

CXR-VVCR

1-10

A01

GENERAL

Operational Hours

ATS Hours / AD ADMIN Hours: H24

Airport Information

RFF: CAT 8

Fuel: H12/24 and O/R

PCN: RWY 02/20: 47/R/B/X/T

Customs: H12/24 and O/R

Operation

TWY Restriction

TWY W3 (MIL OPS only) width 15m / 49ft.

TWY AC3 AVBL for ACFT up to A321 and equivalent.

TWY W2, W3, W4, AC3 and P2 (between TWY W1 and W5) HJ only.

Parking

Visual Docking Guidance System (VDGS) AVBL at stands 7 and 8.

ARRIVAL

Arrival Procedure

LDG RWY 20 between SS and SR: Backtrack on the RWY and vacate RWY via TWY W5 or W6.

DEPARTURE

Take-off Minima

RWY		02/20	
All ACFT	ft - m/km	0 - 800v	ALTN: WTS, WDN, WNB and other appropriate ADs
		Applicable LDG MIN	wo TKOF ALTN

06-SEP-2018

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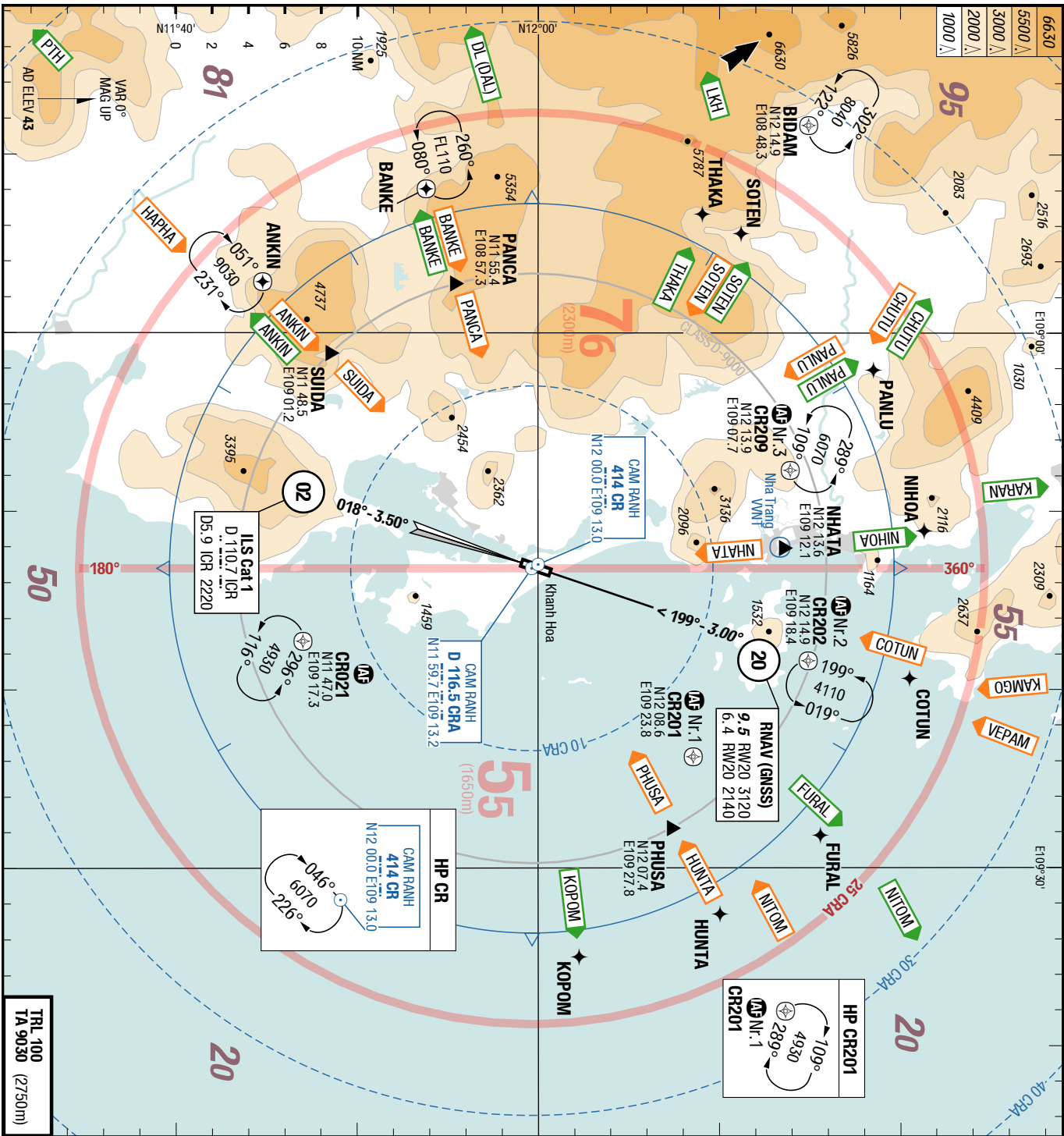
2-10

AGC
AFC

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Ho Chi Minh ACC
Cam Ranh TWR

120.100
118.200
124.350

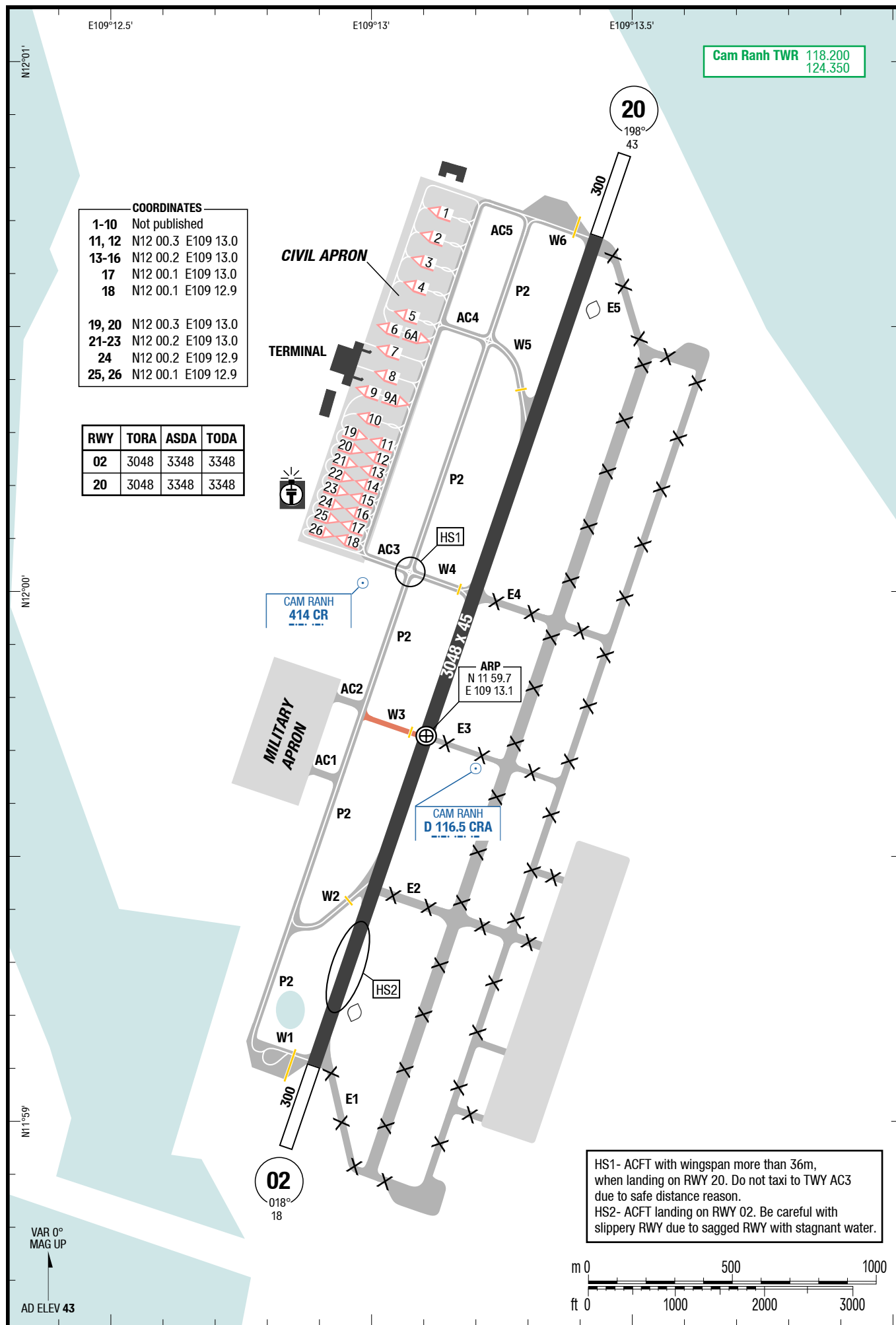
Landing RWY system:

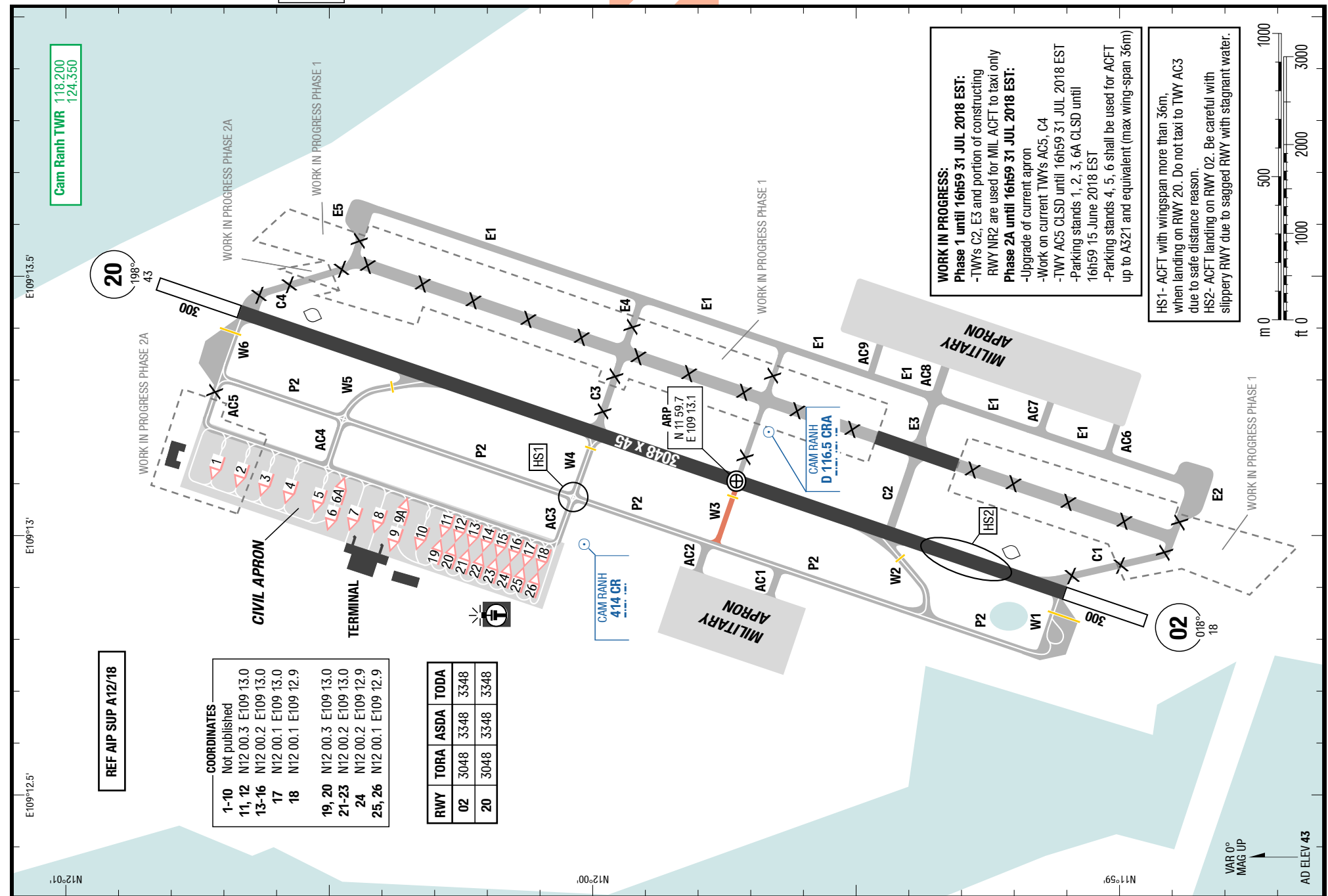
02
HL-S
THR 18 (1hPa) / TDZ
PAPI angle not AVBL
THR 43 (2hPa)
HL-N

60 HL
45 x 3048
PAPI angle not AVBL
THR 43 (2hPa)
HL-N

TRL 100
TA 9030 (2750m)

Changes: Nil





Effective 14-SEP-2017

07-SEP-2017

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RNP SIDs RWY 20

4-10

RNP SIDs RWY 02

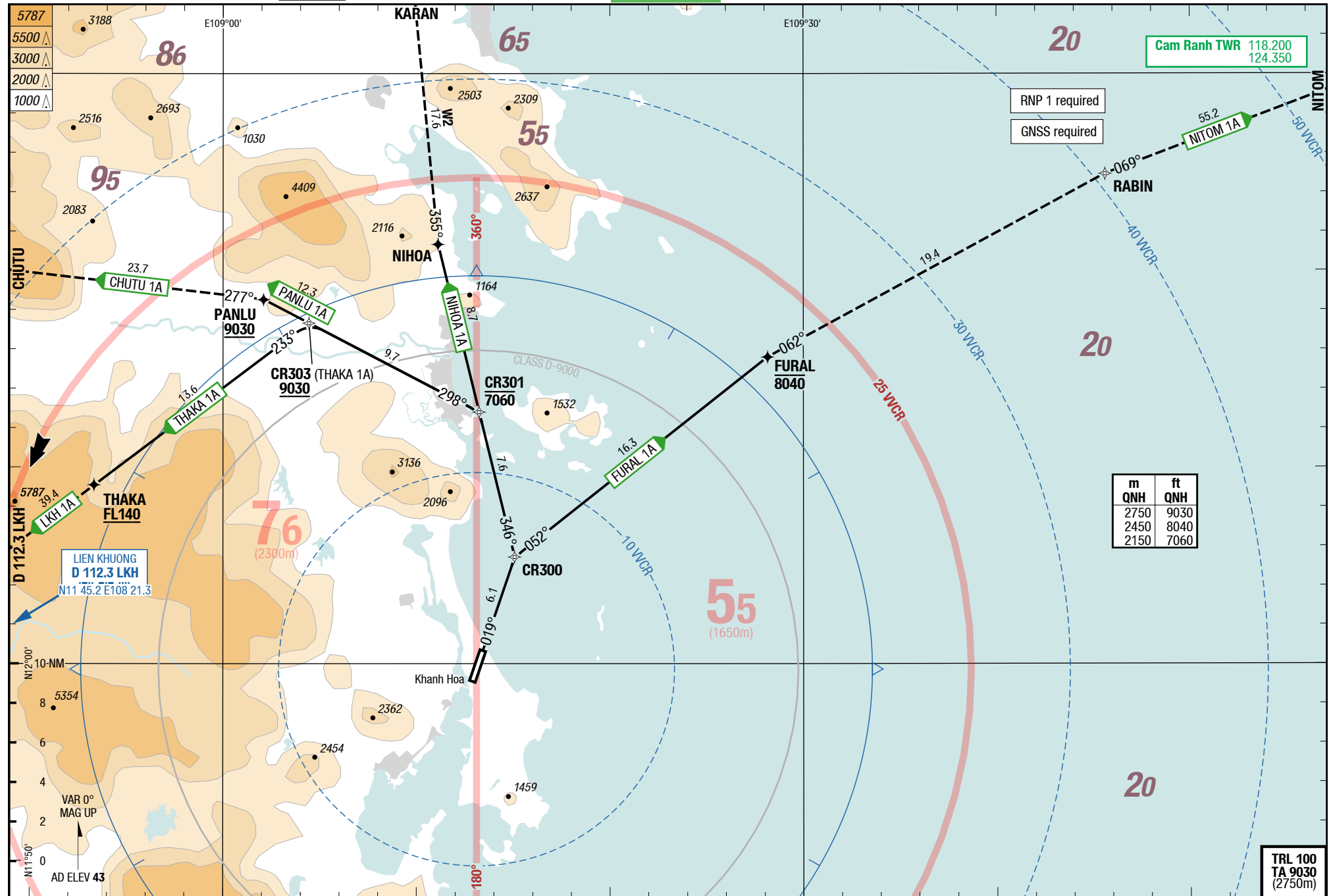
SID

SID

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RNP SIDs RWY 20

RNP SIDs RWY 02



Changes: new

07-SEP-2017

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SID

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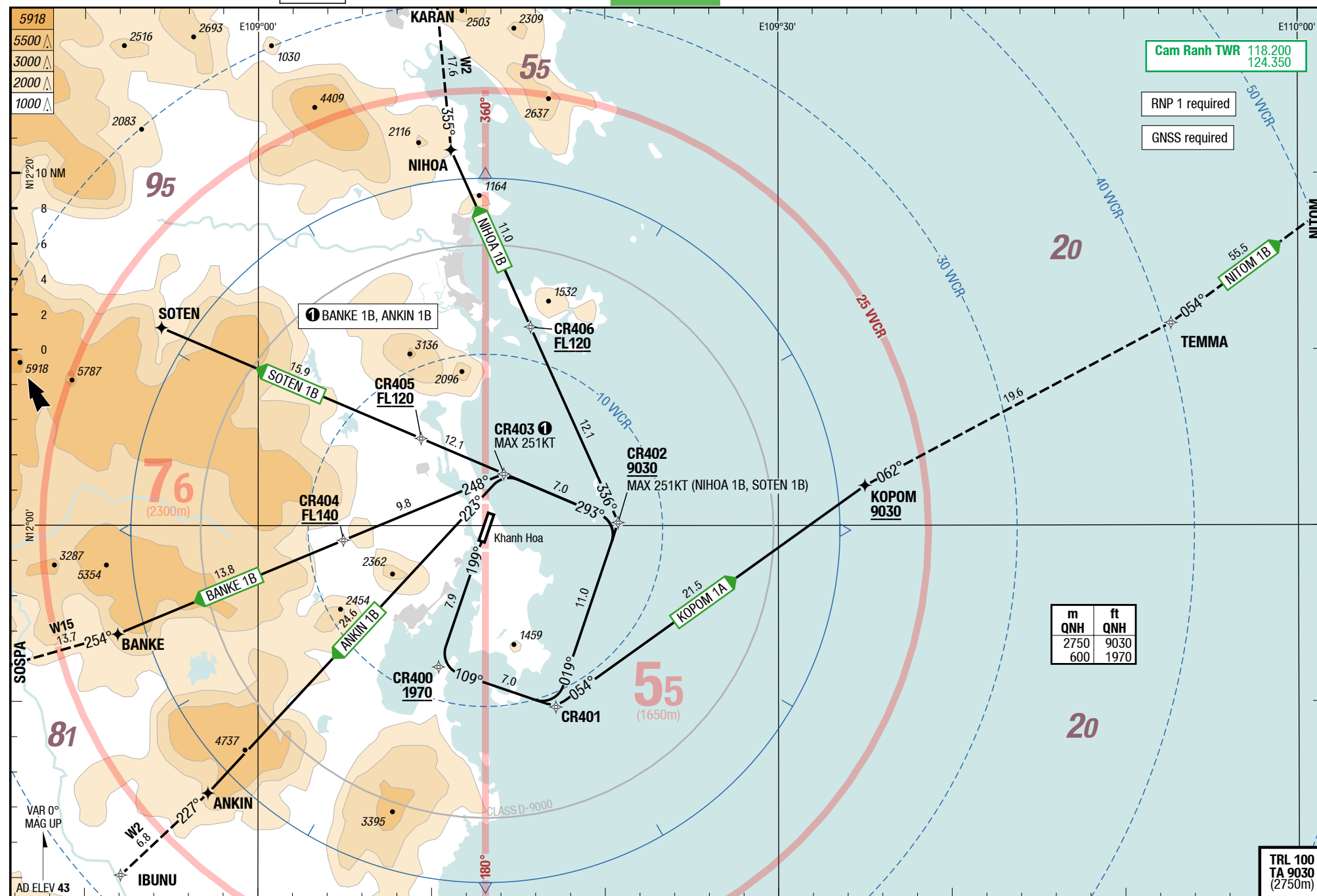
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4-20

RNP SIDs RWY 20

RNP SIDs RWY 20



Changes: new

TRL 100
TA 9030
(2750m)

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SIDs (via VOR)

SID

SID

SIDs (via VOR)

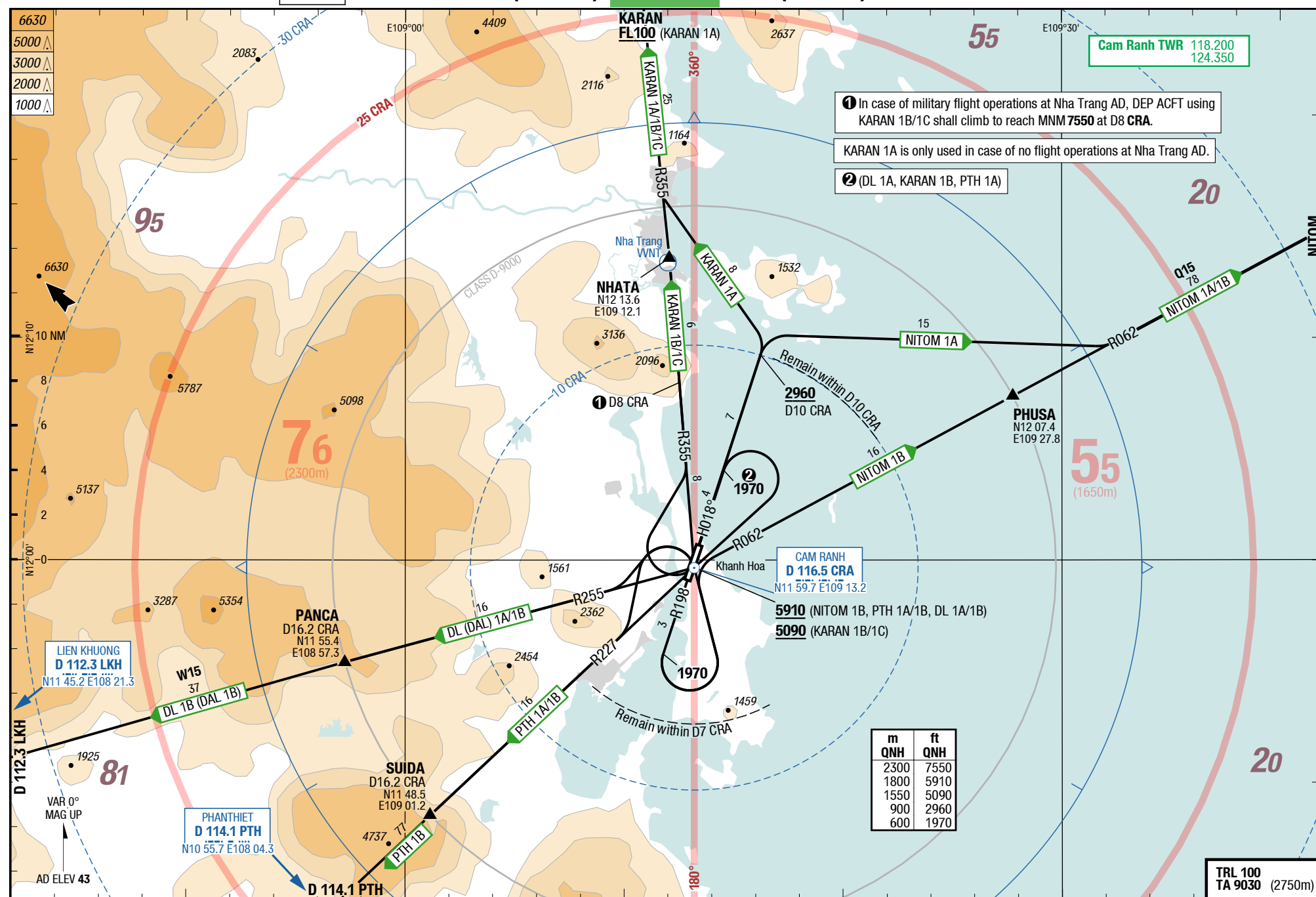
4-30

SIDs (via VOR)

SID

SID

SIDs (via VOR)



Changes: Page Number

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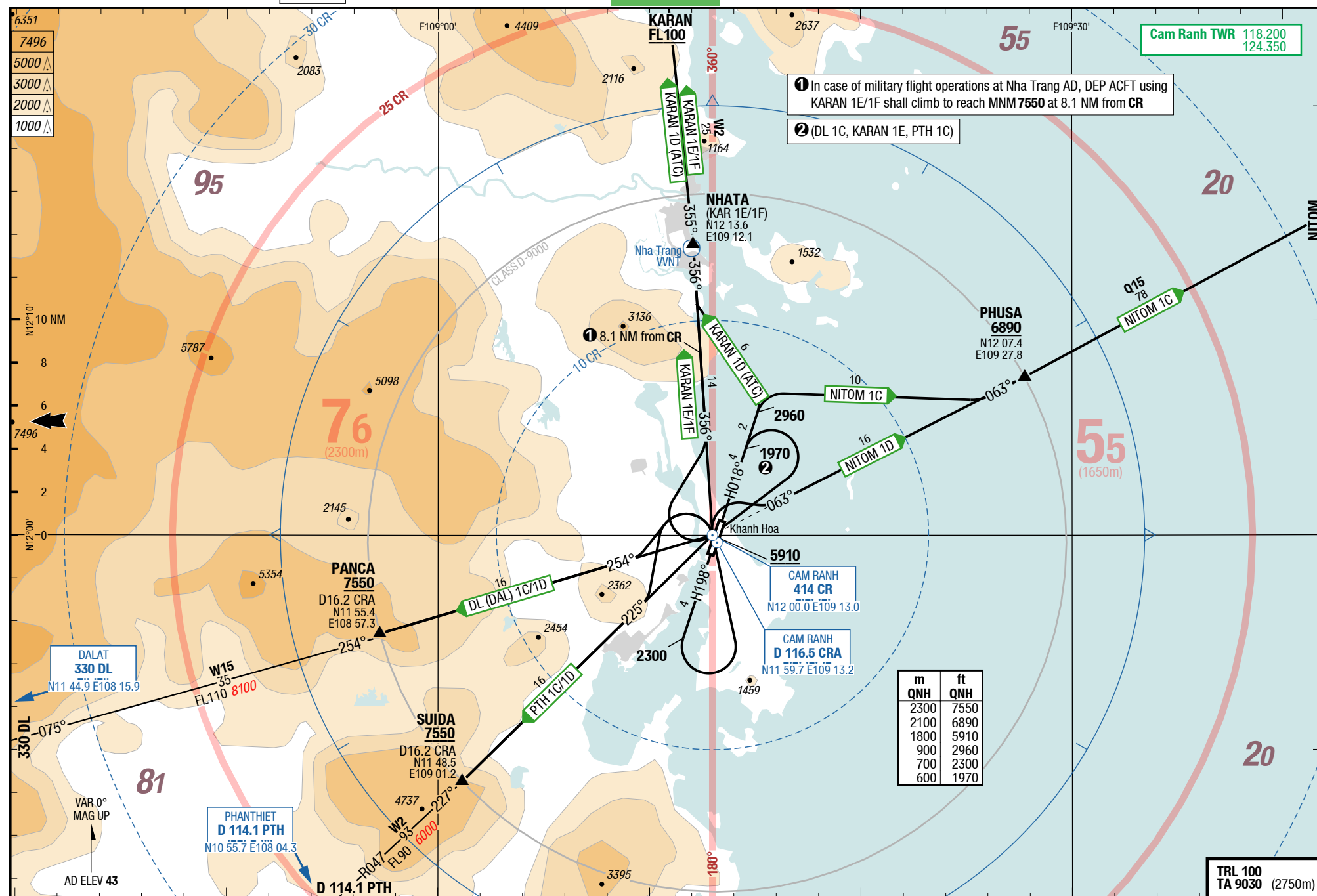
4-40

SIDs (via NDB)

SID

SID

SIDs (via NDB)



CXR-VVCR

5-10

RNP SIDs RWY 02

FURAL 1A / NIHOA 1A / PANLU 1A / THAKA 1A

RWY 02 (018°)

	GS	120	150	180	210	240	270
6.0%	ft/MIN	800	1000	1100	1300	1500	1700
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	Runway 02	
FURAL 1A 118.200	CR300 - FURAL	FURAL MAX 8040
	TRANSITION	
	NITOM 1A FURAL - RABIN - NITOM	FURAL MAX 8040
NIHOA 1A 6.0% to 8040 118.200	CR300 - CR301 - NIHOA	CR301 MAX 7060
PANLU 1A 6.0% to 9030 118.200	CR300 - CR301 - PANLU	CR301 MAX 7060 PANLU MNM 9030
	TRANSITION	
	CHUTU 1A PANLU - CHUTU	PANLU MNM 9030
THAKA 1A 7.0% to FL140 118.200	CR300 - CR301 - CR303 - THAKA	CR301 MAX 7060 CR303 MNM 9030 THAKA MNM FL140
	TRANSITION	
	LIEN KHUONG (LKH 1A) THAKA - LKH	THAKA MNM FL140

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5-20

RNP SIDs RWY 20

ANKIN 1B / BANKE 1B / KOPOM 1A / NIHOA 1B / SOTEN 1B

RWY 20 (198°)

	GS	120	150	180	210	240	270
5.5%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 20	
ANKIN 1B 5.5% to FL140 118.200	CR400 - CR401 - CR402 - CR403 [K251-] - ANKIN	CR400 MNM 1970 CR402 MNM 9030
BANKE 1B 5.5% to FL140 118.200	CR400 - CR401 - CR402 - CR403 [K251-] - CR404 - BANKE	CR400 MNM 1970 CR402 MNM 9030 CR404 MNM FL140
KOPOM 1A 5.5% to 9030 118.200	CR400 - CR401 - KOPOM	CR400 MNM 1970 KOPOM MNM 9030
	TRANSITION	
	NITOM 1B KOPOM - TEMMA - NITOM	KOPOM MNM 9030
NIHOA 1B 5.5% to FL120 118.200	CR400 - CR401 - CR402 [K251-] - CR406 - NIHOA	CR400 MNM 1970 CR402 MNM 9030 CR406 MNM FL120
SOTEN 1B 5.5% to FL120 118.200	CR400 - CR401 - CR402 [K251-] - CR405 - SOTEN	CR400 MNM 1970 CR402 MNM 9030 CR405 MNM FL120

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SIDs (via VOR)

DALAT 1A / KARAN 1A / KARAN 1B / NITOM 1A / PHANTHIE 1A

RWY 02 (018°)

	GS	120	150	180	210	240	270
5.5%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 02	
DALAT 1A DL 1A (DAL 1A) 5.5% to 5910 118.200	RWY HDG - at 1970 RT (within D10 CRA) to CRA - R255 CRA to PANCA	CRA MNM 5910
KARAN 1A KAR 1A 5.5% to 7550 118.200 ①	RWY HDG - at D10 CRA LT intercept R355 CRA to KARAN	D10 CRA MNM 2960 KARAN MNM FL100
KARAN 1B KAR 1B 5.5% to 7550 118.200 ②	RWY HDG - at 1970 RT (within D10 CRA) to CRA - R355 CRA to NHATA - KARAN	CRA MNM 5090
NITOM 1A NIT 1A 5.5% to 2960 118.200	RWY HDG - at D10 CRA RT intercept R062 CRA to NITOM	D10 CRA MNM 2960
PHANTHIE 1A PTH 1A 5.5% to 5910 118.200	RWY HDG - at 1970 RT (within D10 CRA) to CRA - R227 CRA to SUIDA	CRA MNM 5910

① KARAN 1A is only used in case of no flight operations at Nha Trang AD.

② In case of military flight operations at Nha Trang AD, DEP ACFT using KARAN 1B/1C shall climb to reach MNM 7550ft at D8 CRA

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SIDs (via VOR)

DALAT 1B / KARAN 1C / NITOM 1B / PHANTHIEP 1B

RWY 20 (198°)

	GS	120	150	180	210	240	270
5.8%	ft/MIN	800	900	1100	1300	1500	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 20	
DALAT 1B DL 1B (DAL 1B) 5.8% to 5910 118.200	R198 CRA - at 1970 LT (within D7 CRA) to CRA - R255 CRA to PANCA - LKH	CRA MNM 5910
KARAN 1C KAR 1C 5.8% to 7550 118.200 ①	R198 CRA - at 1970 LT (within D7 CRA) to CRA - R355 CRA to NHATA - KARAN	CRA MNM 5090
NITOM 1B NIT 1B 5.8% to 5910 118.200	R198 CRA - at 1970 LT (within D7 CRA) to CRA - R062 CRA to PHUSA - NITOM	CRA MNM 5910
PHANTHIEP 1B PTH 1B 5.8% to 5910 118.200	R198 CRA - at 1970 LT (within D7 CRA) to CRA - R227 CRA to SUIDA - PTH	CRA MNM 5910

① In case of military flight operations at Nha Trang AD, DEP ACFT using KARAN 1B/1C shall climb to reach MNM 7550ft at D8 CRA

CXR-VVCR

5-50

SIDs (via NDB)

DALAT 1C / KARAN 1D / KARAN 1E / NITOM 1C / PHANTHIE 1C

RWY 02 (018°)

	GS	120	150	180	210	240	270
5.5%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 02	
DALAT 1C DL 1C (DAL 1C) 5.5% to 7550 118.200	RWY HDG - at 1970 RT to CR - QDR 254 CR to PANCA - join AWY W15	CR MNM 5910 PANCA MNM 7550
KARAN 1D KAR 1D (ATC) 5.5% to 7550 118.200	RWY HDG - at 2960 LT join AWY W2 to KARAN	KARAN MNM FL100
KARAN 1E KAR 1E 5.5% to 7550 118.200 ①	RWY HDG - at 1970 RT to CR - RT follow QDR 356 CR to NHATA - join AWY W2 to KARAN	CR MNM 5910 KARAN MNM FL100
NITOM 1C NIT 1C 5.5% to 6890 118.200	RWY HDG - at 2960 RT join AWY Q15 via PHUSA - NITOM	PHUSA MNM 6890
PHANTHIE 1C PTH 1C 5.5% to 7550 118.200	RWY HDG - at 1970 RT to CR - QDR 225 CR to SUIDA - join AWY W2	CR MNM 5910 SUIDA MNM 7550

① In case of military flight operations at Nha Trang AD, DEP ACFT using KARAN 1E/1F shall climb to reach MNM 7550ft at 8.1NM from CR

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SIDs (via NDB)

DALAT 1D / KARAN 1F / NITOM 1D / PHANTHIE 1D

RWY 20 (198°)

	GS	120	150	180	210	240	270
5.8%	ft/MIN	800	900	1100	1300	1500	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 20	
DALAT 1D DL 1D (DAL 1D) 5.8% to 7550 118.200	RWY HDG - at 2300 LT to CR - LT follow QDR 254 CR to PANCA - join AWY W15	CR MNM 5910 PANCA MNM 7550
KARAN 1F KAR 1F 5.8% to 7550 118.200 ①	RWY HDG - at 2300 LT to CR - QDR 356 CR to NHATA - join AWY W2 to KARAN	CR MNM 5910 KARAN MNM FL100
NITOM 1D NIT 1D 5.8% to 6890 118.200	RWY HDG - at 2300 LT to CR - RT follow QDR 063 CR to PHUSA - join AWY Q15	CR MNM 5910 PHUSA MNM 6890
PHANTHIE 1D PTH 1D 5.8% to 7550 118.200	RWY HDG - at 2300 LT to CR - LT follow QDR 225 CR to SUIDA - join AWY W2	CR MNM 5910 SUIDA MNM 7550

① In case of military flight operations at Nha Trang AD, DEP ACFT using KARAN 1E/1F shall climb to reach MNM 7550ft at 8.1NM from CR

Effective 26-APR-2018

19-APR-2018

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RNP STARs RWY 20

6-10

RNP STARs RWY 02

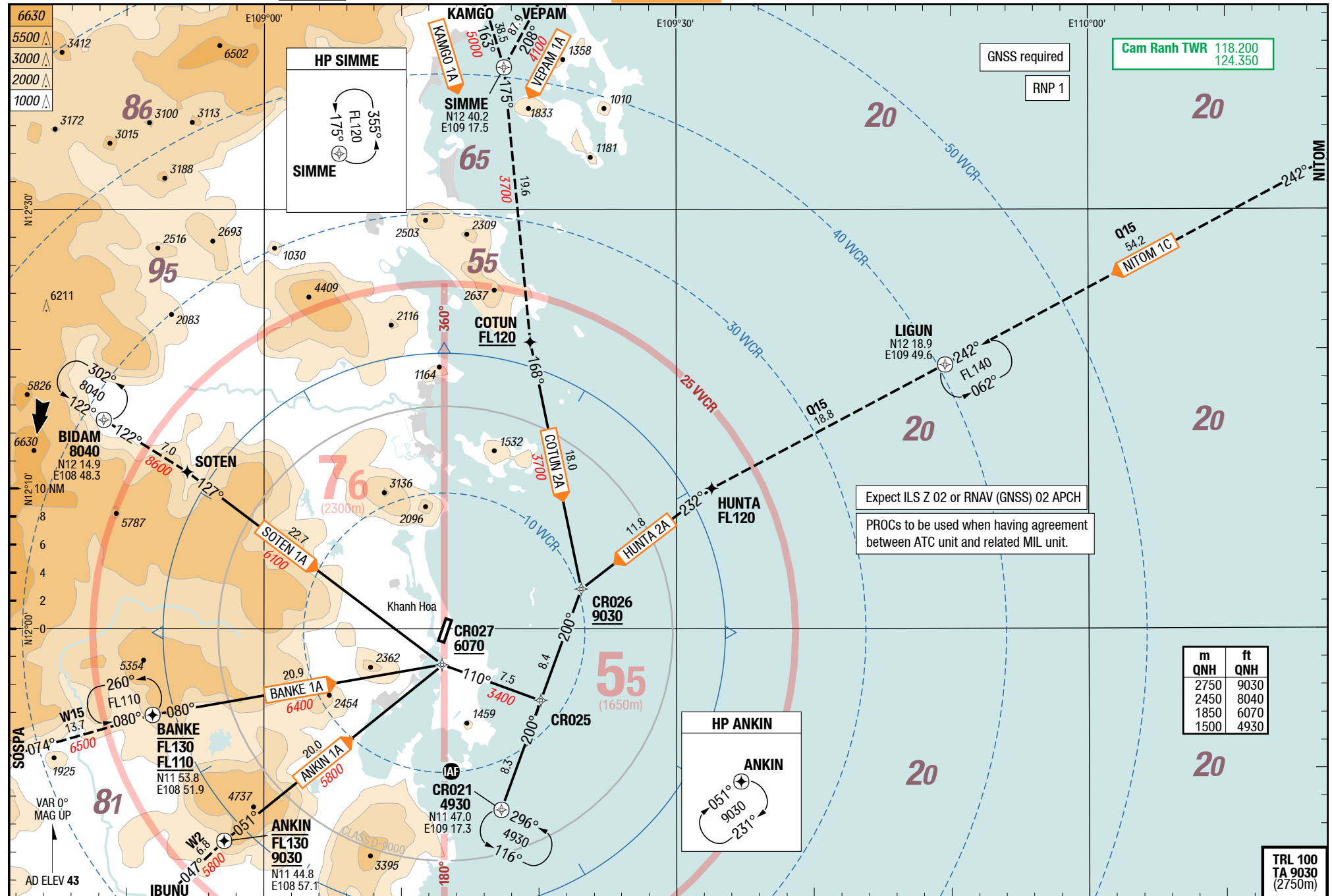
STAR

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RNP STARs RWY 20

RNP STARs RWY 02



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6-20

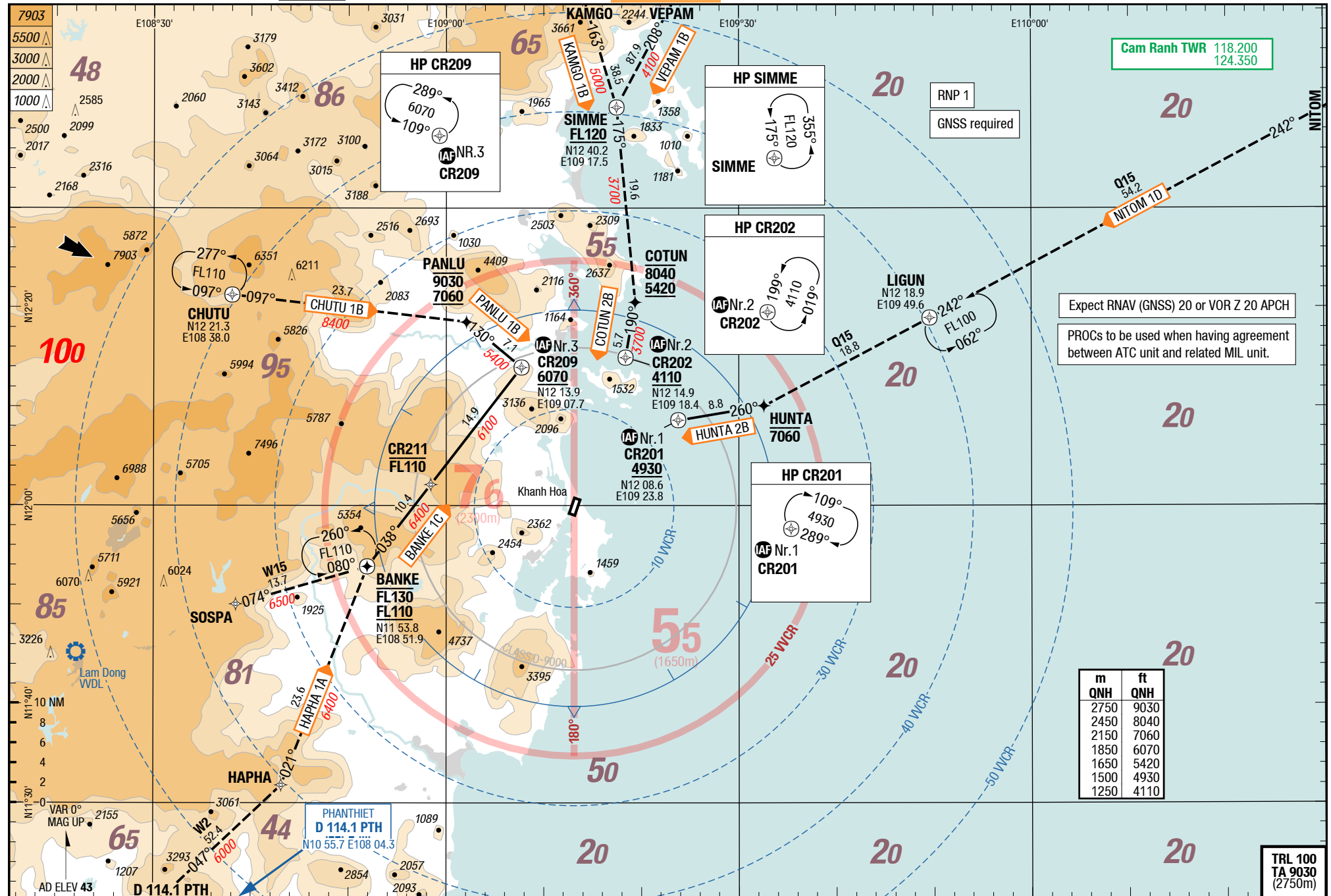
RNP STARs RWY 20

STAR

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RNP STARs RWY 20



Changes: OBST, PROC renumbered, Note, Transition

07-SEP-2017

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STARs RWY 20 (via VOR)

STARs RWY 02

6-30

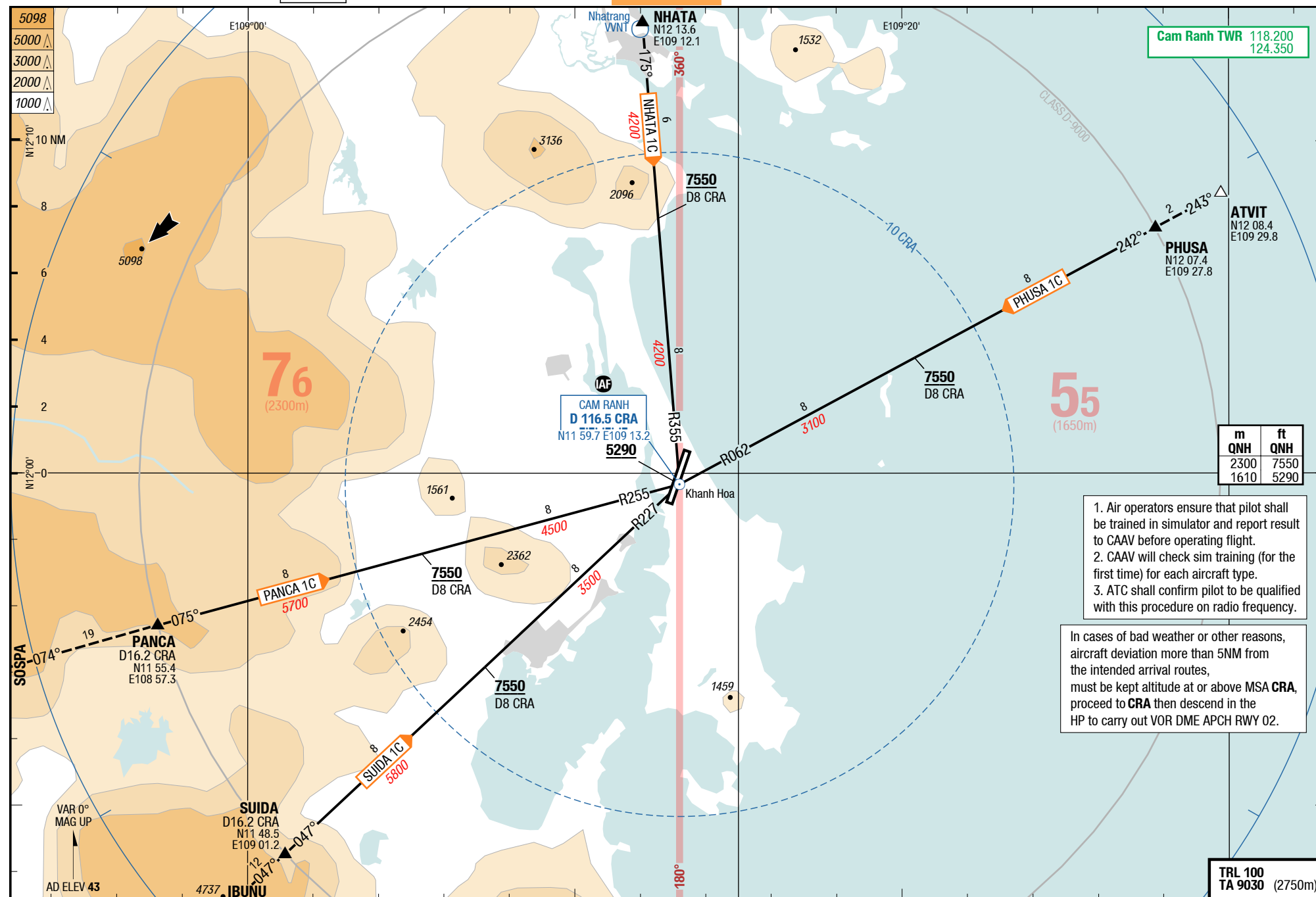
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STARs RWY 20 (via VOR)

STARs RWY 02



Effective 14-SEP-2017

07-SEP-2017

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6-40

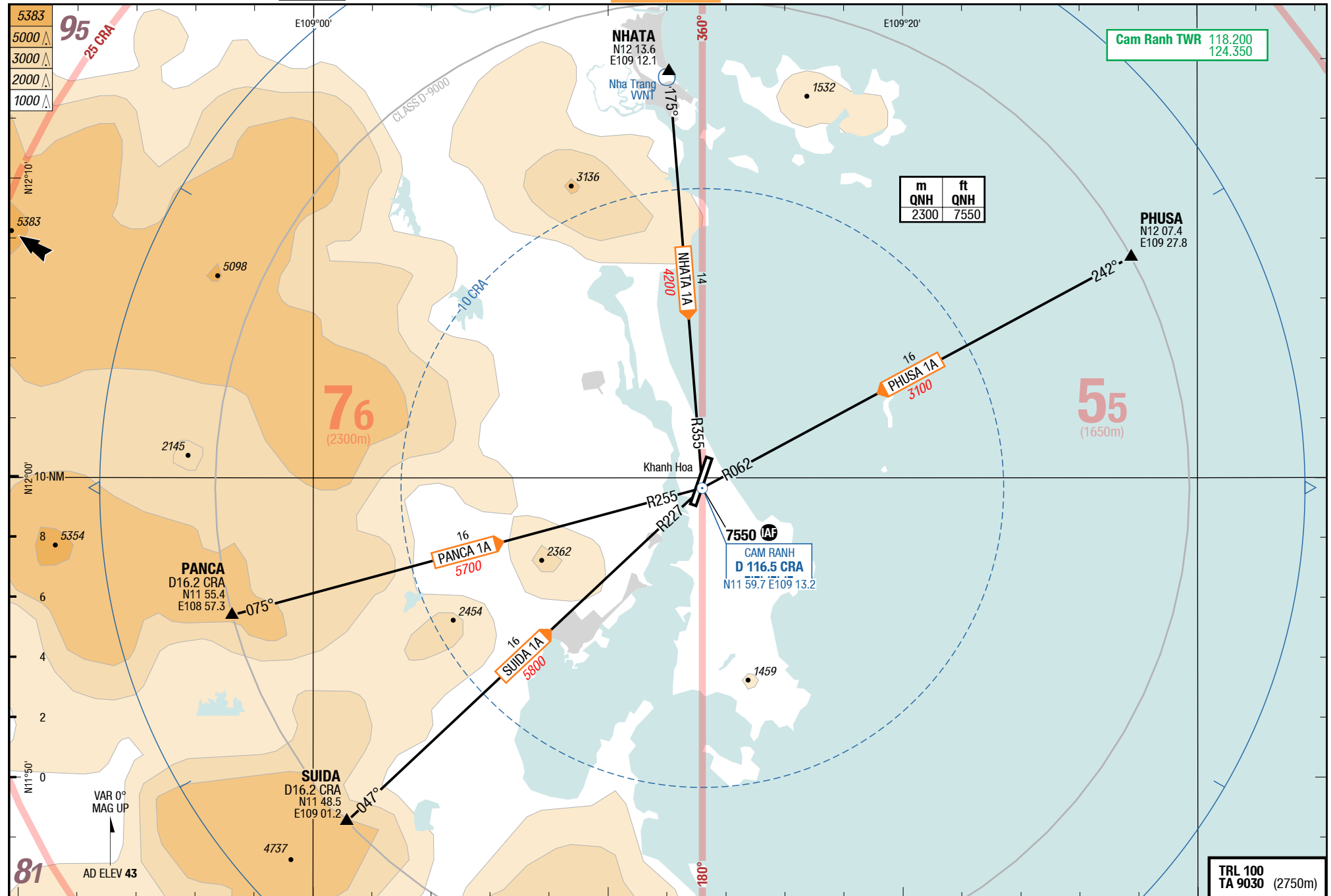
STARs RWY 20 (via VOR)

STAR

STAR

Cam Ranh Intl Khanh Hoa Vietnam

STARs RWY 20 (via VOR)



Effective 14-SEP-2017

07-SEP-2017

CXR-VVCR

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NIL

6-50

STARs RWY 20 (via NDB)

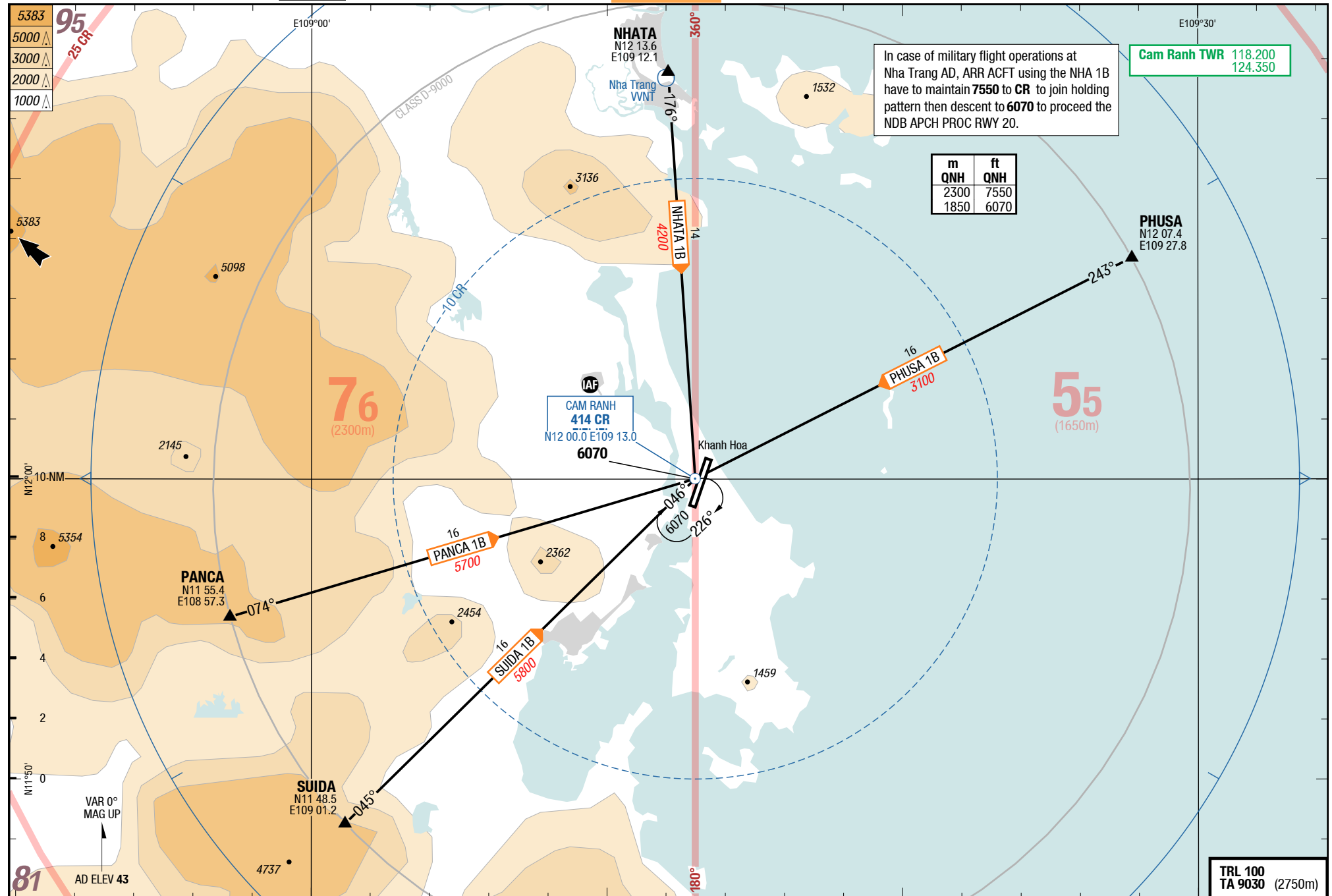
STAR

STAR

Cam Ranh Intl Khanh Hoa Vietnam

NIL

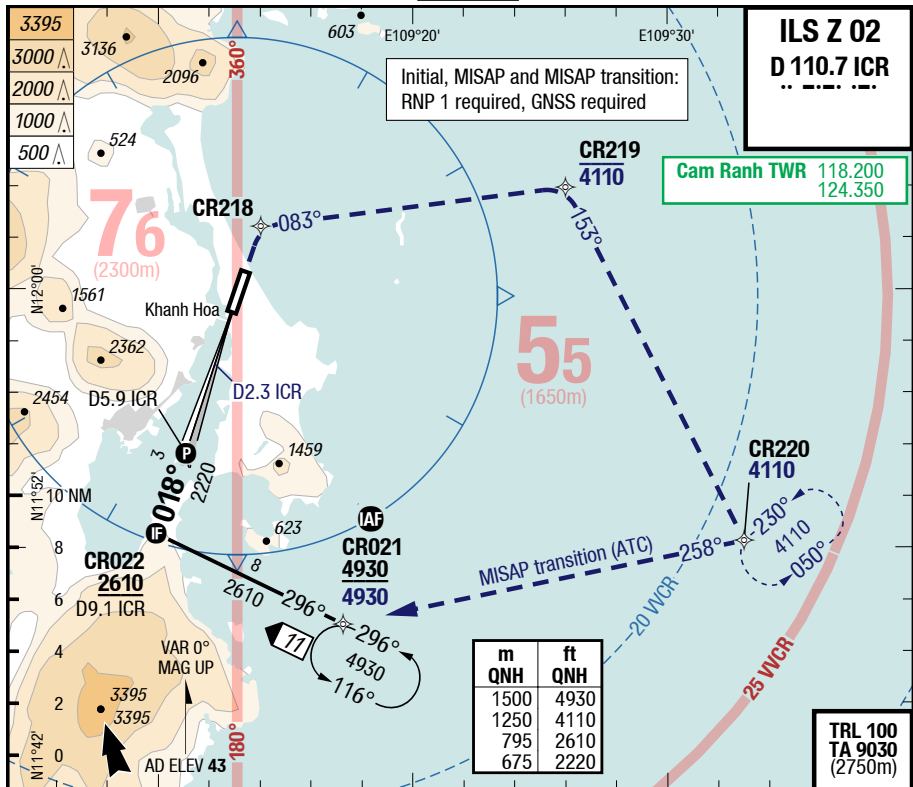
STARs RWY 20 (via NDB)



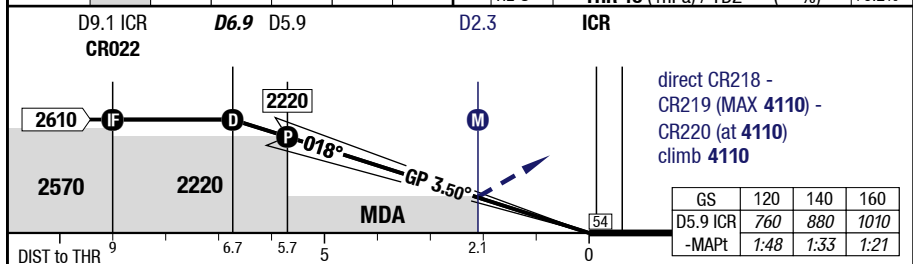
CXR-VVCR

7-10

ILS Z 02



LOC 3.56°	6.9	6	5	4	3	02	PAPI angle not AVBL 60 HL
D ICR	2610	2280	1910	1530	1150	HL-S	THR 18 (1hPa) / TDZ --- (---%) +0.2%



02	Cat 1 DME ¹⁾	LOC DME				Circling E of RWY only
C	ft - m/km ft C 350 - 1.6V 340	C 860 - 3.8V 860				C 1810 - 5.0V 1810
D	ft - m/km ft C 370 - 1.6V 350	C 860 - 3.8V 860				C 1810 - 5.0V 1810

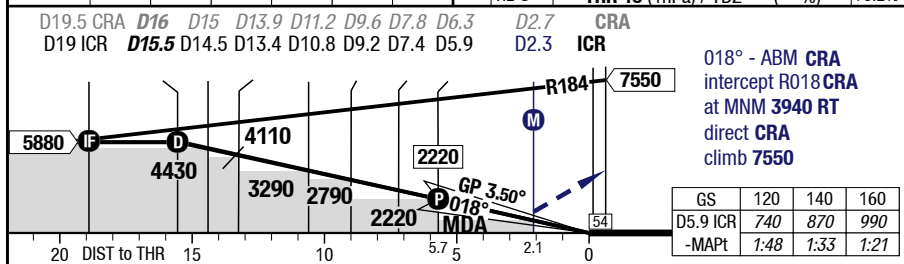
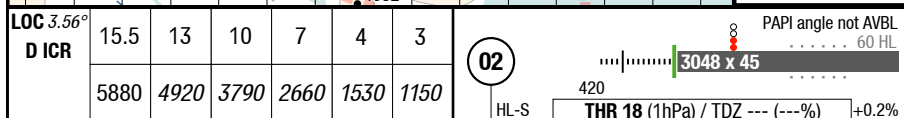
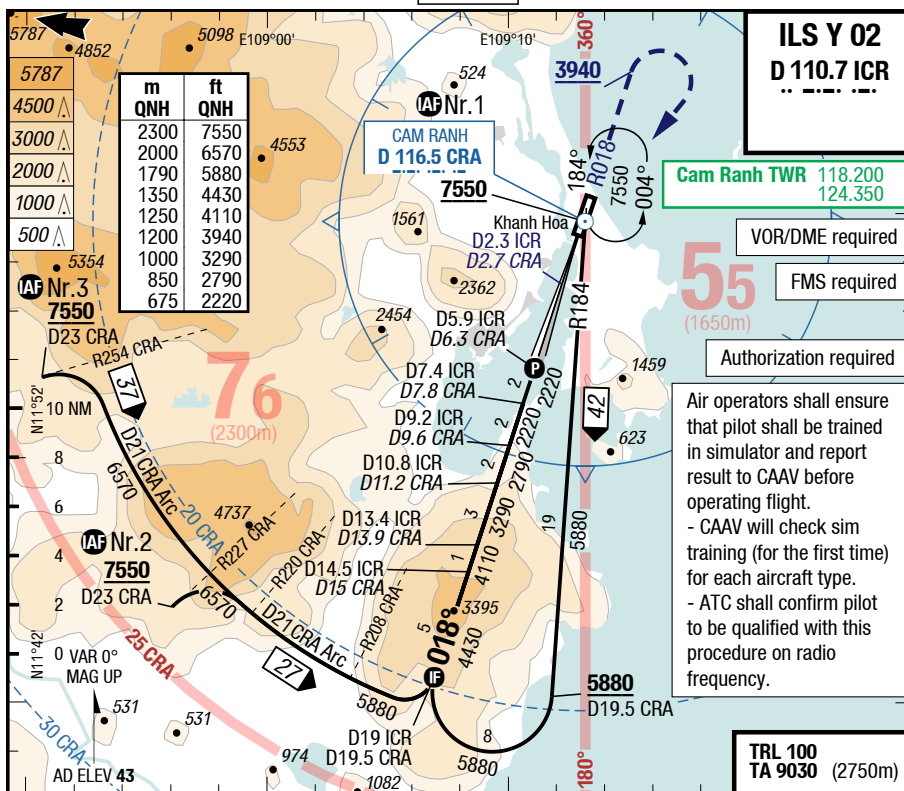
1) With EVS VIS 1.1km

Changes: new

CXR-VVCR

7-20

ILS Y 02



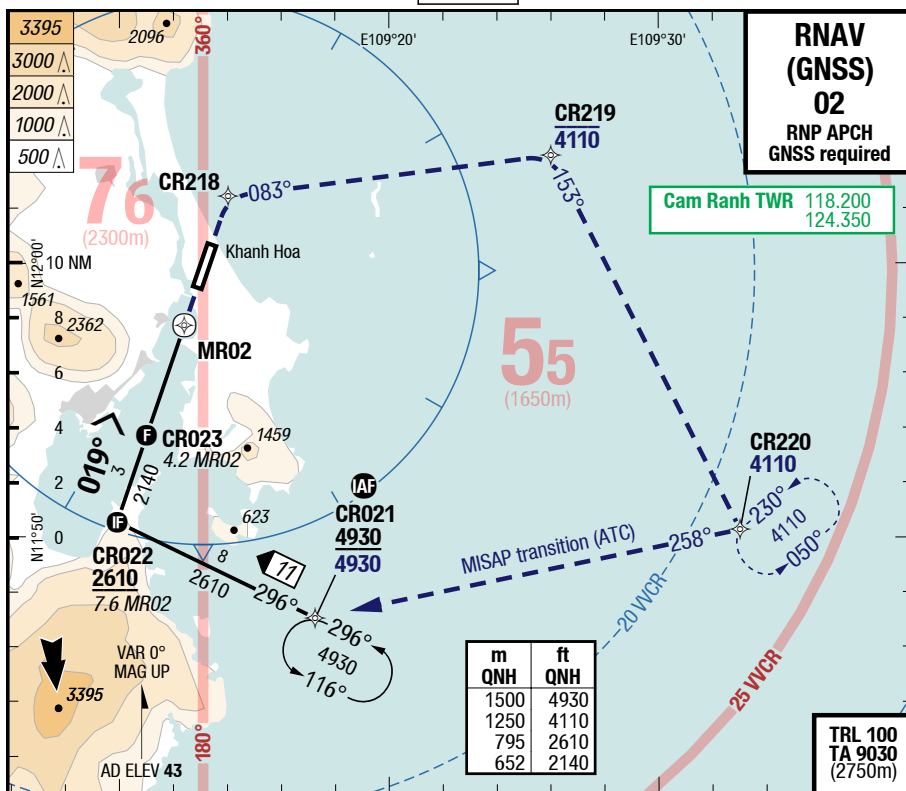
02		Cat 1 DME ¹⁾	LOC DME	Circling E of RWY only	
C	ft - m/km ft	C 350 - 1.6V 340	C 860 - 3.8V 860	C 1810 - 5.0V 1810	
D	ft - m/km ft	C 370 - 1.6V 350	C 860 - 3.8V 860	C 1810 - 5.0V 1810	

1) With EVS VIS 1.1km

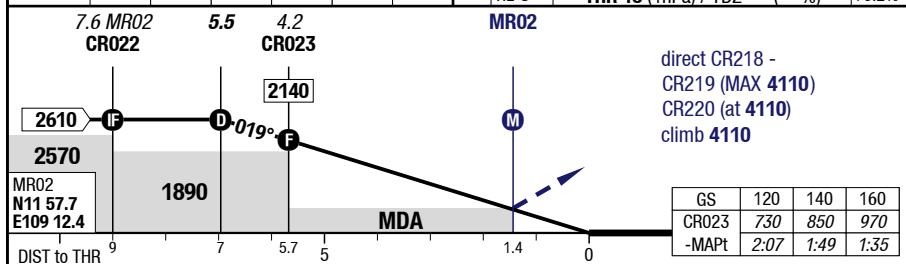
CXR-VVCR

7-30

RNAV (GNSS) 02



3.44°	5.5	5	4	3	2	1	02	PAPI angle not AVBL
MR02	2610	2420	2060	1690	1330	960	HL-S	3048 x 45
RWY 018°	7.6 MR02	5.5	4.2	MR02	THR 18 (1hPa) / TDZ --- (---%) +0.2%			



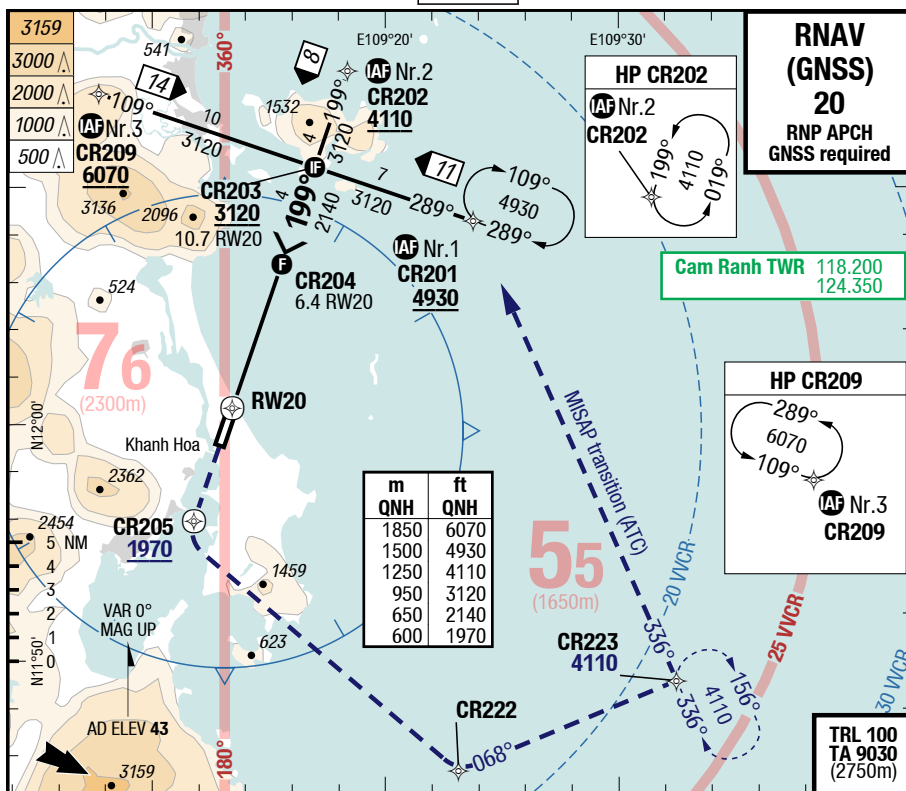
02	RNAV GNSS	Circling	
C	ft - m/km ft C 600 - 3.4V 600	Not authorized	
D	ft - m/km ft C 600 - 4.0V 600	Not authorized	

Changes: new

CXR-VVCR

7-40

RNAV (GNSS) 20



60 HL 45 x 3048
 PAPI angle not AVBL
 -0.2% TDZ --- (---%) / THR 43 (2hPa)

20

3	5	7	9	9.5	3.00°
1050	1690	2330	2960	3120	RW20
					199°
					RWY 198°

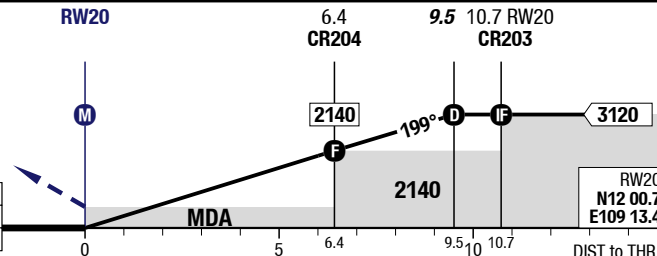
direct CR205 (MNM 1970)

- CR222

- CR223 (at 4110)

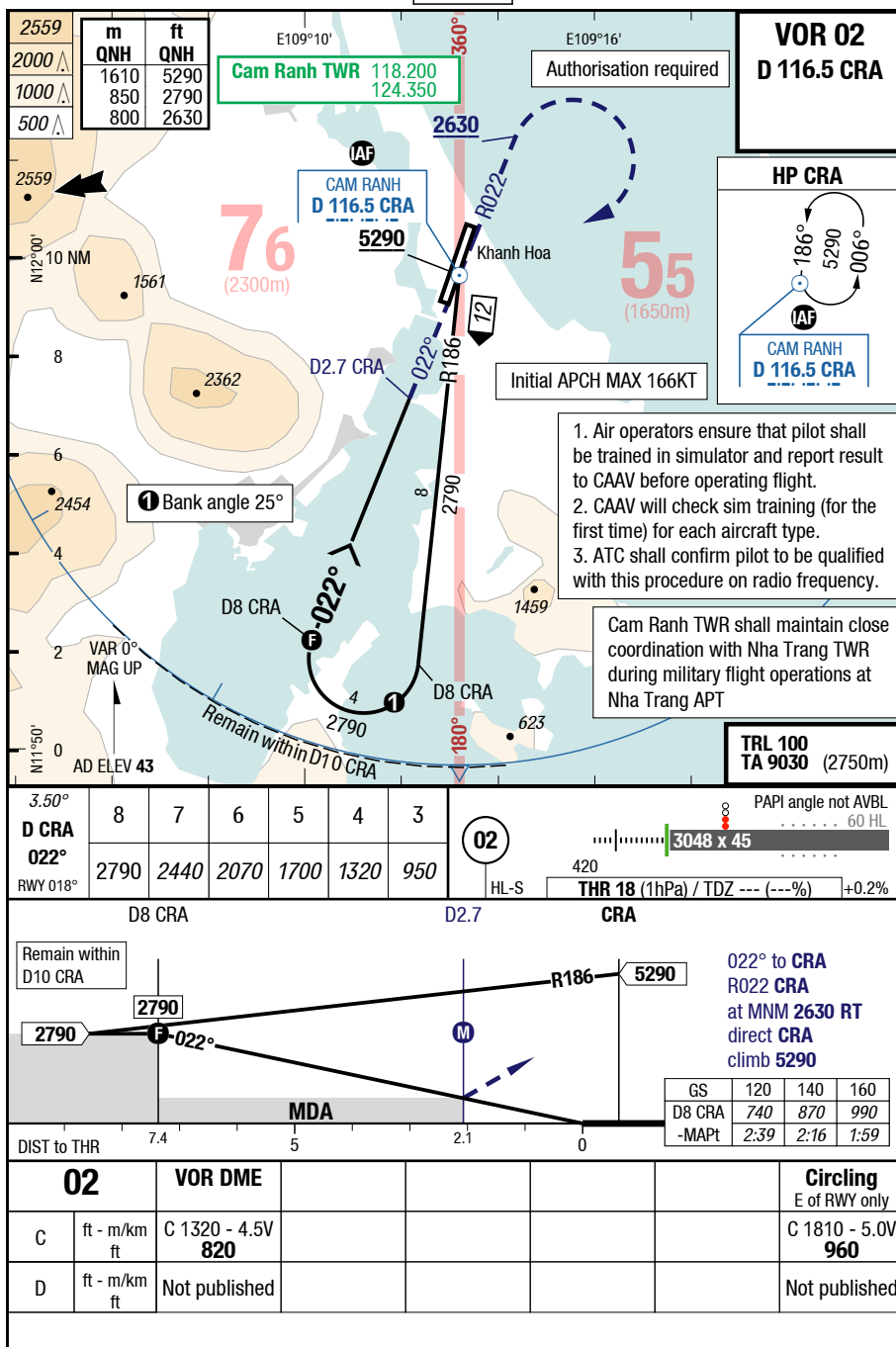
climb 4110

GS	120	140	160
CR204	640	740	850
-MAPt	3:13	2:45	2:25



20	RNAV GNSS					Circling
C	ft - m/km ft	C 610 - 3.4V 600				Not authorized
D	ft - m/km ft	C 610 - 4.0V 600				Not authorized

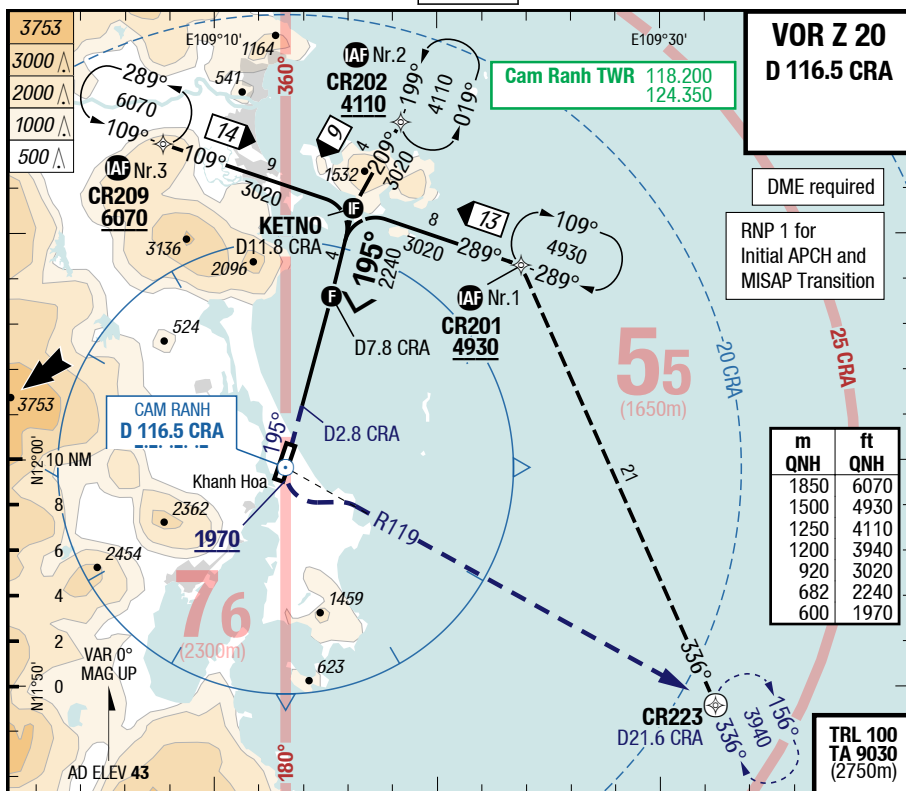
Changes: new



CXR-VVCR

7-60

VOR Z 20



60 HL

45 x 3048

PAPI angle not AVBL

-0.2% TDZ --- (---%) / THR 43 (2hPa)

20

HL-N

CRA

D2.8

D7.8

D10.2

D11.8 CRA

KETNO

195°

at MNM 1970 LT
intercept R119 CRA to CR223
climb 3940

GS	120	140	160
D7.8 CRA	640	740	850
-MAPt	2:30	2:09	1:53

0

1.8

5

6.8

10

DIST TO THR

20

VOR DME

Circling

E of RWY only

C

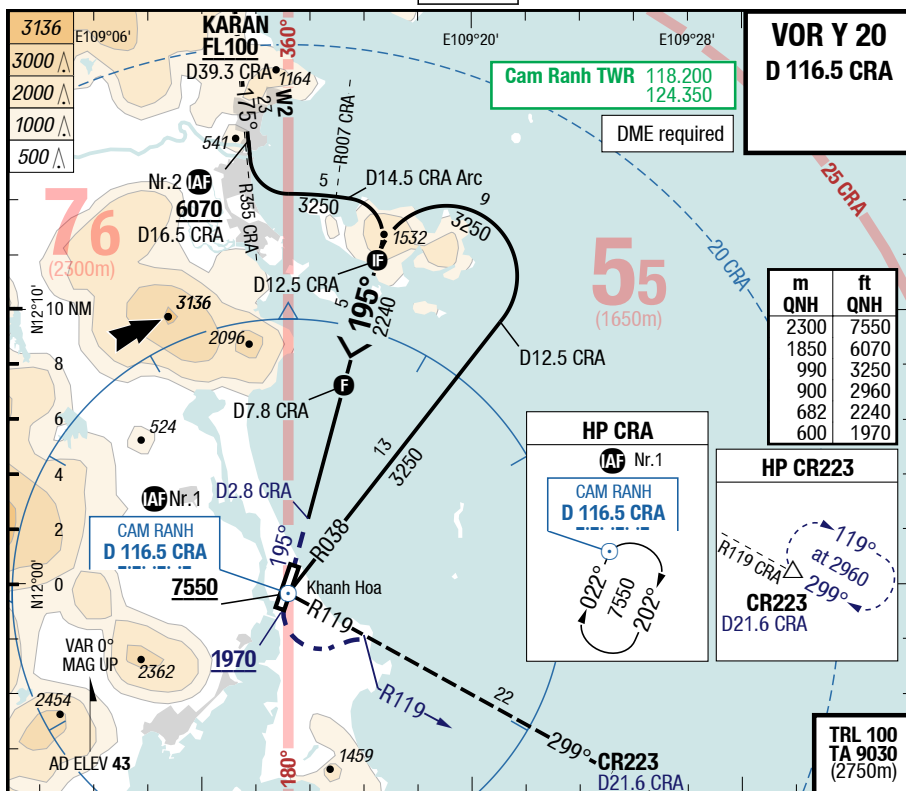
ft - m/km
ftC 660 - 3.4V
660C 1810 - 5.0V
1250

D

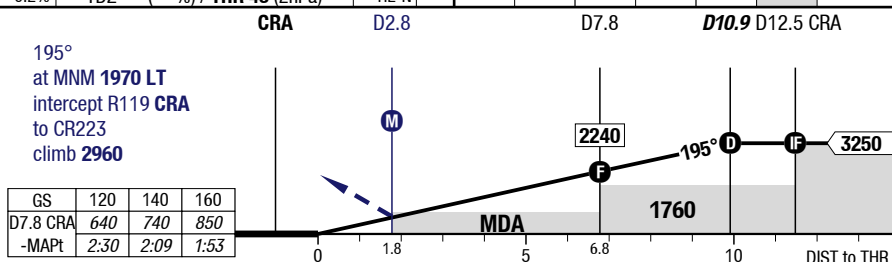
ft - m/km
ftC 660 - 4.0V
660C 1810 - 5.0V
2630

7-70

VOR Y 20



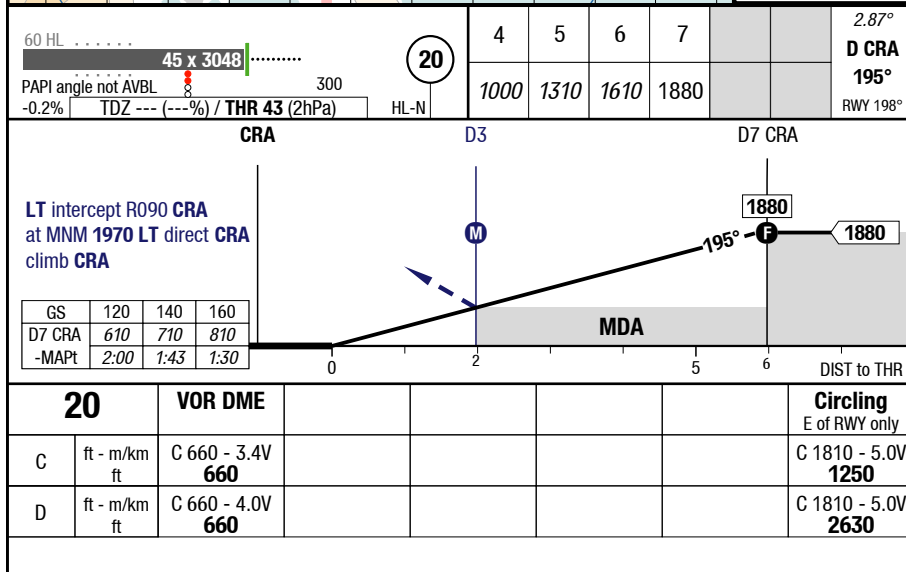
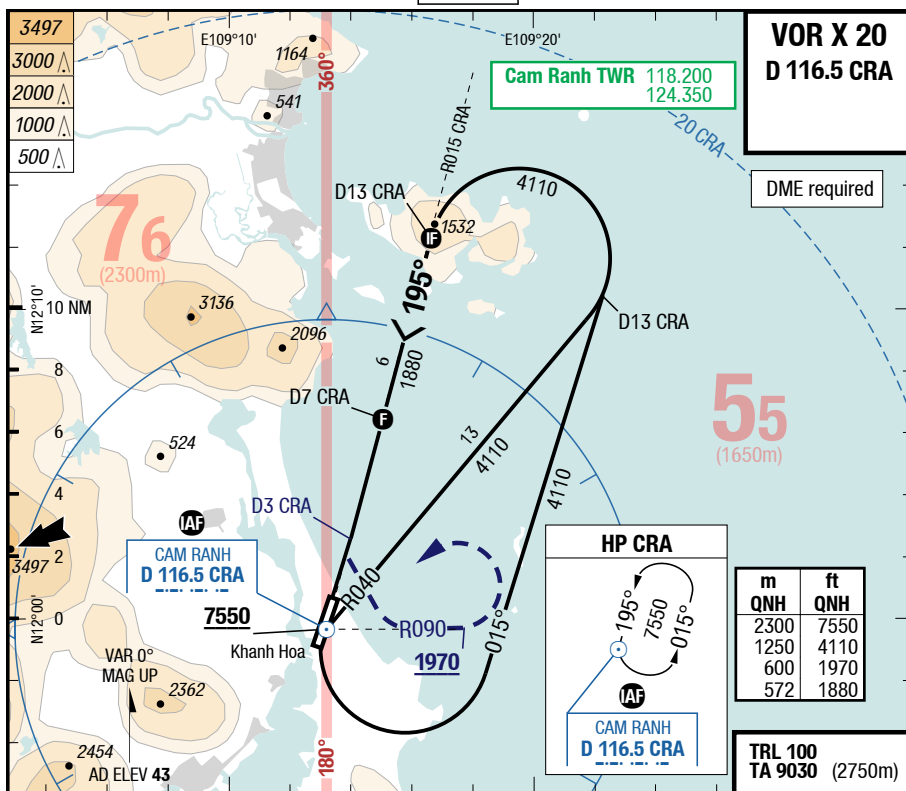
60 HL	45 x 3048	20	4	6	8	10	10.9	3.00°
PAPI angle not AVBL	300		1040	1680	2320	2960	3250	D CRA 195°
-0.2% TDZ --- (---) / THR 43 (2hPa)		HI-N						RWY 198°



20		VOR DME					Circling E of RWY only
C	ft - m/km ft	C 660 - 3.4V 660					C 1810 - 5.0V 1250
D	ft - m/km ft	C 660 - 4.0V 660					C 1810 - 5.0V 2630

7-80

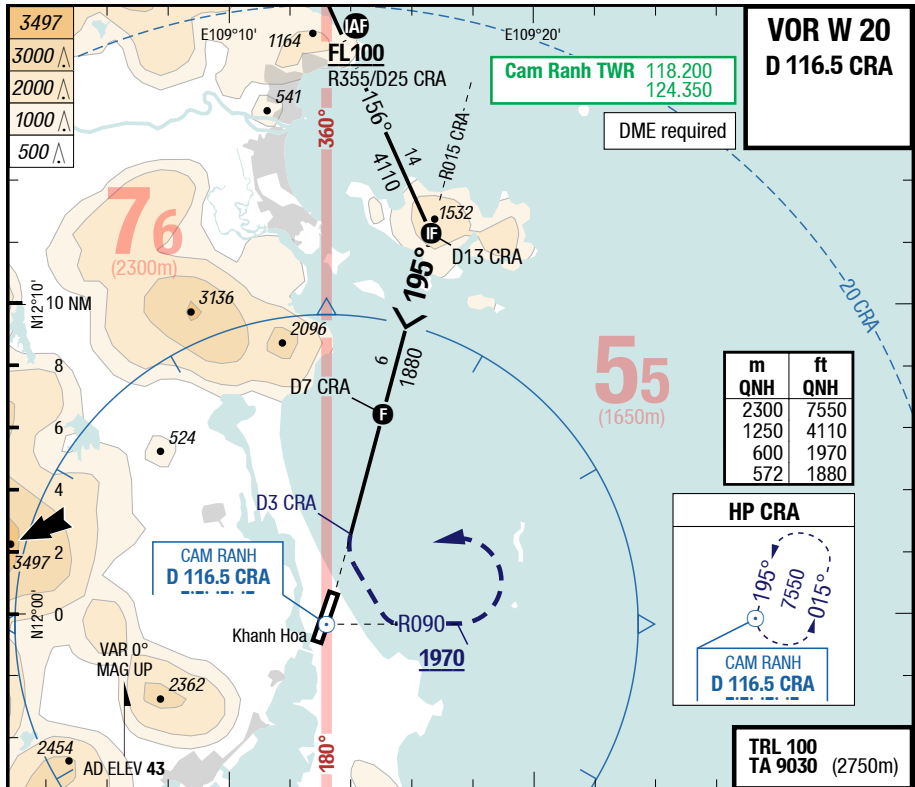
VOR X 20



CXR-VVCR

7-90

VOR W 20



60 HL 45 x 3048
PAPI angle not AVBL
-0.2% TDZ --- (---%) / THR 43 (2hPa)

20

4	5	6	7		
1000	1310	1610	1880		

2.87°
D CRA
195°
RWY 198°

CRA

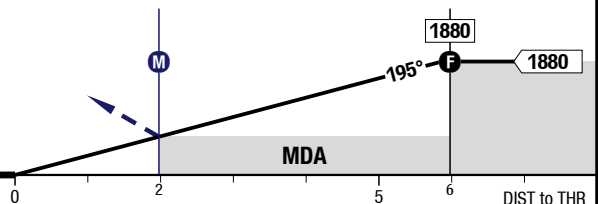
D3

D7 CRA

LT

intercept R090 CRA
at MNM 1970 LT direct CRA
climb CRA

GS	120	140	160
D7 CRA	610	710	810
-MAPt	2:00	1:43	1:30



20

VOR DME

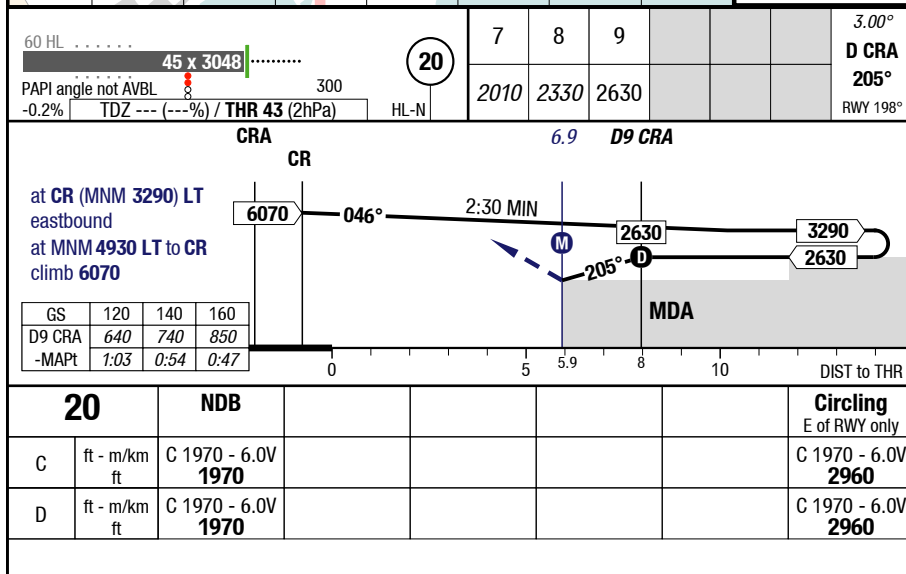
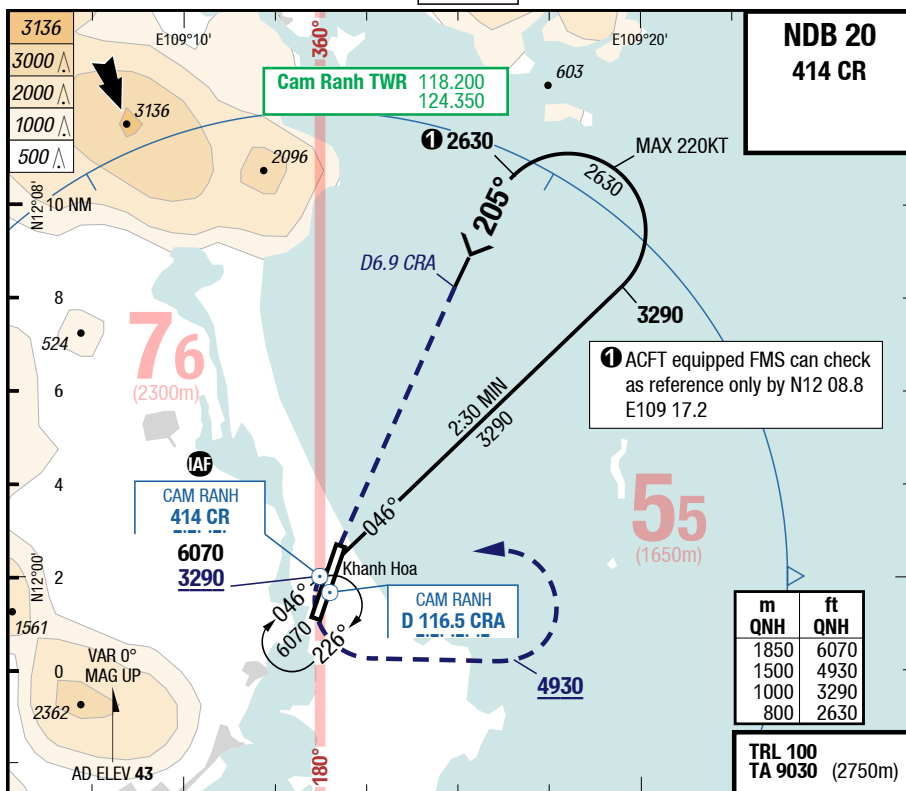
Circling

E of RWY only

C	ft - m/km ft	C 660 - 3.4V 660	C 1810 - 5.0V 1250
D	ft - m/km ft	C 660 - 4.0V 660	C 1810 - 5.0V 2630

7-100

NDB 20



02-NOV-2017
CX-R-VVCR

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MRC

MRC

Cam Ranh Intl **Khanh Hoa** Vietnam
MRC

8-10



Changes: new