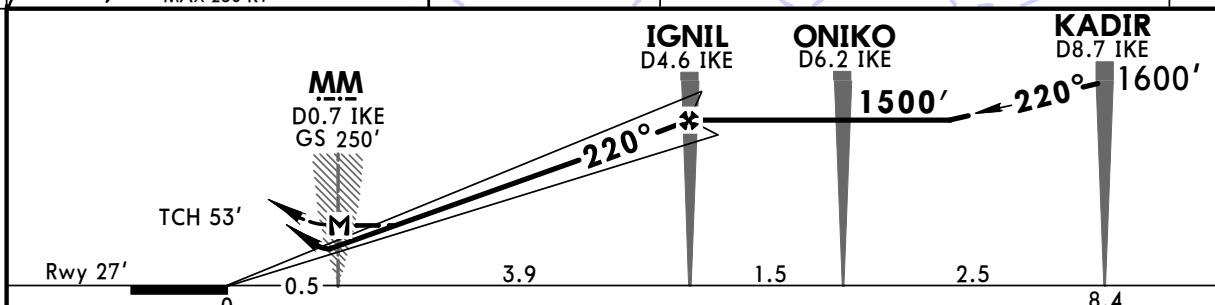
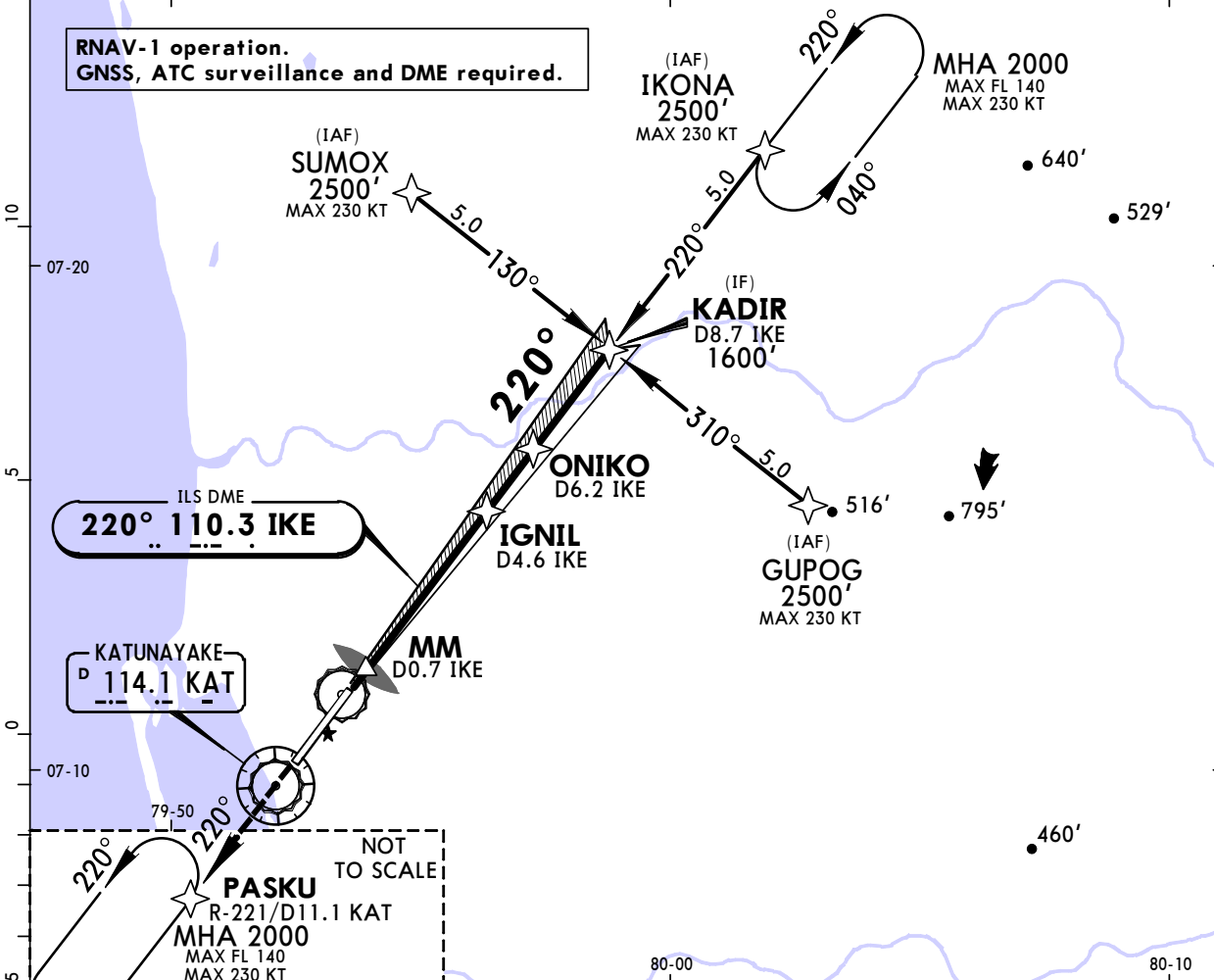
PANS OPS

VCBI/CMB

BANDARANAIKE INTL COLOMBO

JEPPESANKATUNAYAKE, SRI LANKA
 5 AUG 16
Eff 18 Aug (11-3) ILS Z or LOC Z Rwy 22

BRIEFING STRIP™	ATIS 127.2	COLOMBO Approach (R) 120.9	COLOMBO Director (APP) 120.9 132.4	COLOMBO Tower 118.7	Ground 121.9	
	LOC IKE 110.3	Final Apch Crs 220°	GS IGNIL 1500' (1473')	ILS DA(H) Refer to Minimums	Apt Elev 29' Rwy 27'	
MISSED APCH: Climb STRAIGHT AHEAD to 2000'. Track direct to PASKU and hold.						MSA KAT VOR
Alt Set: hPa		Rwy Elev: 1 hPa		Trans level: FL 130		



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI PAPI PAPI	2000' ↑	D → PASKU	
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743				849
MAP at MM/D0.7 IKE										

STRAIGHT-IN LANDING RWY 22					
ILS			LOC (GS out)		
DA(H) C: 240' (213')			MDA(H) 490' (463')		
AB: 230' (203') D: 250' (223')					
FULL		TDZ or CL out	ALS out	ALS out	
A				RVR 720m VIS 800m	RVR 1500m VIS 1600m
B					
C	RVR 550m VIS 800m	RVR 720m VIS 800m	1200m	1200m	2000m
D				RVR 1500m VIS 1600m	2400m

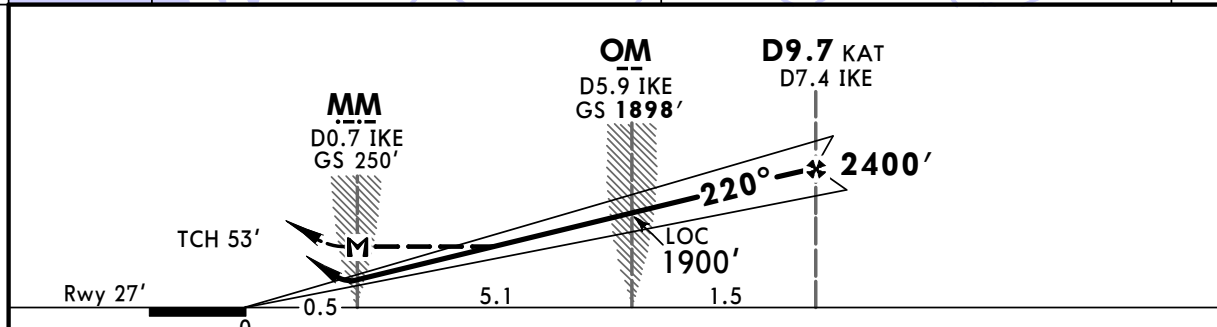
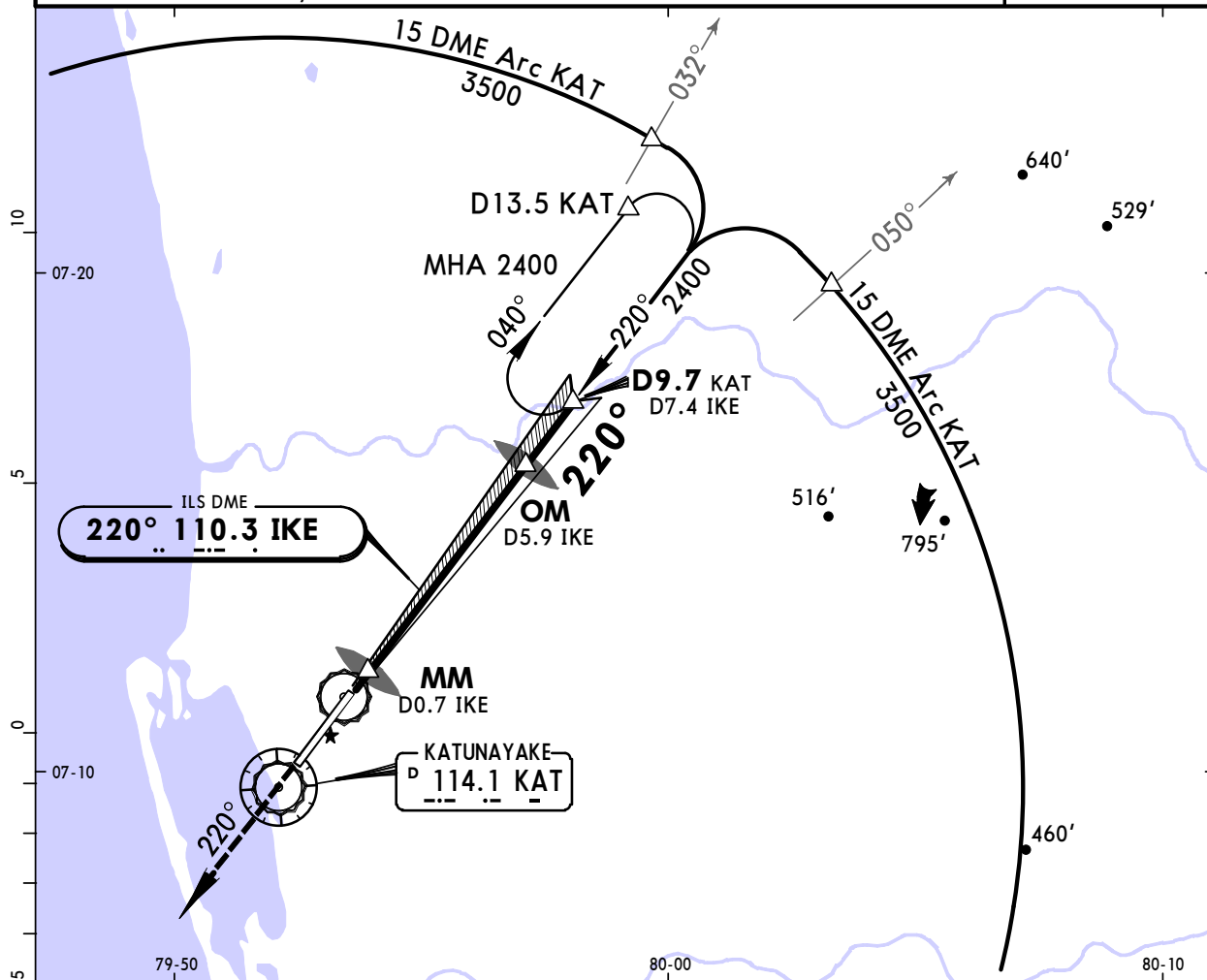
PANS OPS

VCBI/CMB

BANDARANAIKE INTL COLOMBO

JEPPESANKATUNAYAKE, SRI LANKA
 5 AUG 16
Eff 18 Aug (11-4) ILS Y or LOC Y Rwy 22

BRIEFING STRIP™	ATIS 127.2	COLOMBO Approach (R) 120.9	COLOMBO Director (APP) 120.9 132.4	COLOMBO Tower 118.7	Ground 121.9	
	LOC IKE 110.3	Final Apch Crs 220°	GS OM 1898' (1871')	ILS DA(H) Refer to Minimums	Apt Elev 29' Rwy 27'	
	MISSED APCH: Climb STRAIGHT AHEAD to 2500' and contact APP.					
Alt Set: hPa		Rwy Elev: 1 hPa		Trans level: FL 130		Trans alt: 11000'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI PAPI
ILS GS or LOC Descent Angle 3.00°	372	478	531	637	743	849	
MAP at MM/D0.7 IKE							

STRAIGHT-IN LANDING RWY 22					
ILS			LOC (GS out)		
DA(H) AB: 230' (203')		C: 240' (213')		D: 250' (223')	
FULL			MDA(H) 490' (463')		
TDZ or CL out		ALS out		ALS out	
A				RVR 720m VIS 800m	RVR 1500m VIS 1600m
B	RVR 550m VIS 800m	RVR 720m VIS 800m	1200m	1200m	2000m
C				RVR 1500m VIS 1600m	2400m
D					

PANS OPS

VCBI/CMB

JEPPESANKATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

5 AUG 16

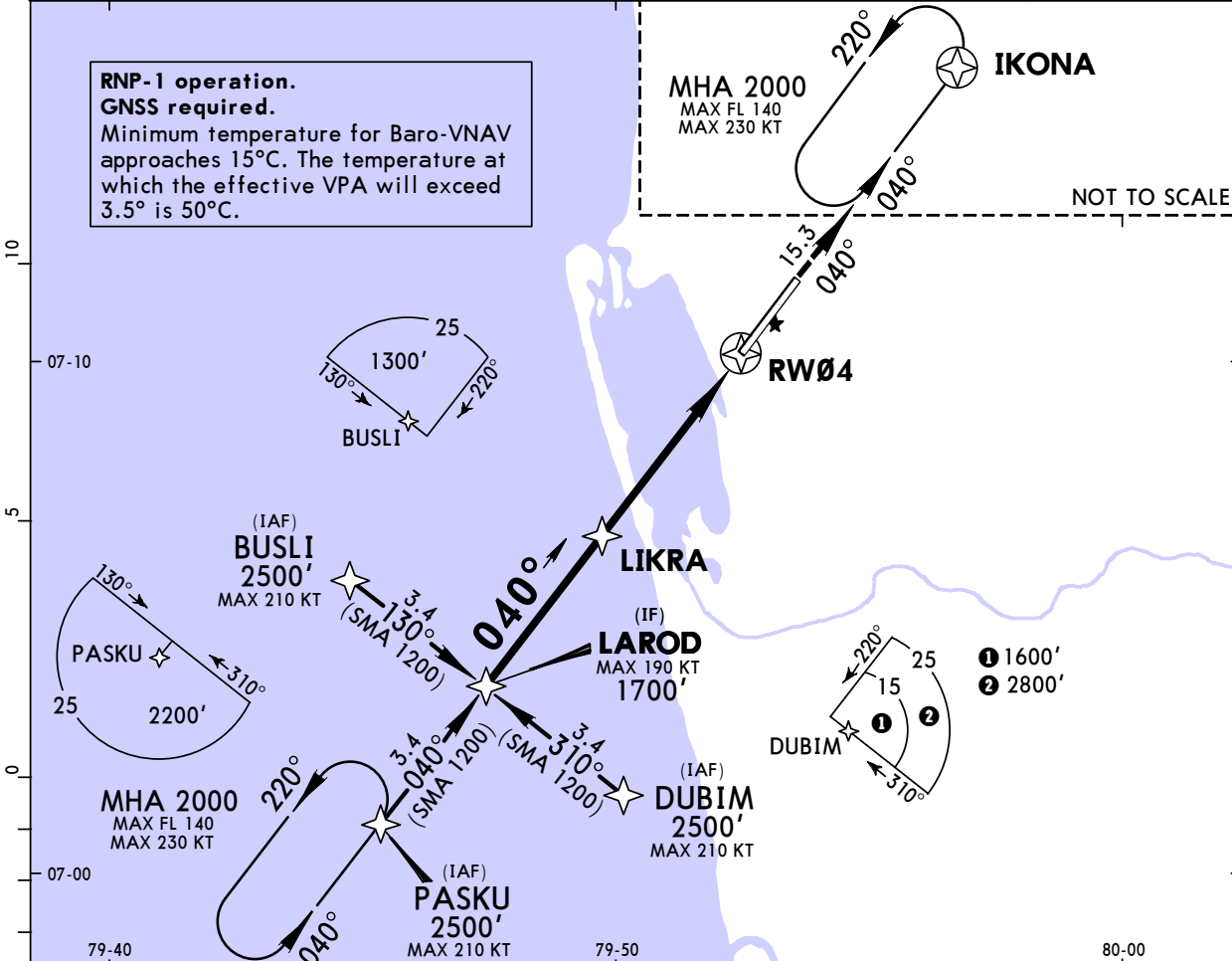
12-1

Eff 18 Aug

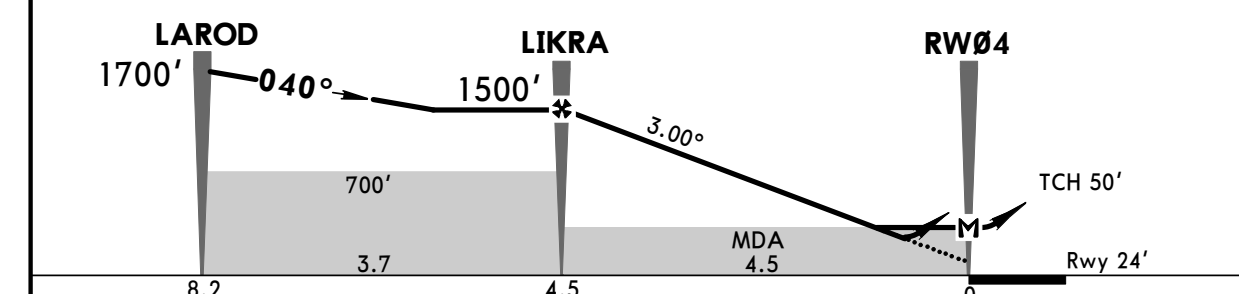
RNP Rwy 04

BRIEFING STRIP™	ATIS	COLOMBO Approach (R)	COLOMBO Director (APP)	COLOMBO Tower	Ground	TAA 25 NM IAF
	127.2	120.9	120.9 132.4	118.7	121.9	
	RNP	Final Apch Crs 040°	Procedure Alt LIKRA 1500' (1476')	RNAV/VNAV DA(H) Refer to Minimums	Apt Elev 29' Rwy 24'	
MISSED APCH: Climb to 2000' on track 040° to IKONA and hold.						
Alt Set: hPa		Rwy Elev: 1 hPa	Trans level: FL 130	Trans alt: 11000'		

RNP-1 operation.
GNSs required.
Minimum temperature for Baro-VNAV approaches 15°C. The temperature at which the effective VPA will exceed 3.5° is 50°C.



DIST to RW04	4.0	3.0	2.0
ALTITUDE	1350'	1030'	720'



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI PAPI 2000' on 040°
Descent Angle	3.00°	372	478	531	637	743	
MAP at RW04							

STRAIGHT-IN LANDING RWY 04			
LNAV/VNAV DA(H) A: 310' (286') C: 340' (316') B: 320' (296') D: 370' (346')		LNAV MDA(H) 570' (546')	
ALS out		ALS out	
A	RVR 720m VIS 800m	RVR 1500m VIS 1600m	RVR 720m VIS 800m
B	RVR 1500m VIS 1600m		RVR 1500m VIS 1600m
C			2400m
D	RVR 1500m VIS 1600m	2000m	2000m

VCBI/CMB

BANDARANAIKE INTL COLOMBO

5 AUG 16

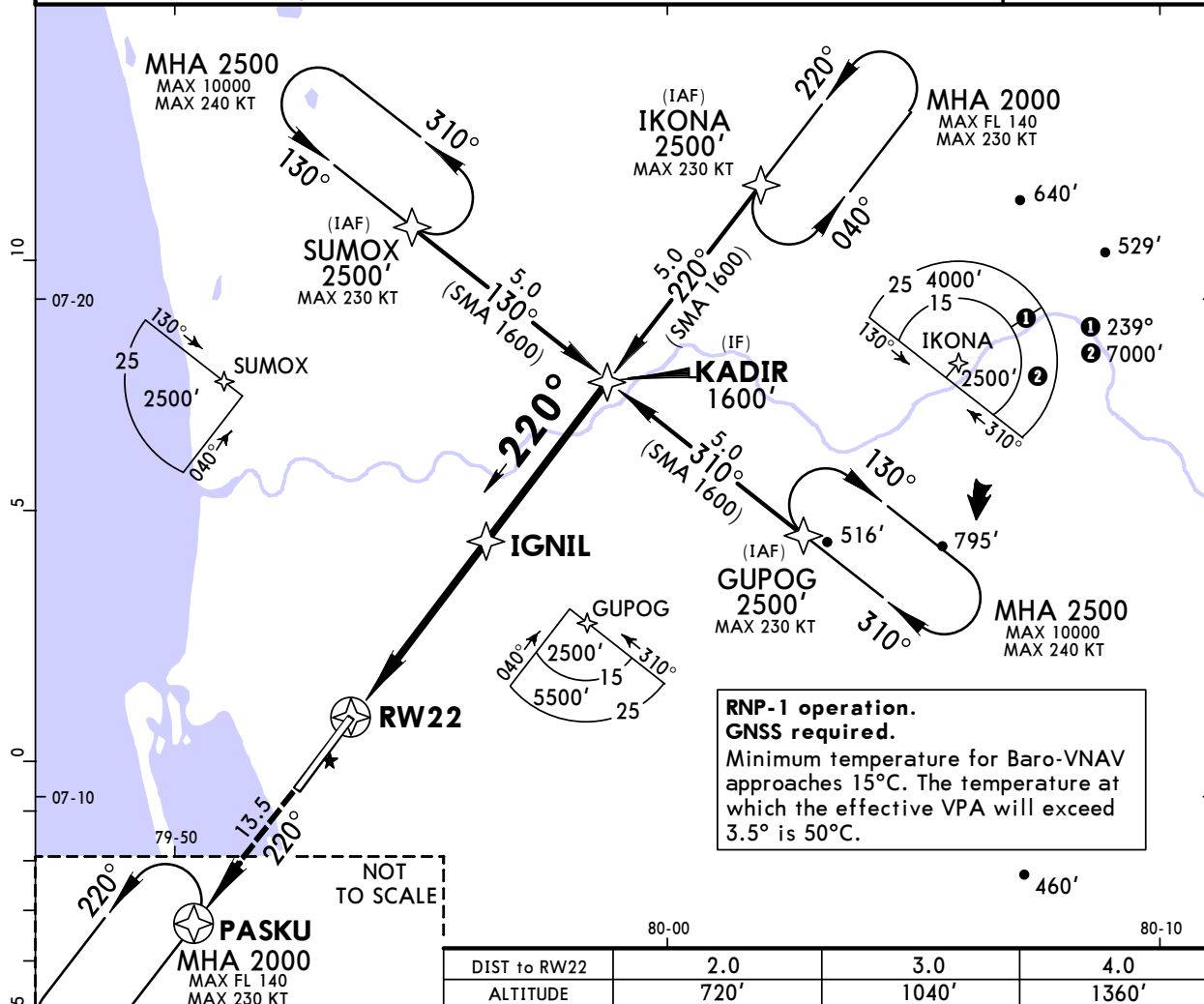
12-2

Eff 18 Aug

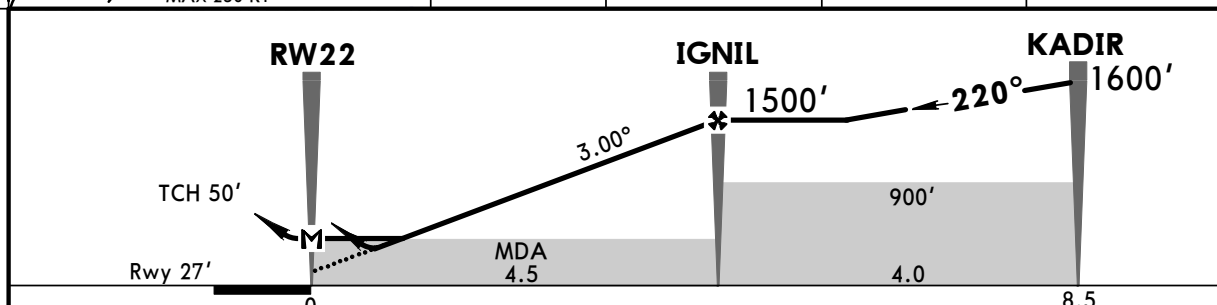
JEPPESEN KATUNAYAKE, SRI LANKA

RNP Rwy 22

BRIEFING STRIP™	ATIS	COLOMBO Approach (R)	COLOMBO Director (APP)	COLOMBO Tower	Ground	TAA 25 NM IAF
	127.2	120.9	120.9 132.4	118.7	121.9	
RNP	Final Apch Crs	Procedure Alt	RNAV/VNAV DA(H) Refer to Minimums	Apt Elev 29'	Rwy 27'	
	220°	1500' (1473')				
MISSED APCH: Climb to 2000' on track 220° to PASKU and hold.						
Alt Set: hPa		Rwy Elev: 1 hPa		Trans level: FL 130		Trans alt: 11000'



RNP-1 operation.
GNSS required.
Minimum temperature for Baro-VNAV approaches 15°C. The temperature at which the effective VPA will exceed 3.5° is 50°C.



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI PAPI 2000' on 220°
Descent Angle	3.00°	372	478	531	637	743	
MAP at RW22							

STRAIGHT-IN LANDING RWY 22			
LNAV/VNAV DA(H) A: 330' (303') C: 380' (353') B: 340' (317') D: 390' (363')		LNAV MDA(H) 570' (543')	
ALS out		ALS out	
A	RVR 720m VIS 800m	RVR 1500m VIS 1600m	RVR 720m VIS 800m
B	RVR 1500m VIS 1600m	2400m	RVR 1500m VIS 1600m
C	2000m	2800m	2000m
D	RVR 1500m VIS 1600m		

PANS OPS

VCBI/CMB

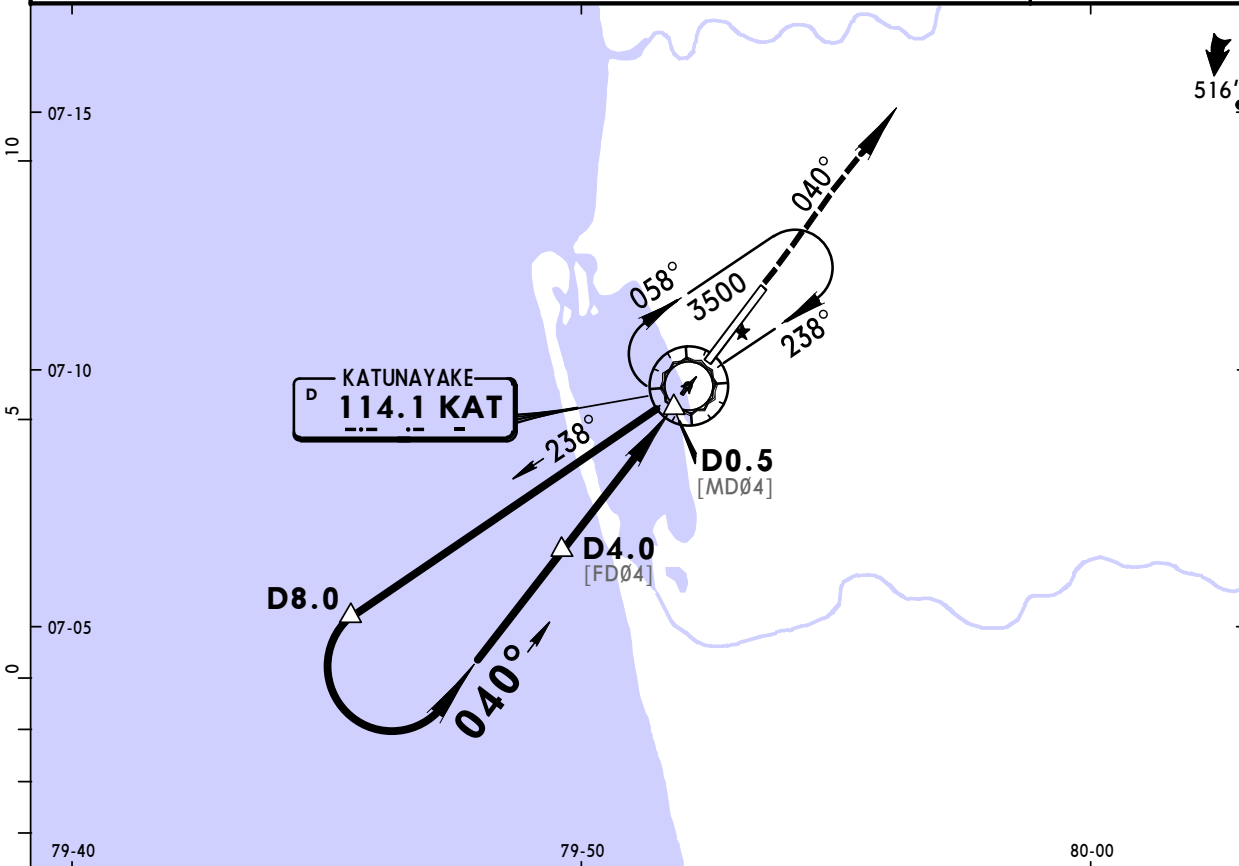


JEPPESEN KATUNAYAKE, SRI LANKA

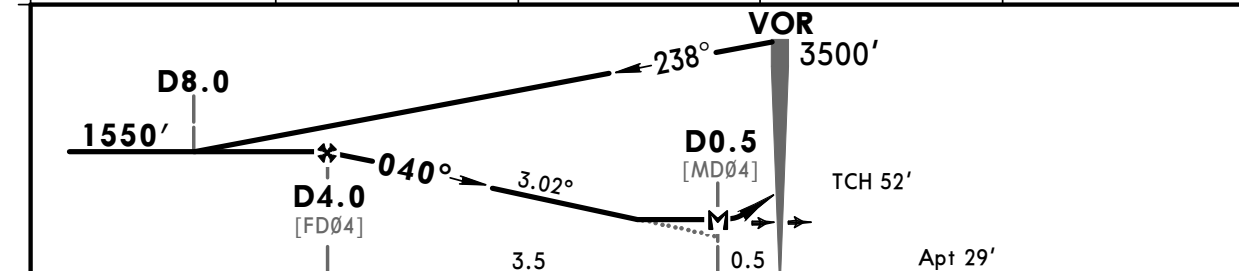
BANDARANAIKE INTL COLOMBO 22 JAN 16 (13-1)

VOR DME Rwy 04

BRIEFING STRIP™	ATIS	COLOMBO Approach (R)	COLOMBO Director (APP)	COLOMBO Tower	Ground
	127.2	120.9	120.9 132.4	118.7	121.9
VOR KAT	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 29'	
114.1	040°	D4.0 1550' (1521')	540' (511')		
MISSED APCH: Climb on R-040 to 2500' and contact APP.					
Alt Set: hPa	Apt Elev: 1 hPa	Trans level: FL 130	Trans alt: 11000'	MSA KAT VOR	



KAT DME	4.0	3.0	2.0	1.0
ALTITUDE	1550'	1230'	910'	600'



Gnd speed-Kts	70	90	100	120	140	160		2500' on 114.1 R-040	
Descent Angle	3.02°	374	481	534	641	748			855
MAP at D0.5									

STRAIGHT-IN LANDING RWY 04		ALS out	
MDA(H) 540' (511')			
A	1400m	2200m	
B			
C	RVR 1500m VIS 1600m	2400m	
D			

VCBI/CMB



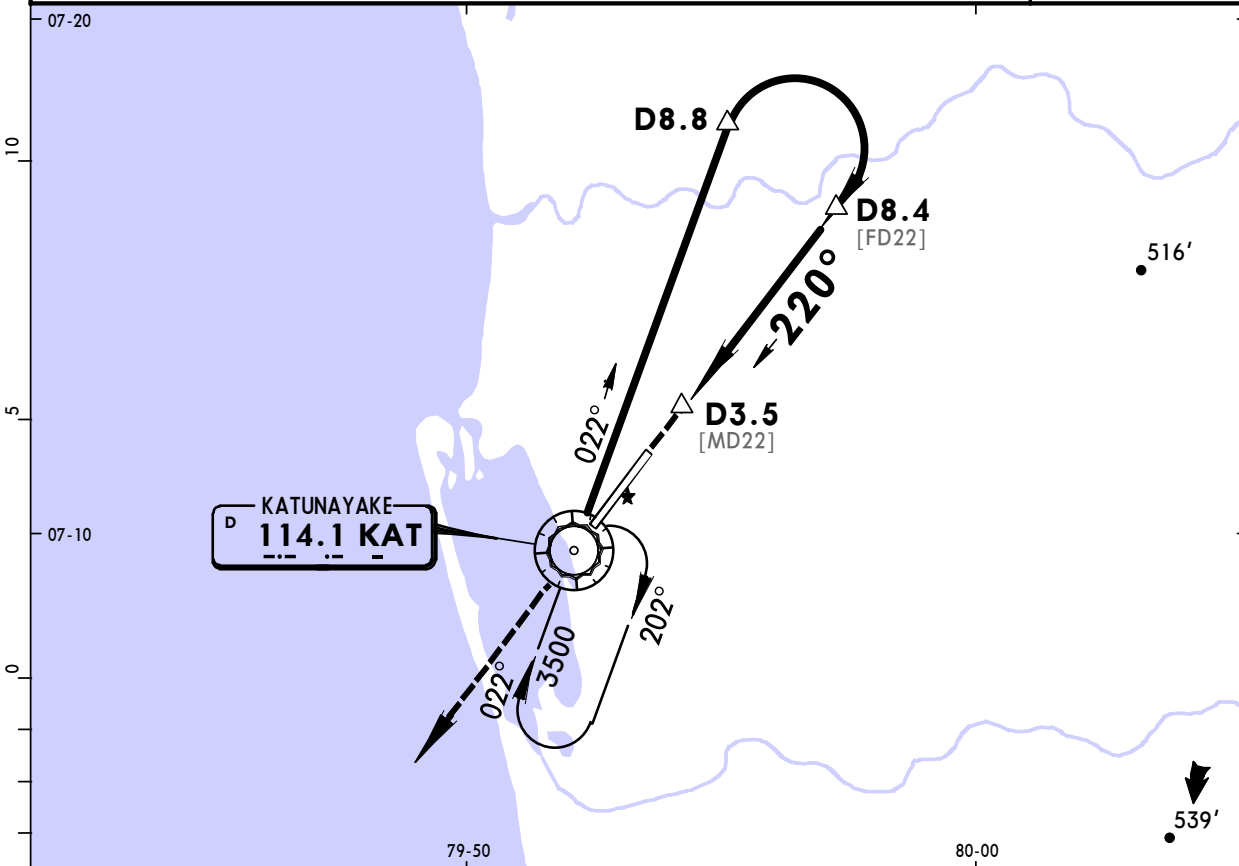
JEPPESEN KATUNAYAKE, SRI LANKA

BANDARANAIKE INTL COLOMBO

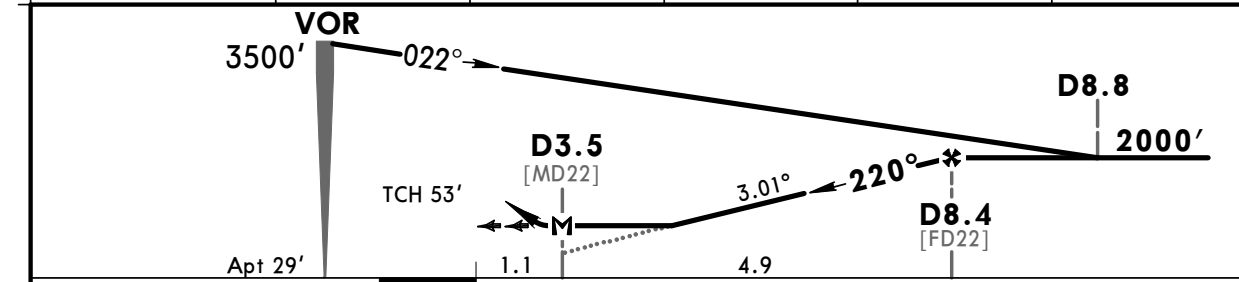
22 JAN 16 (13-2)

VOR DME Rwy 22

BRIEFING STRIP™	ATIS	COLOMBO Approach (R)	COLOMBO Director (APP)	COLOMBO Tower	Ground
	127.2	120.9	120.9 132.4	118.7	121.9
VOR KAT	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 29'	
114.1	220°	D8.4 2000' (1971')	540' (511')		
MISSED APCH: Climb on runway heading to 2500' and contact APP.					
Alt Set: hPa	Apt Elev: 1 hPa	Trans level: FL 130	Trans alt: 11000'	MSA KAT VOR	



KAT DME	4.0	5.0	6.0	7.0	8.4
ALTITUDE	590'	880'	1230'	1550'	2000'



Gnd speed-Kts	70	90	100	120	140	160		2500' on Rwy hdg	
Descent Angle	3.01°	373	479	532	639	745			852
MAP at D3.5									

STRAIGHT-IN LANDING RWY 22		ALS out	
MDA(H) 540' (511')			
A	RVR 720m	RVR 1500m	
B	VIS 800m	VIS 1600m	
C	RVR 1500m	2400m	
D	VIS 1600m		