

BMS REPUBLIC OF KOREA

AIRPORT CHARTS KTO

SOUTH KOREA, JAPAN

Combatsimchecklist series

NOT FOR REAL NAVIGATION
FALCON BMS 4.32 ONLY

31st AUGUST 2011

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KOREAN NAVIGATION VOLUME
AIRPORT CHARTS
SOUTH KOREA

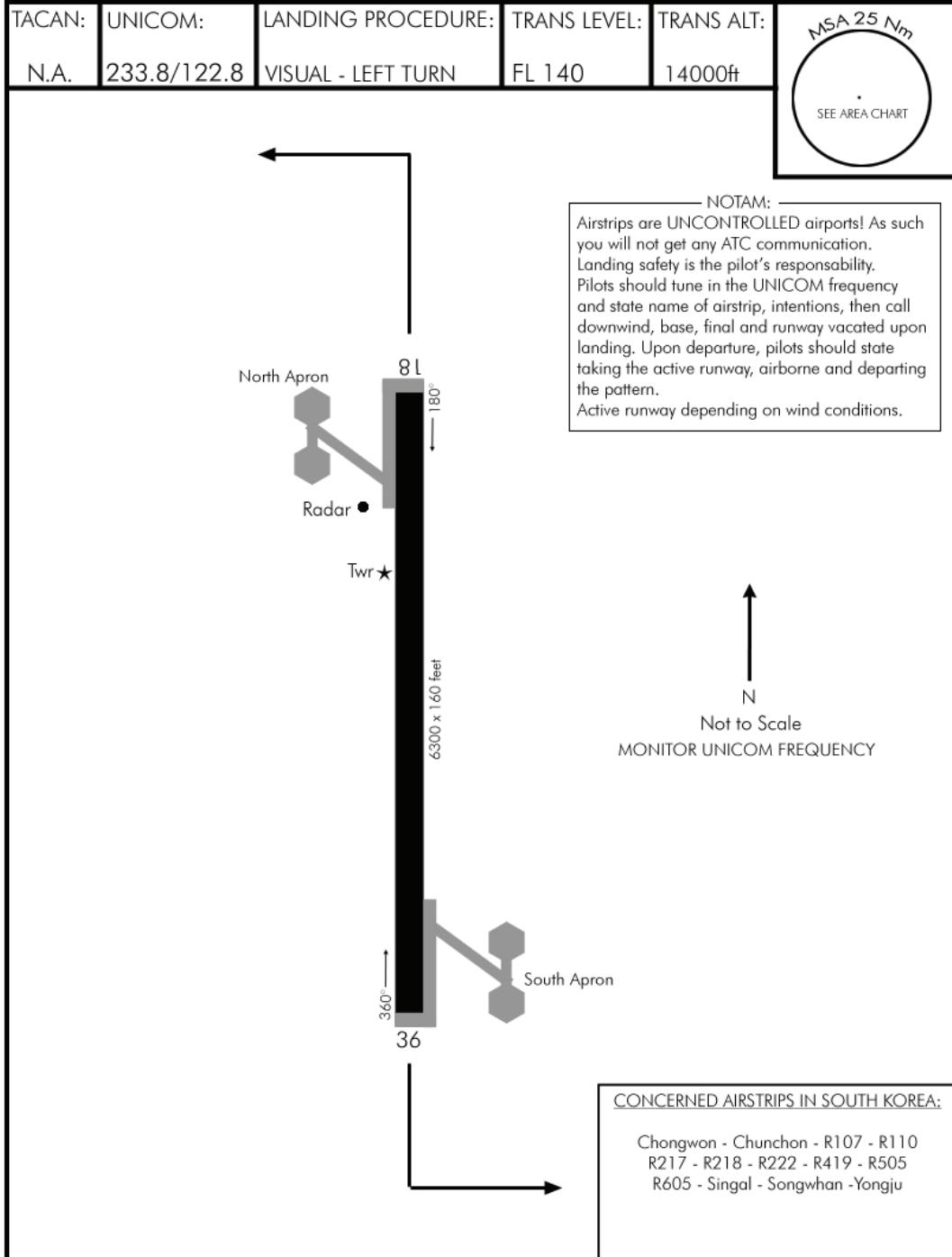


NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

30 April 2010
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AIRPORT DIAGRAM

Date: 5 January 10

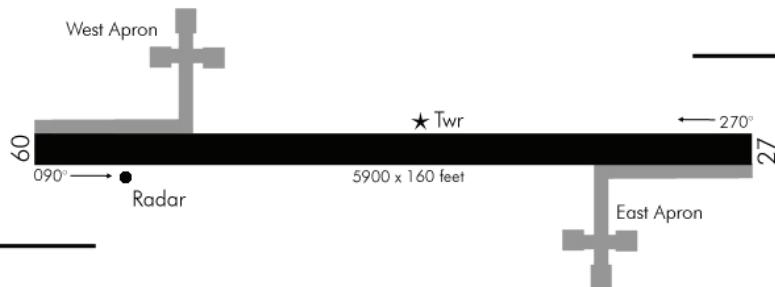
AIRSTRIPS NORTH-SOUTH
SOUTH KOREA

AIRPORT DIAGRAM

Date: 5 January 10

AIRSTrips EAST-WEST
SOUTH KOREA

TACAN:	UNICOM:	LANDING PROCEDURE:	TRANS LEVEL:	TRANS ALT:	
N.A.	236.6/122.6	VISUAL - LEFT TURN	FL 140	14000ft	



N

Not to Scale

MONITOR UNICOM FREQUENCY

NOTAM:

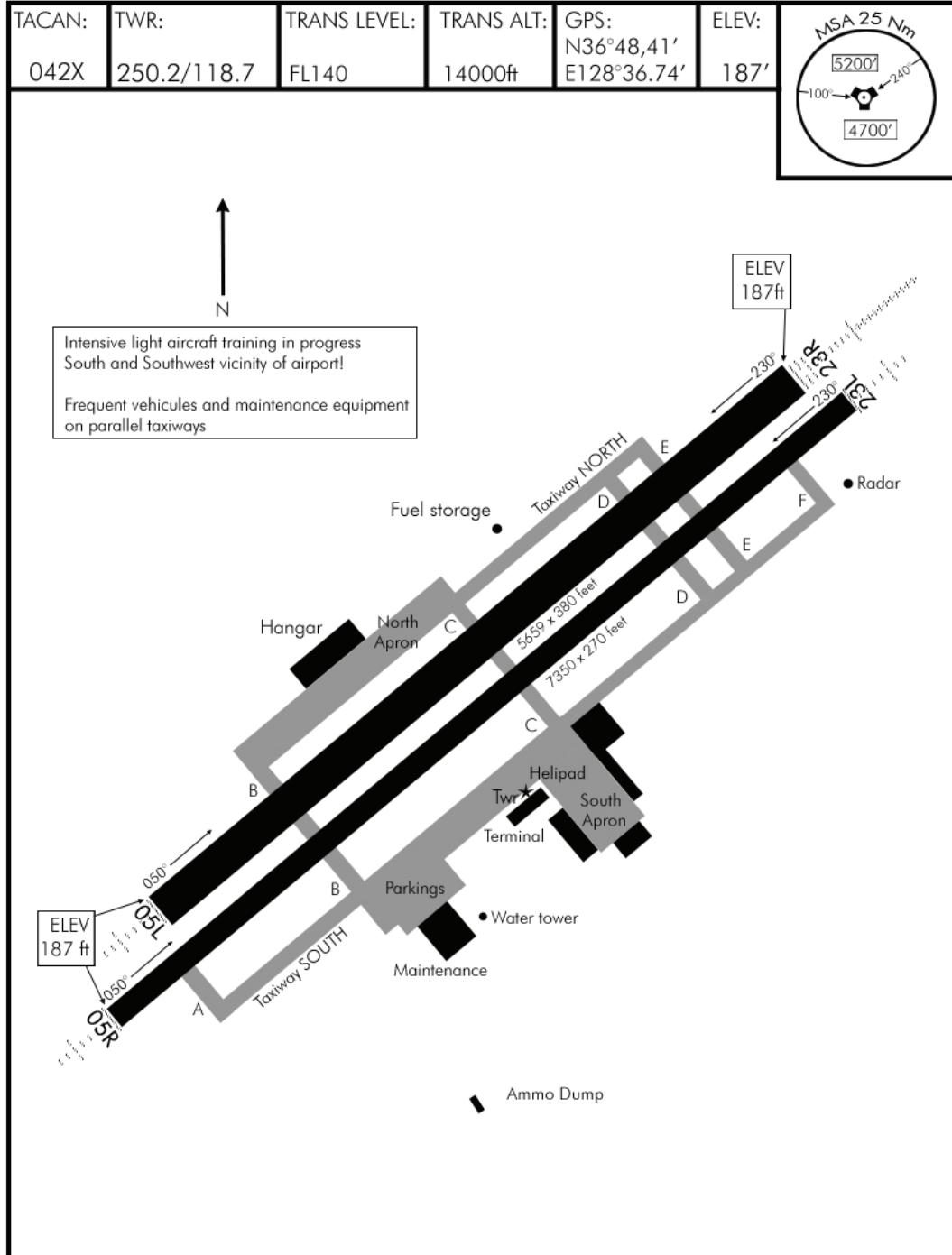
Airstrips are UNCONTROLLED airports! As such you will not get any ATC communication. Landing safety is the pilot's responsibility. Pilots should tune in the UNICOM frequency and state name of airstrip, intentions, then call downwind, base, final and runway vacated upon landing. Upon departure, pilots should state taking the active runway, airborne and departing the pattern. Active runway depending on wind conditions.

CONCERNED AIRSTrips IN SOUTH KOREA:

Kumi
R103
R113
R601 (U306.8 - V125.3)

AIRPORT DIAGRAM

Date: 12 Dec 2009

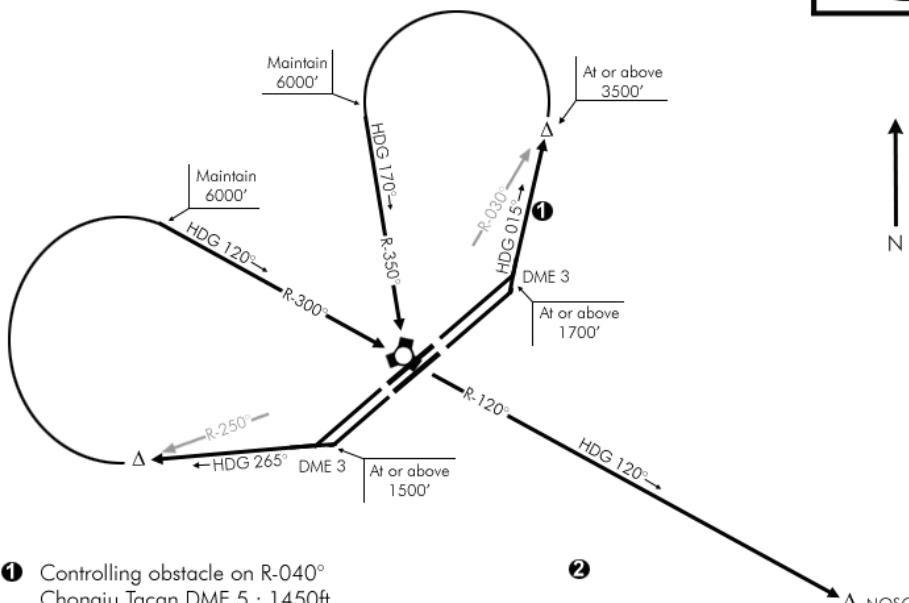
CHONGJU INTL (RK TU)
SOUTH KOREA

CHONGJU 5 DEPARTURE

Date: 12 Dec 09

CHONGJU INTL (RKTU)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:	
042X	250.2/118.7	FL140	14000ft	N36°48.41' E128°36.74'	187'	



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 05 L&R: Climb to 1700 feet on Rwy heading until reaching DME 3. Turn LEFT heading 015° until crossing R-030° Chongju tacan. Cross at or above 3500 feet. Turn LEFT to intercept R-350° inbound Chongju tacan. Maintain 6000 feet until overhead Chongju Track R-120° outbound Chongju tacan until NOSONG and climb to assigned altitude Thence...

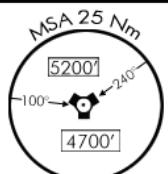
TAKE-OFF RWY 23 L&R: Climb to 1500 feet on Rwy heading until reaching DME 3. Turn RIGHT heading 265° until crossing R-250° Chongju tacan. Turn RIGHT to intercept R-300° inbound tacan and maintain 6000 feet until overhead Chongju. Track R-120° outbound Chongju tacan until NOSONG and climb to assigned altitude. Thence...

KOREAN NAVIGATION VOLUME

TACAN RWY 05L

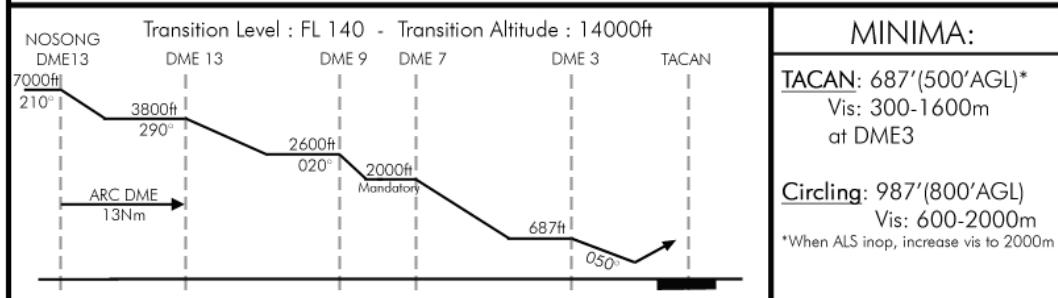
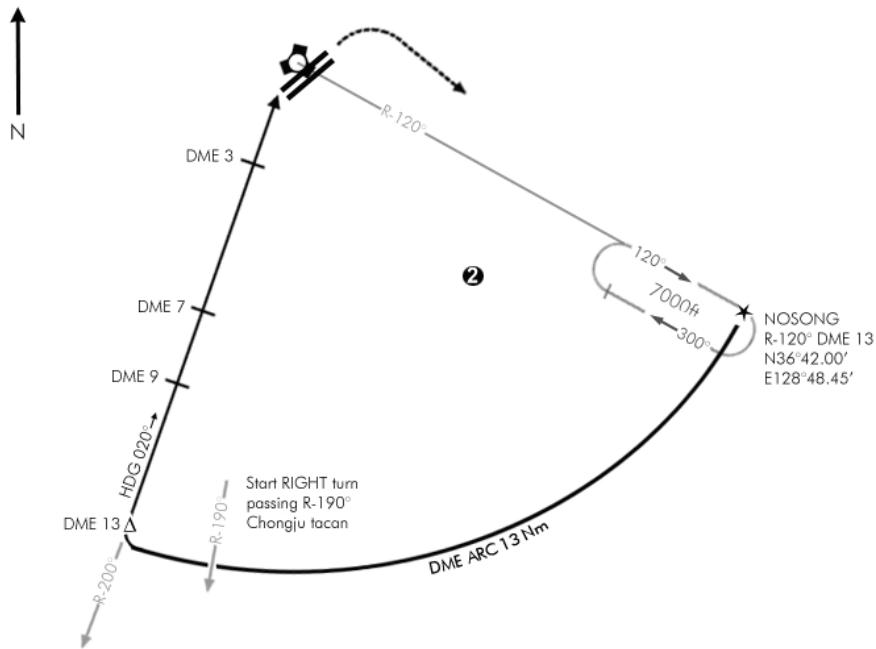
Date: 12 Dec 09

CHONGJU INTL (RKTU)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TCN RAD:	GPS: N36°48.41' E128°36.74'	ELEV:	
042X	250.2/118.7	687'(500' AGL)	200° [HDG020]		187'	MALSF PAPI
MISSED APPROACH: Climb on runway heading to 1500' - Then right climbing turn to intercept R-120° outbound Chongju tacan. Hold as published (7000ft) at NOSONG unless otherwise directed.						

- ① Controlling obstacle on R-040°
Chongju Tacan DME 5 : 1450ft
- ② Controlling obstacle on R-125°
Chongju Tacan DME 8 : 1520ft

①



TACAN RWY 05L

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CHONGJU INTL (RKTU)
SOUTH KOREA

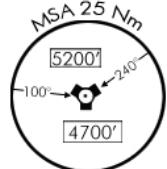
KOREAN NAVIGATION VOLUME

TACAN RWY 05R

Date: 12 Dec 2009

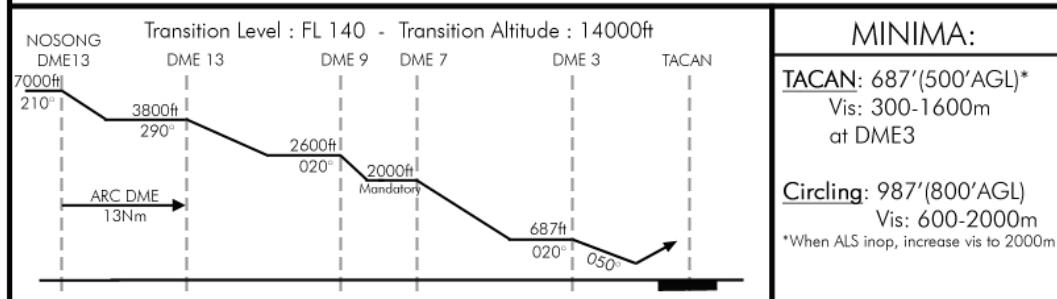
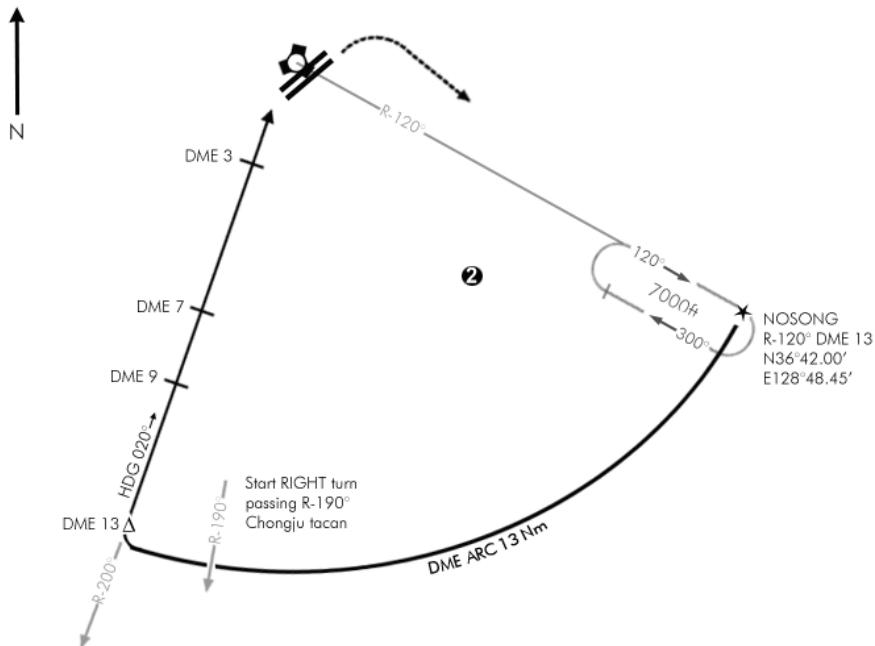
CHONGJU INTL (RKTU)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TCN RAD:	GPS: N36°48.41' E128°36.74'	ELEV: 187'
042X	250.2/118.7	687'(500' AGL)	200° [HDG020]		
MISSED APPROACH: Climb on runway heading to 1500' - Then right climbing turn to intercept R-120° outbound Chongju tacan. Hold as published (7000ft) at NOSONG unless otherwise directed.					MALSF PAPI



- ① Controlling obstacle on R-040°
Chongju Tacan DME 5 : 1450ft
- ② Controlling obstacle on R-125°
Chongju Tacan DME 8 : 1520ft

①



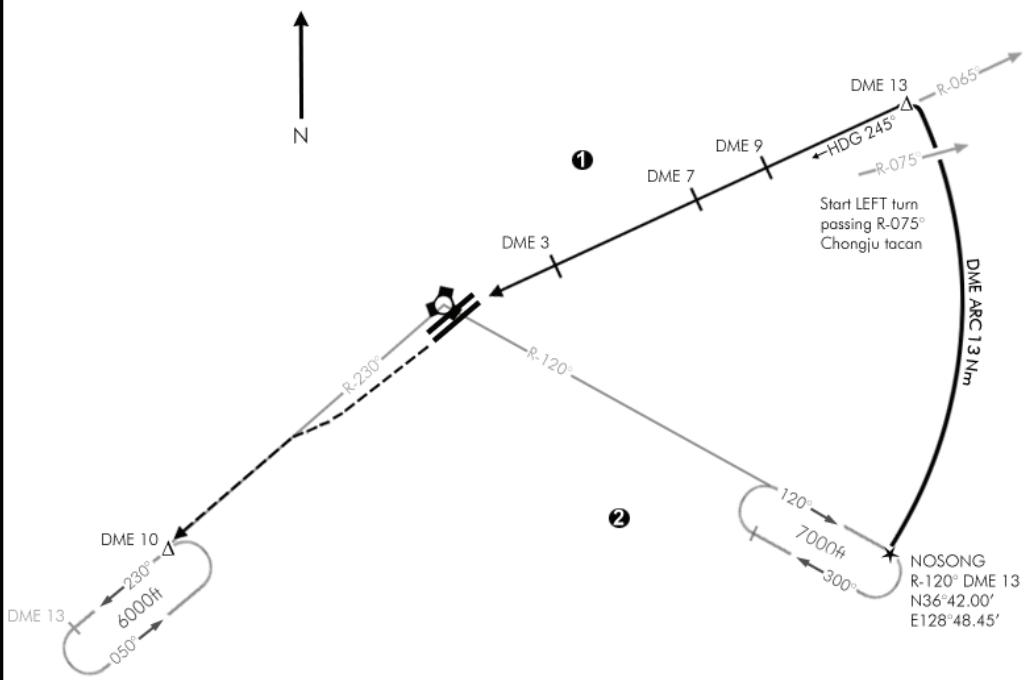
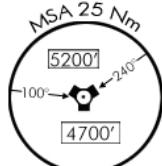
TACAN RWY 05R

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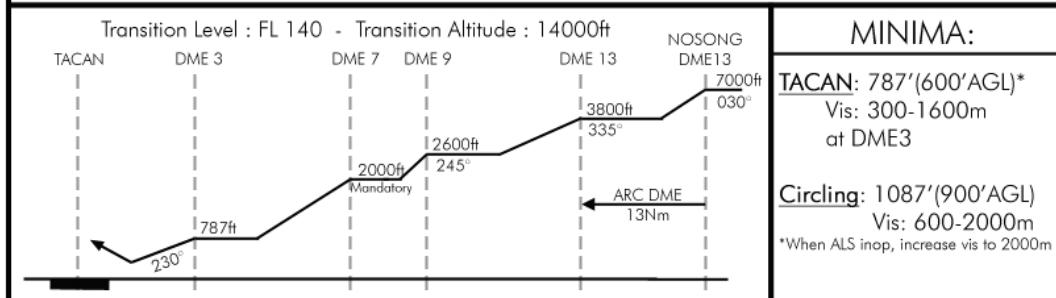
CHONGJU INTL (RKTU)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TCN RAD:	GPS: N36°48.41' E128°36.74'	ELEV: 187'	
042X	250.2/118.7	787'(600' AGL)	065° (HDG245)			
MISSSED APPROACH: Climb on runway heading to 6000' - Intercept R-230° outbound Chongju tacan. Hold as published (6000ft) on DME10 Chongju tacan.						MALSF PAPI



① Controlling obstacle on R-040°
Chongju Tacan DME 5 : 1450ft

② Controlling obstacle on R-125°
Chongju Tacan DME 8 : 1520ft

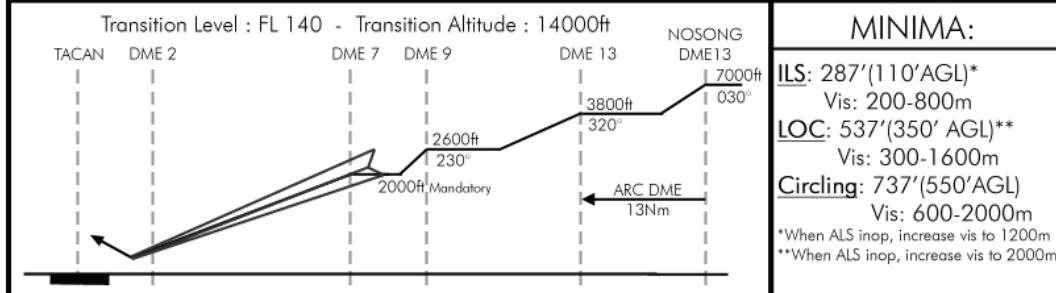
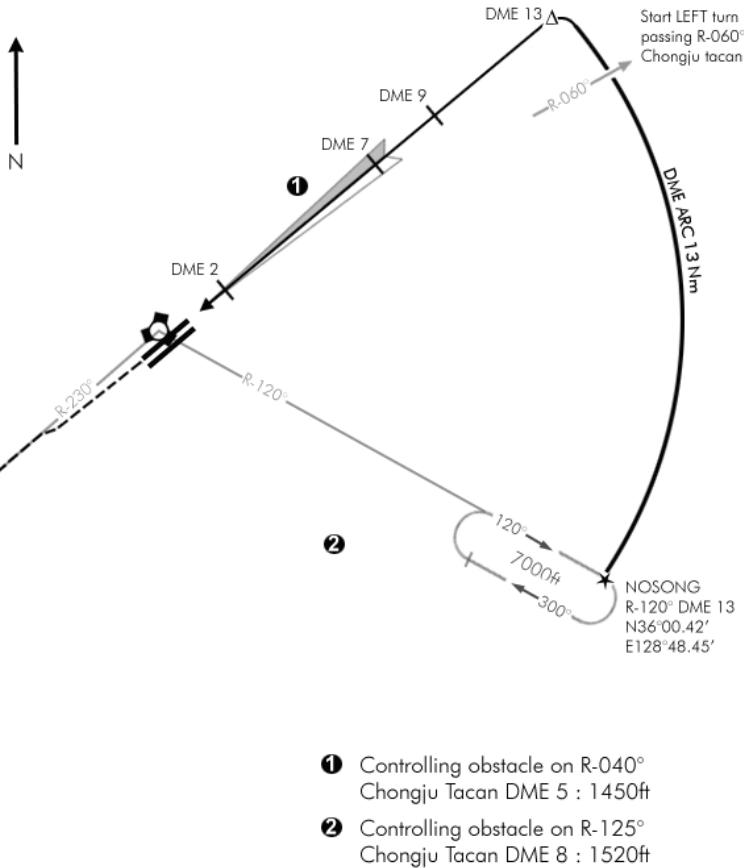


ILS RWY 23R

Date: 12 Dec 09

CHONGJU INTL (RKTU)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H)	LOC:	GPS: N36°48.41' E128°36.74'	ELEV: 187'	
042X	250.2/118.7	111.7	287'(110' AGL)	230°			
MISSSED APPROACH: Climb on runway heading to 6000' - Intercept R-230° outbound Chongju tacan. Hold as published (6000ft) on DME10 Chongju tacan.						ALSF-1	MSA 25 Nm 5200' 4700'



ILS RWY 23R

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CHONGJU INTL (RKTU)
SOUTH KOREA

KOREAN NAVIGATION VOLUME

CHONGJU VISUAL

Date: 12 Dec 09

CHONGJU INTL (RKTU)
SOUTH KOREA

TACAN: 042X **TWR:** 250.2/118.7 **TRANS LEVEL:** FL140 **TRANS ALT:** 14000ft **GPS:** N36°48.41' E128°36.74' **ELEV:** 187'

MSA 25 Nm
5200'
100' ~ 1400'
4700'

Changwon

Eumseong

Chinch'on Bridge

Jeungpyong

RKTU 042X

IP 23
N36°42.00'
E128°48.45'

IP 05
N36°42.00'
E128°48.45'

Sin-gi Bridge

Geosan Bridge

W

N36°42.00'
E128°48.45'
R-237° DME 11

Cheongju

S

N36°42.00'
E128°48.45'
R-237° DME 11

Chongwon airstrip

Songmu

Sintanjun

N

E

N36°42.00'
E128°48.45'
R-093° DME 19

① Controlling obstacle on R-040° Chongju Tacan DME 5 : 1450ft

② Controlling obstacle on R-125° Chongju Tacan DME 8 : 1520ft

CHONGJU VISUAL

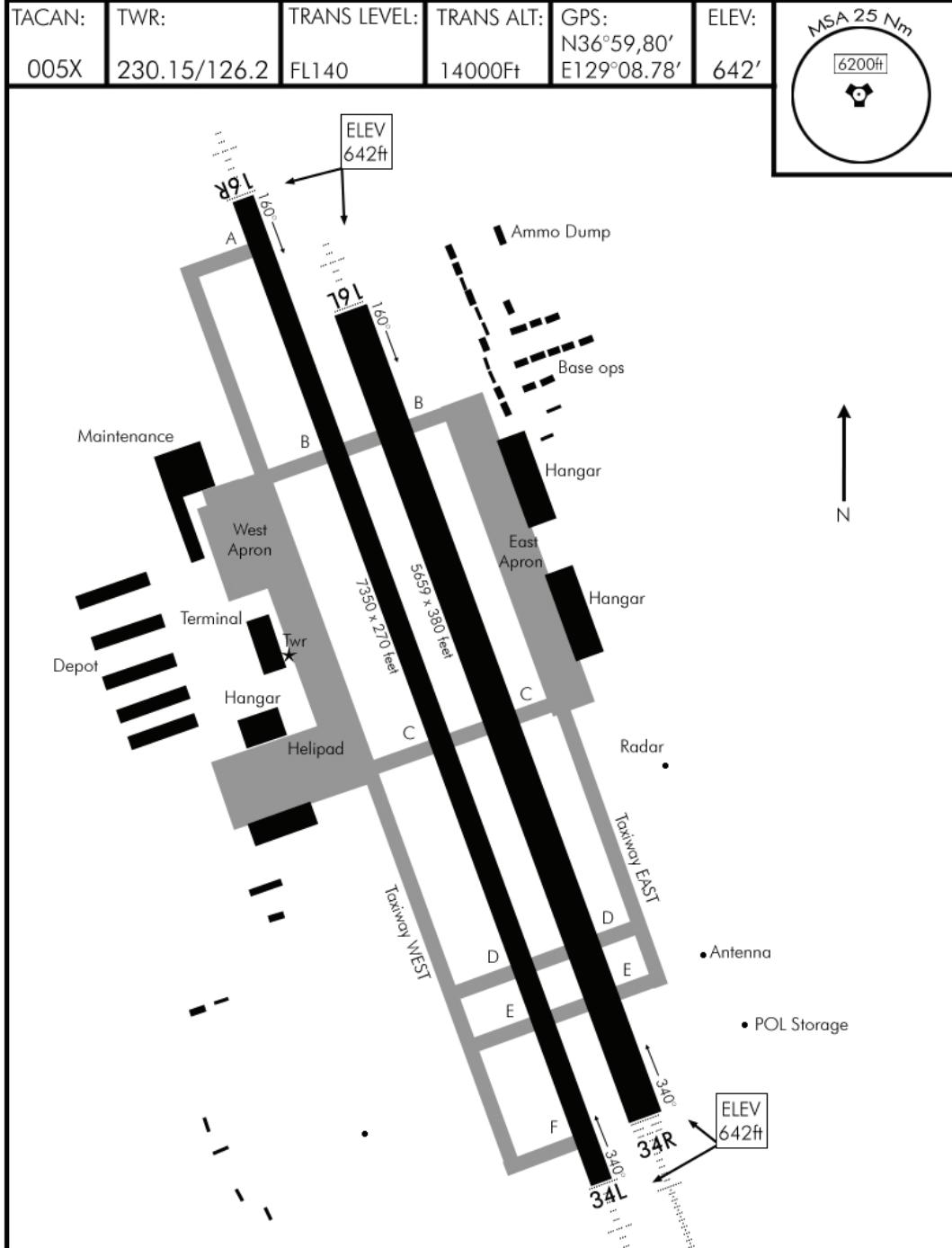
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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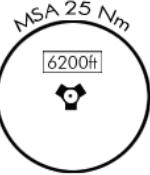
CHONGJU INTL (RKTU)
SOUTH KOREA

AIRPORT DIAGRAM

Date: 12 Dec 09

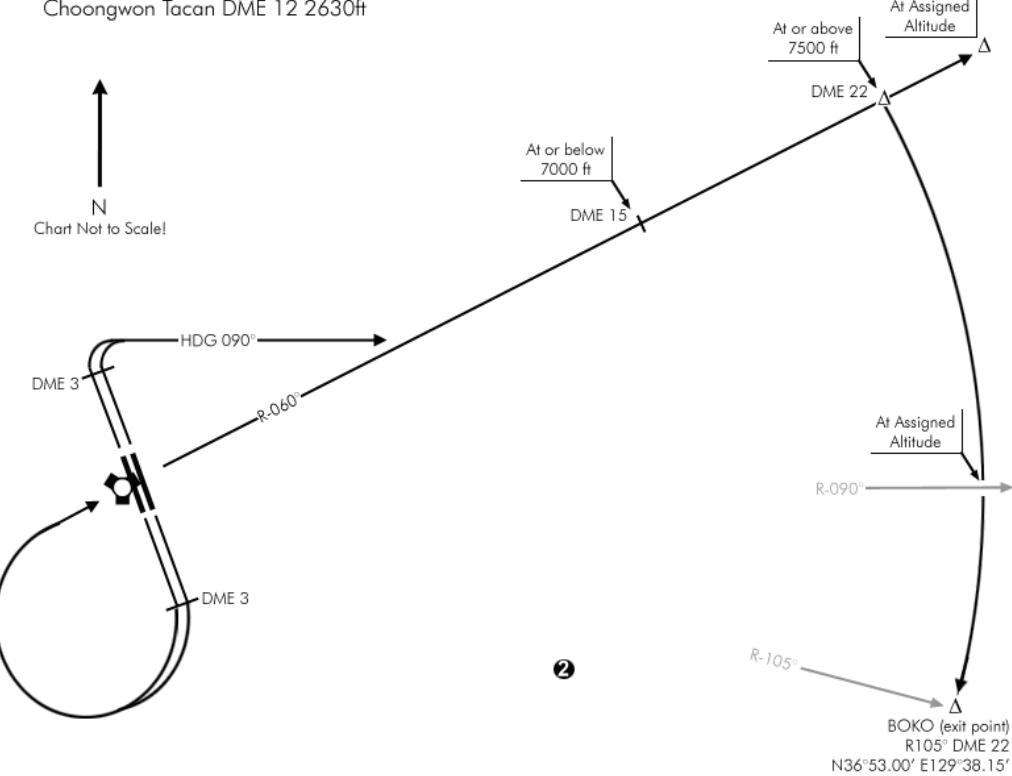
CHOONGWON AB (RKT)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
005X	230.15/126.2	FL140	14000Ft	N36°59.80' E129°08.78'	642'



② Controlling obstacle on R-120°
Choongwon Tacan DME 12 2630ft

Chart Not to Scale!



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 34 L&R: Climb on Rwy heading until reaching DME 3. Turn right tracking 090° to intercept and proceed via R-060° Choongwon tacan. Cross 15 DME at or below 7000 feet and 22 DME at or above 7500 feet. Thence...

TAKE-OFF RWY 16 L&R: Climb on Rwy heading until reaching DME 3. Turn right to Choongwon tacan and track outbound on R-060°. Cross 15 DME at or below 7000 feet and 22 DME at or above 7500 feet. Thence...

JINBU TRANSITION: Continue proceeding via R-060° Cross JINBU (DME25) at assigned or specified altitude.

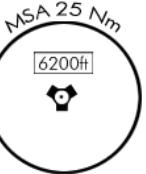
BOKO TRANSITION: Proceed via Choongwon 22 DME Arc to BOKO. Cross Choongwon tacan R-090° at assigned or specified altitude.

KOREAN NAVIGATION VOLUME

TACAN RWY 16L

Date: 12 Dec 09

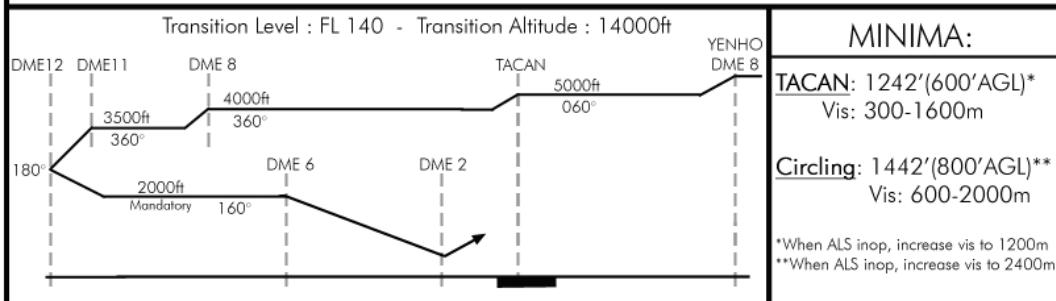
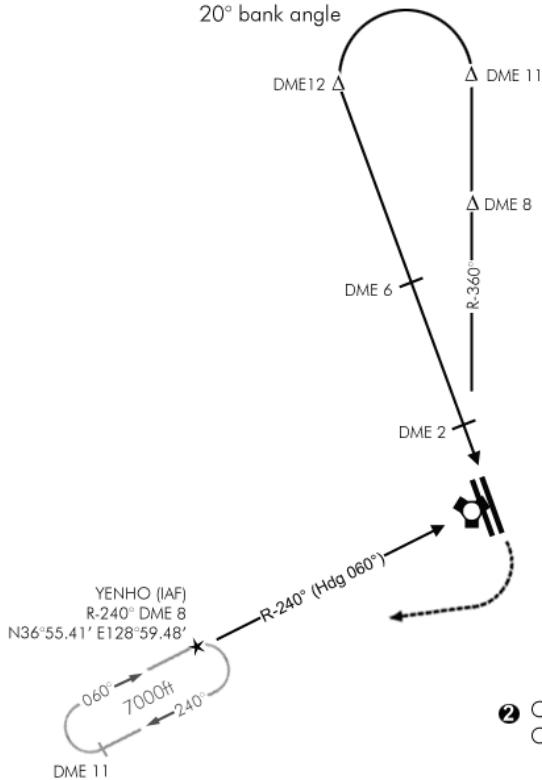
CHOONGWON AB (RKT)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TACAN RAD:	GPS: N36°59.80' E129°08.78'	ELEV: 642'	 MSA 25 Nm 6200ft PAPI
005X	230.15/126.2	1242ft (600'AGL)	160°			

MISSED APPROACH: Right climbing turn as soon as practicable to avoid terrain Proceed direct to YENHO Fix on Radial 240°.
Hold as published at 7000.

Max 300 Kts IAS in the turn
20° bank angle

EMERG SAFE ALT 100 NM: 7700ft



TACAN RWY 16L

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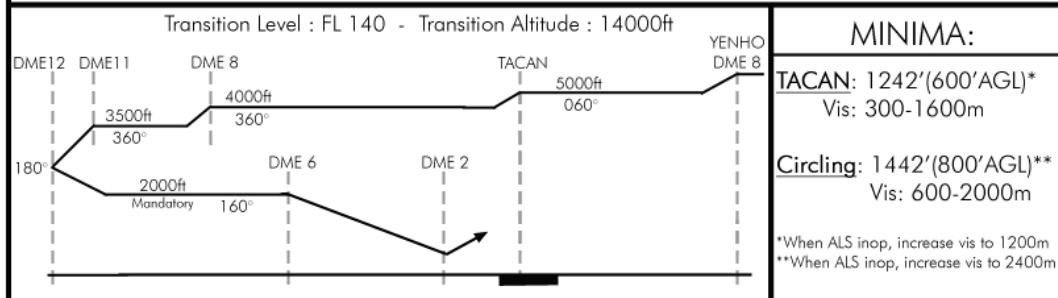
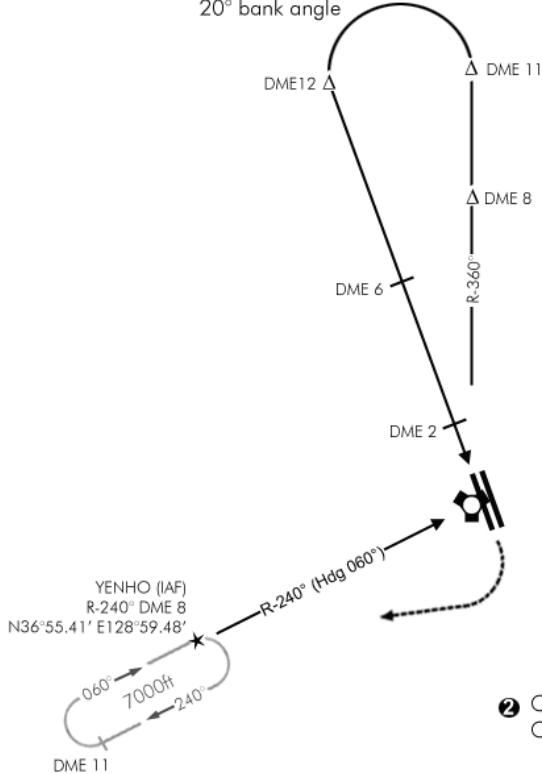
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CHOONGWON AB (RKT)
SOUTH KOREA

TACAN:	ILS:	TACAN DA(H):	TACAN RAD:	GPS: N36°59.80' E129°08.78'	ELEV: 642'	
005X	230.15/126.2	1242ft (600'AGL)	160°			

MISSED APPROACH: Right climbing turn as soon as practicable, Proceed direct to YENHO Fix on Radial 240°. Hold as published at 7000.

EMERG SAFE ALT 100 NM: 7700ft

Max 300 Kts IAS in the turn
20° bank angle

KOREAN NAVIGATION VOLUME

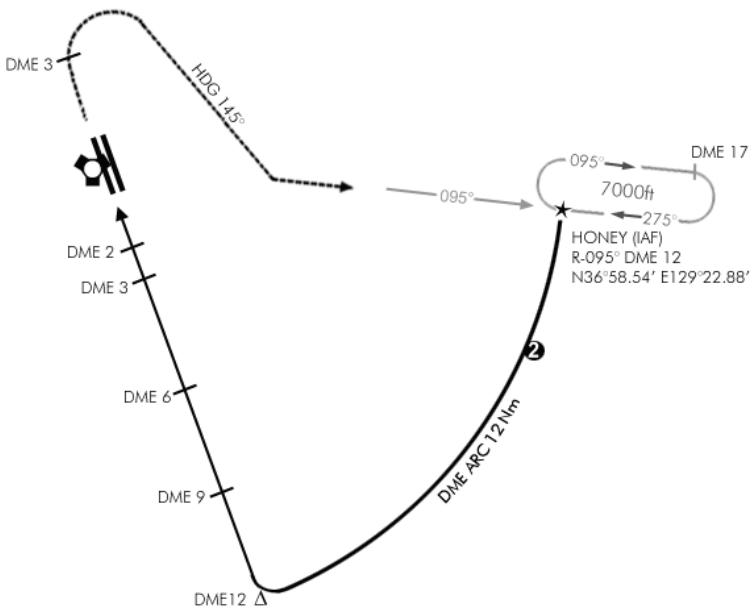
TACAN RWY 34L

Date: 12 Dec 09

CHOONGWON AB (RKT)
SOUTH KOREA

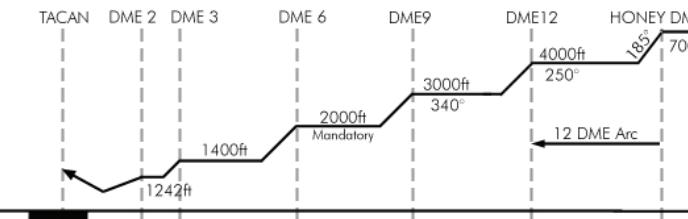
TACAN:	TWR:	TACAN DA(H):	TACAN RAD:	GPS:	ELEV:	
005X	230.15/126.2	1242ft (600'AGL)	340°	N36°59.80' E129°08.78'	642'	
MISSED APPROACH: Climb straight ahead until DME 3, then RIGHT climbing turn heading 145° to intercept R-095° outbound to HONEY Fix at DME 12. Hold as published at 7000.						MSA 25 Nm 6200ft

EMERG SAFE ALT 100 NM: 7700ft



② Controlling obstacle on R-120°
Choongwon TACAN DME 12: 2630ft

Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 1242'(600'AGL)*
Vis: 300-1600m

Circling: 1442'(800'AGL)**
Vis: 600-2000m

*When ALS inop, increase vis to 1200m

**When ALS inop, increase vis to 2400m

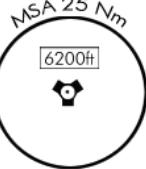
TACAN RWY 34L

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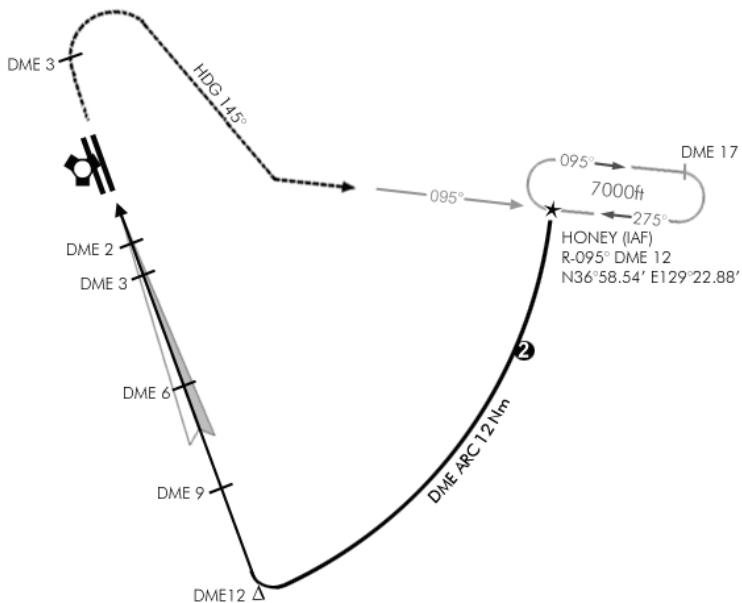
ILS RWY 34R

Date: 12 Dec 09

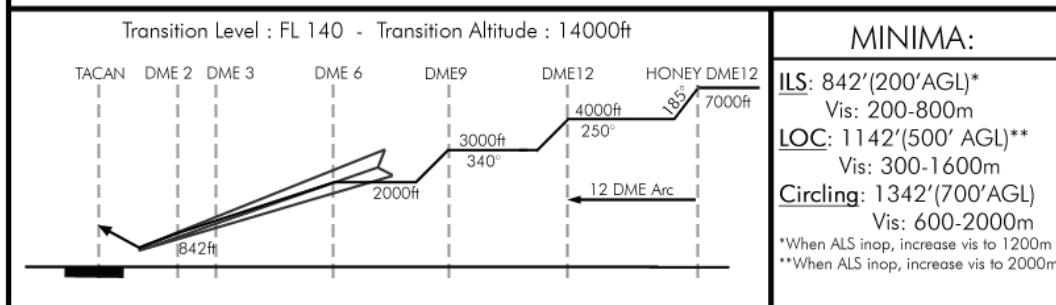
CHOONGWON AB (RKTI)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
005X	230.15/126.2	111.3	842' (200')	340°	N36°59.80' E129°08.78'	642'
MISSED APPROACH: Climb straight ahead until DME 3, then RIGHT climbing turn heading 145° to intercept R-095° outbound to HONEY Fix at DME 12. Hold as published at 7000ft.						 MSA 25 Nm 6200ft

EMERG SAFE ALT 100 NM: 7700ft



② Controlling obstacle on R-120°
Choongwon Tacan DME 12 2630ft



ILS RWY 34R

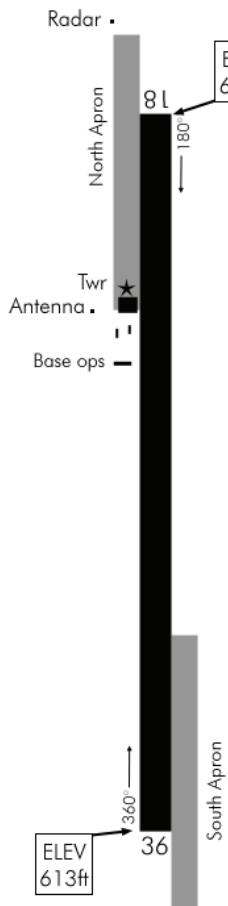
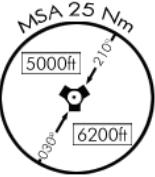
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

AIRPORT DIAGRAM

16 Decembre 05

HOENGSONG (RKNW)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
U.S.	265.5/126.2	FL140	14000ft	N37°27,87' E129°13.75'	613'



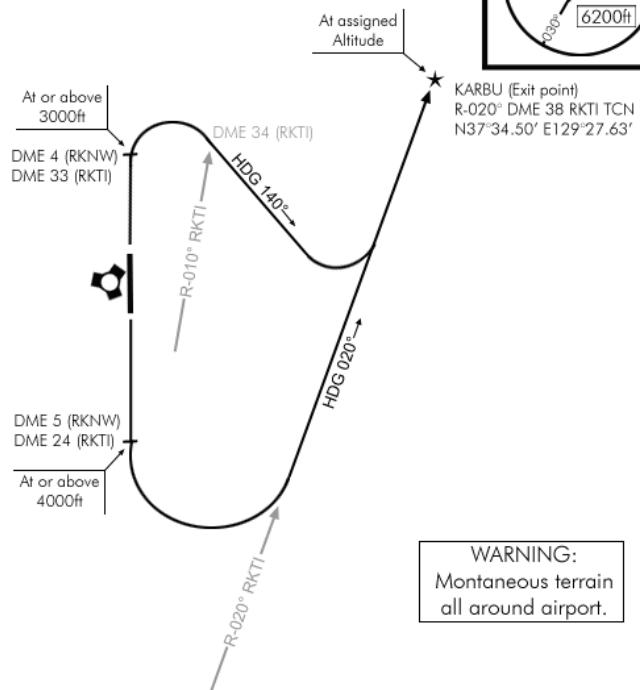
WARNING
Hoengsong is a short field runway.
(airstrip) - Apply short field runway
landing techniques

HOENGSONG 4 DEP

16 Decembre 05

HOENGSONG (RKNW)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
U.S.	265.5/126.2	FL140	14000ft	N37°27,87' E129°13.75'	613'



N

DEPARTURE ROUTE DESCRIPTION

RWY 36: Climb on Rwy heading (360°) until reaching DME 33 CHOONGWON tacan (DME4 Hoengsong airbase) or reaching 3000ft whichever comes first, then RIGHT climbing turn to heading 140°. Cross R-010° RKTI tacan at DME 34 then proceed on 140° heading to intercept R-020° outbound RKTI tacan until reaching Karbu at assigned altitude. Thence,...

RWY 18: Climb on Rwy heading (180°). until reaching DME 24 CHOONGWON tacan (DME5 Hoengsong airbase) or reaching 4000ft whichever comes first, then LEFT climbing to intercept R-020° outbound RKTI tacan. Reach exit point KARBU at assigne altitude. Thence,...

005X RKTI
CHOONGWON AB

KOREAN NAVIGATION VOLUME

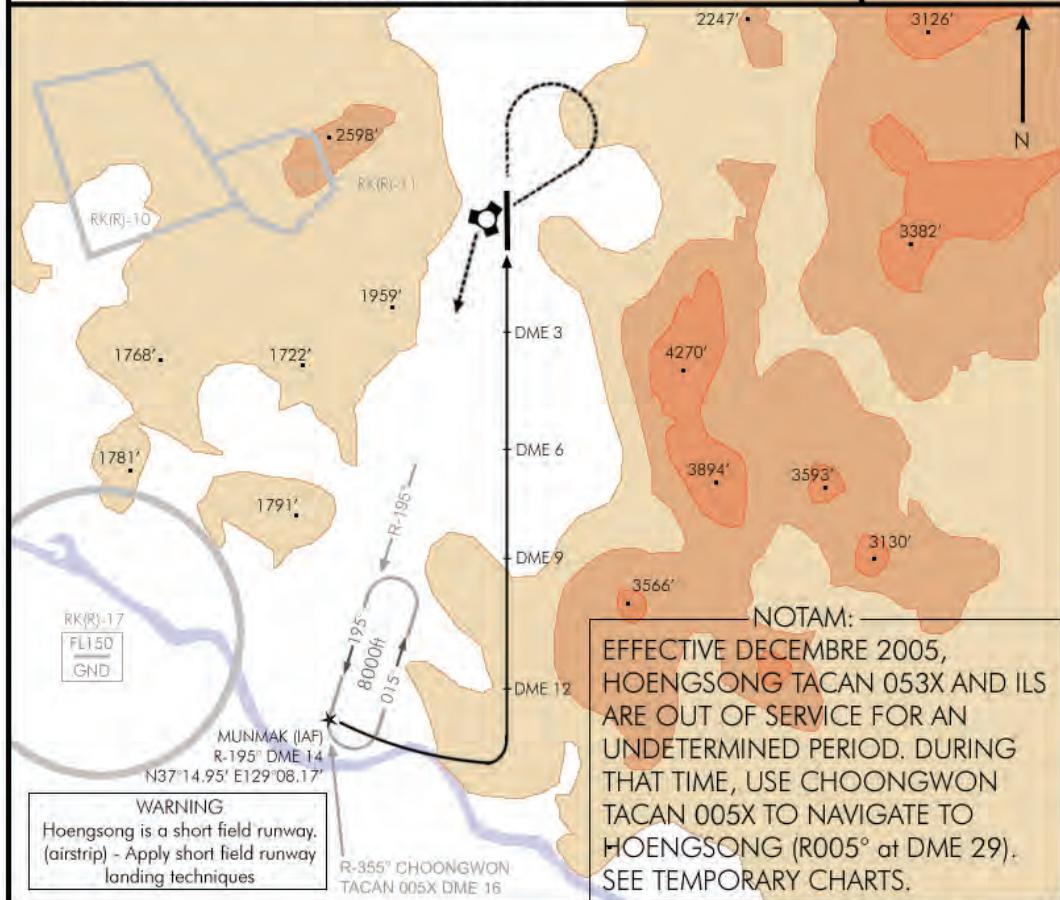
ILS RWY 36

16 Decembre 05

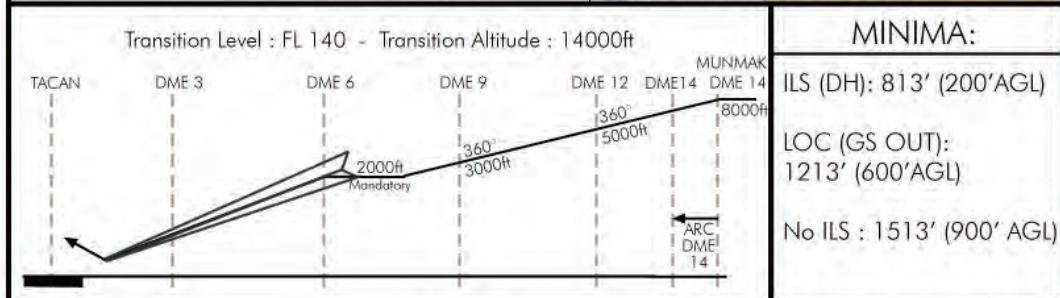
HOENGSONG (RKNW)
SOUTH KOREA

TACAN: TWR: ILS: ILS DA(H) GPS: ELEV: 
 053X 265.5/126.2 111.2 813' (200' AGL) N37°27.87' E129°13.75' 613'
 MISSED APPROACH: Climb on runway heading to 3000ft. Then RIGHT climbing

MISSED APPROACH: Climb on runway heading to 3000ft. Then RIGHT climbing turn direct to Hoengsong tacan. Then proceed on R-195° outbound tacan until MUNMAK at DME 14. Hold as published (8.000ft)



NOTAM:
EFFECTIVE DECEMBER 2005,
HOENGSONG TACAN 053X AND ILS
ARE OUT OF SERVICE FOR AN
UNDETERMINED PERIOD. DURING
THAT TIME, USE CHOONGWON
TACAN 005X TO NAVIGATE TO
HOENGSONG (R005° at DME 29).
SEE TEMPORARY CHARTS.



ILS RWY 36

NOT FOR REAL NAVIGATION - FALCON 4 ONLY

© COMBATSIM CHECKLISTS 2005

HOENGSONG (RKNW)
SOUTH KOREA

NOTAM

16 Decembre 05

HOENGSONG (RKNW)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
U.S.	265.5/126.2	FL140	14000ft	N37°27,87' E129°13.75'	613'

MSA 25 Nm
5000ft 2100ft
0300ft 6200ft

HOENGSONG TACAN 053X AND COLLOCATED ILS (111.2) ARE OUT OF SERVICE FOR AN UNDETERMINED PERIOD OF TIME.

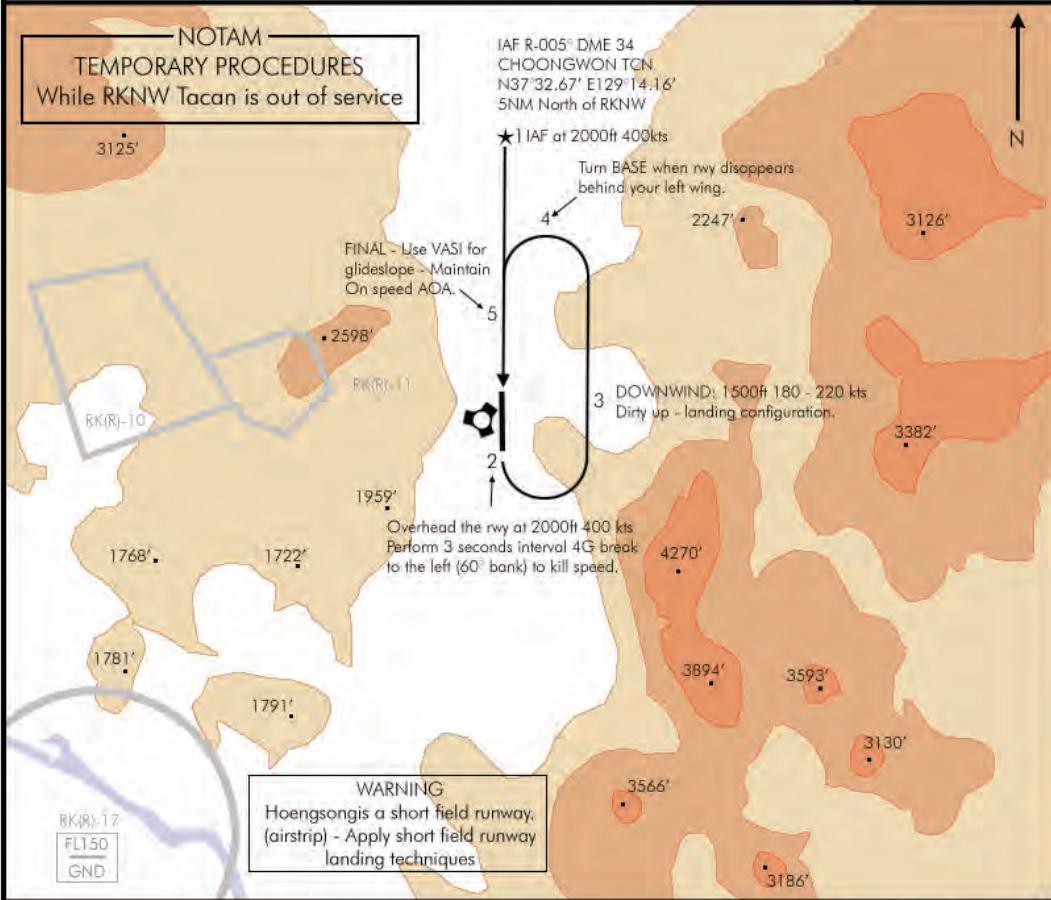
DURING THAT TIME GHOONGWON TACAN 005X HAS TO BE USED FOR NAVIGATING TO HOENGSONG AIRBASE.

HOENGSONG AB IS LOCATED ON RADIAL 005° OF CHOONGWON TACAN (005X) AT DME 29NM.

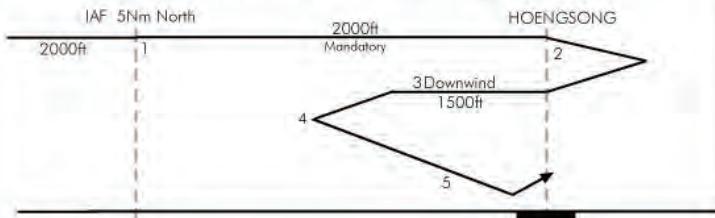
FOR ADDITIONAL INFORMATION
REFER TO CHART NOTAMS AND
TEMPORARY PROCEDURES

TACAN:	TWR:	ILS:	PATTERN:	GPS:	ELEV:
U.S.	265.5/126.2	U.S.	LEFT TURN	N37°27,87' E129°13.75'	613'

MISSED APPROACH: Climb straight ahead and re-enter the pattern maintaining correct separation.

**NOTAM****TEMPORARY PROCEDURES**
While RKNW Tacan is out of service

Transition Level : FL 140 - Transition Altitude : 14000ft

**MINIMA:**

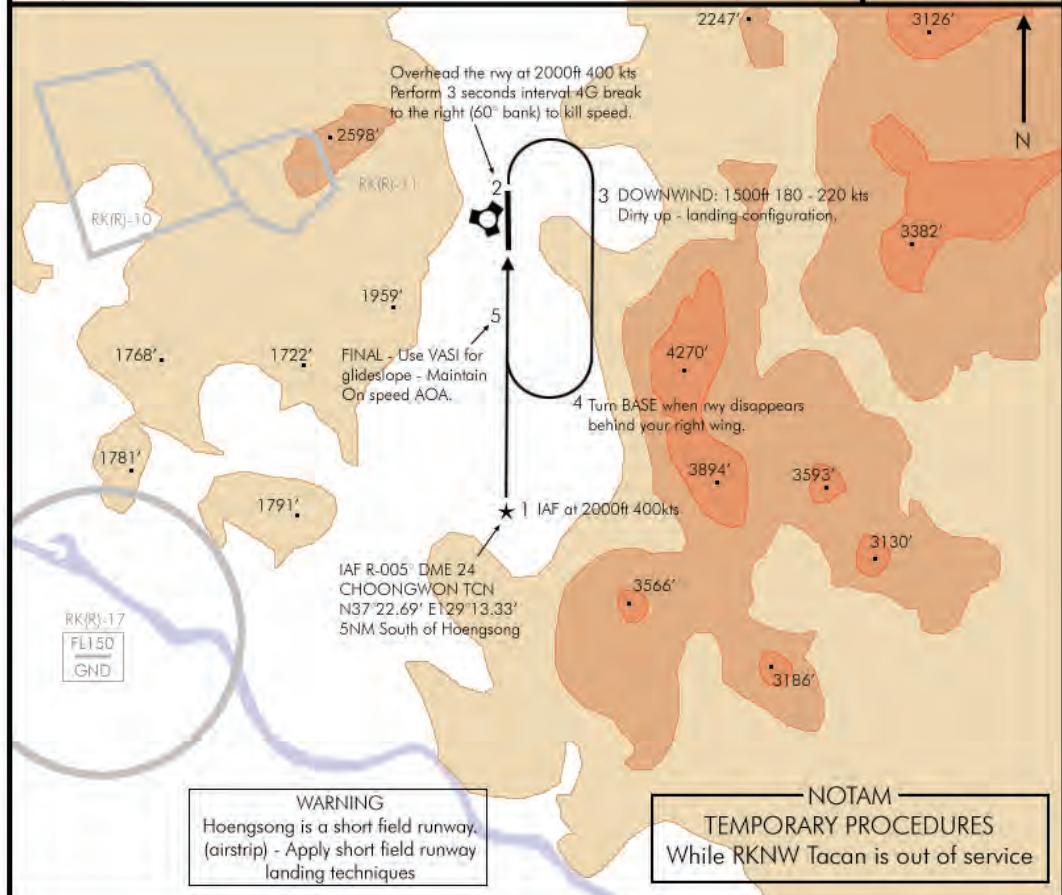
Overhead recovery :
2300 ft minimum
10Nm Visibility

VISUAL RWY 36 (TEMPORARY) 16 Decembre 05

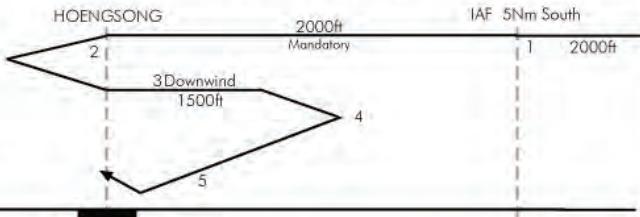
HOENGSONG (RKNW)
SOUTH KOREA

TACAN:	TWR:	ILS:	PATTERN:	GPS:	ELEV:
U.S.	265.5/126.2	U.S.	RIGHT TURN	N37°27.87' E129°13.75'	613'

MISSED APPROACH: Climb straight ahead and re-enter the pattern maintaining correct separation.



Transition Level : FL 140 - Transition Altitude : 14000ft



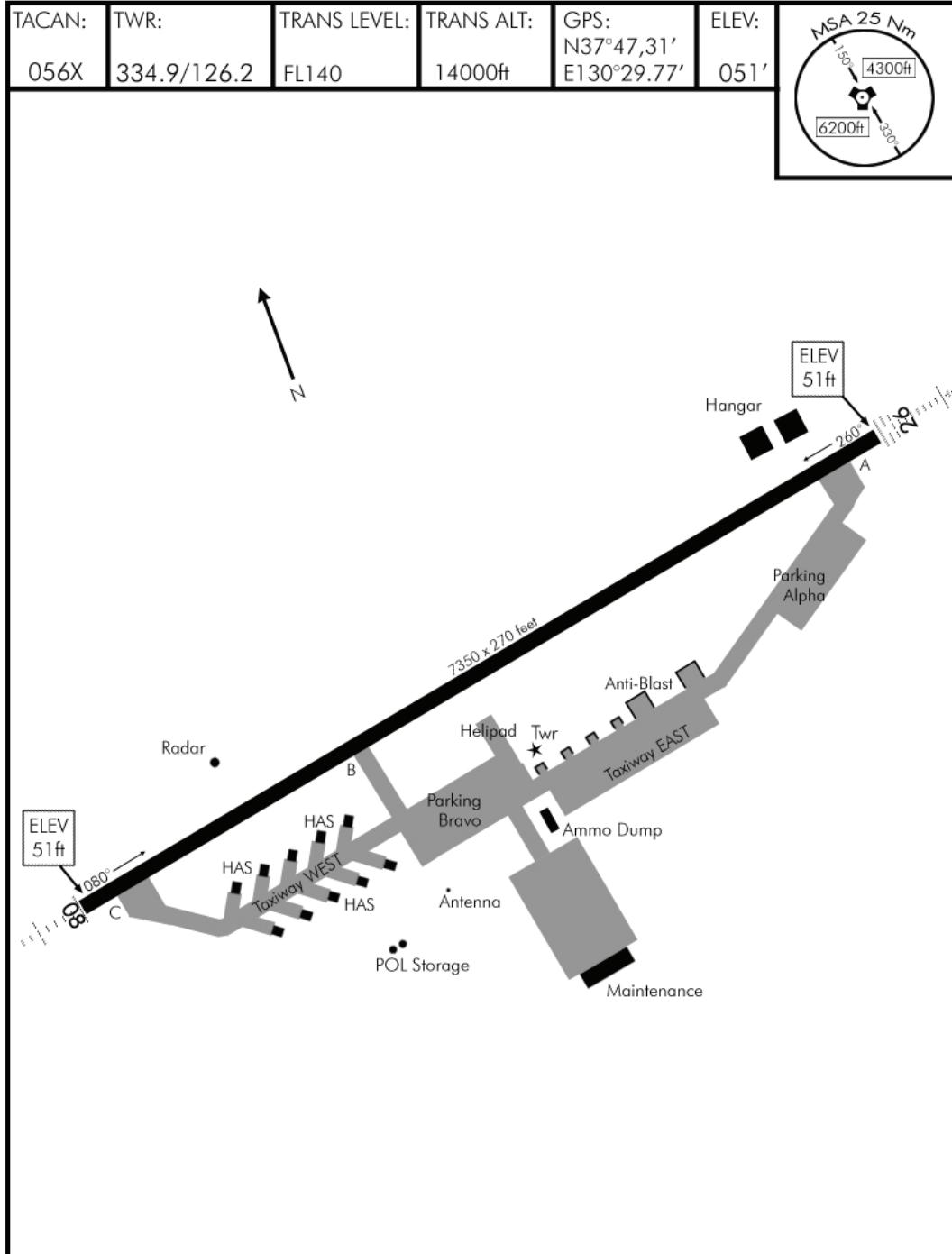
MINIMA:

Overhead recovery :
2300 ft minimum
10Nm Visibility

KOREAN NAVIGATION VOLUME

AIRPORT DIAGRAM

Date: 2 Nov 2009

KANGNUNG AERO (RKNN)
SOUTH KOREA

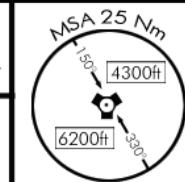
TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
056X	334.9/126.2	FL140	14000ft	N37°47,31' E130°29.77'	051'

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 08: Climb on runway heading to DME6, LEFT climbing turn to intercept R-045° inbound Kangnung tacan.

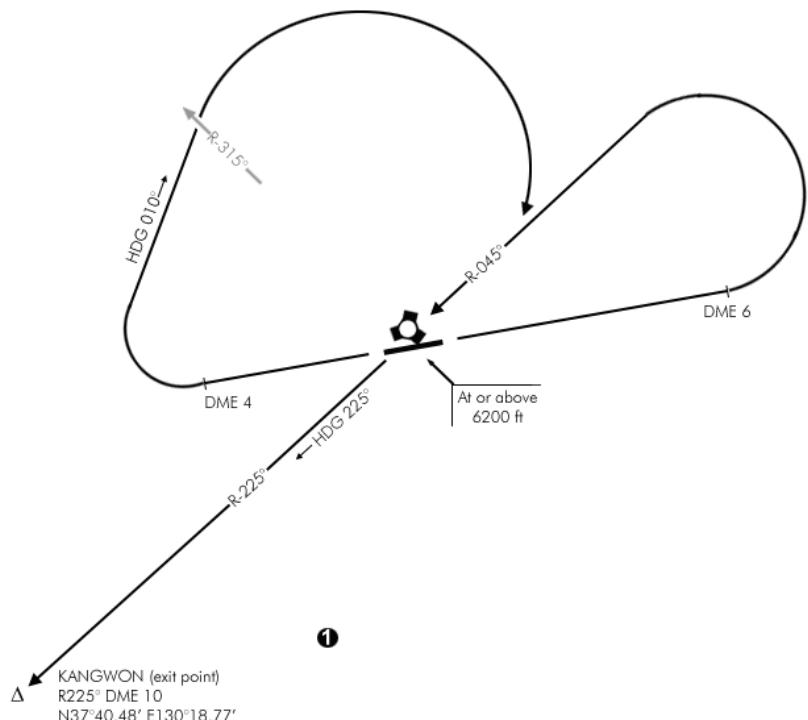
Cross Kangnung at or above 6200ft. Continue tracking R-225° outbound to Kangwon exit point. Thence...

TAKE-OFF RWY 26: Climb on runway heading to DME4, RIGHT climbing turn heading 010° until crossing R-315° Kangnung Tacan. Then Right turn to intercept R-045° inbound Kangnung Tacan. Cross Kangnung at or above 6200ft. Continue tracking R-225° outbound to Kangwon exit point. Thence...



N

- ① Controlling obstacle on R-205° Kangnung Tacan DME 6 : 2490ft
- ② Controlling obstacle on R-260° Kangnung Tacan DME 12 : 3450ft



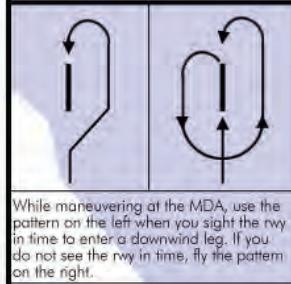
CIRCLE TO LAND RWY 08

Date: 2 Nov 2009

KANGNUNG AERO (RKNN)
SOUTH KOREA

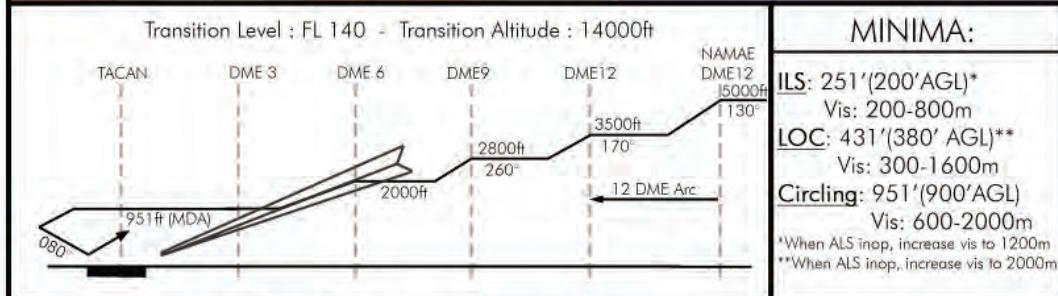
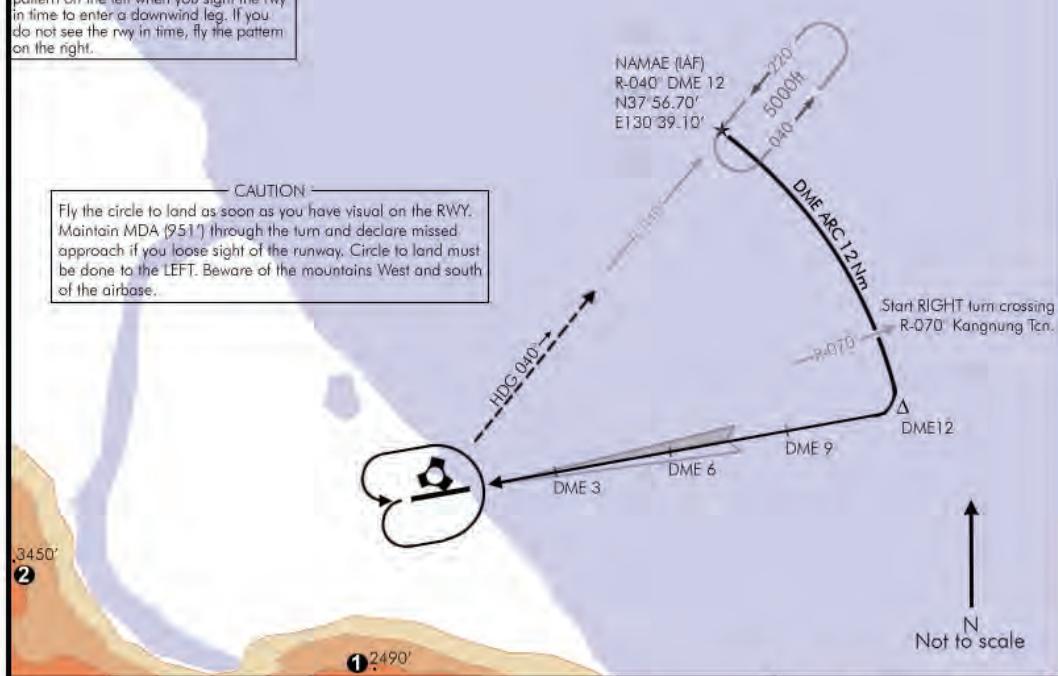
TACAN:	TWR:	ILS:	MDA (H):	FINAL:	GPS: N37°47.31' E130°29.77'	ELEV: 051'	
056X	334.9/126.2	111.5	951' (900'AGL)	080°			MALSF PAPI

MISSED APPROACH: Climbing turn to 5000 feet to intercept R-040° outbound Kangnung Tacan. Hold as published at NAMAE DME 12.



While maneuvering at the MDA, use the pattern on the left when you sight the rwy in time to enter a downwind leg. If you do not see the rwy in time, fly the pattern on the right.

- ① Controlling obstacle on R-205°
Kangnung Tacan DME 6 : 2490ft
- ② Controlling obstacle on R-260°
Kangnung Tacan DME 12 : 3450ft



CIRCLE TO LAND RWY 08

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

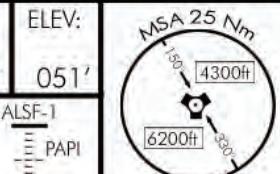
ILS RWY 26

Date: 2 Nov 2009

KANGNUNG AERO (RKNN)
SOUTH KOREA

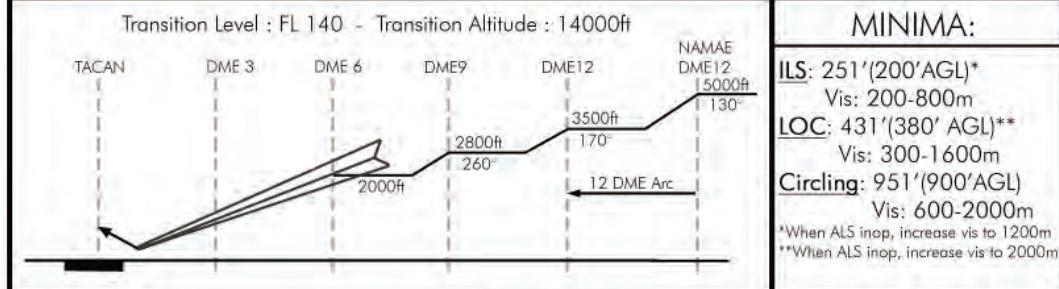
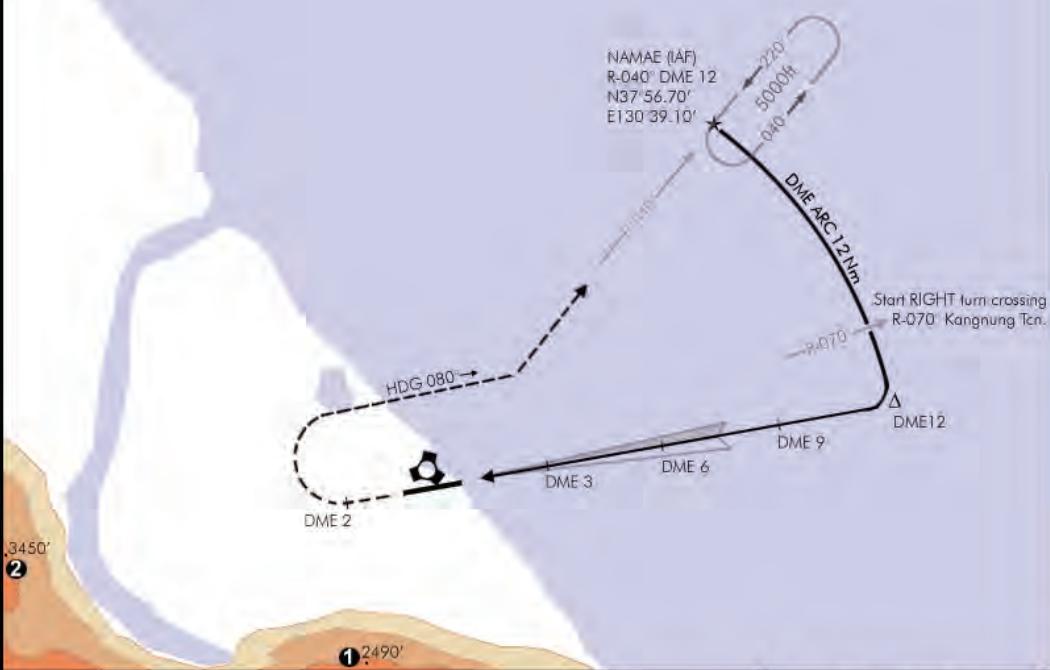
TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:	
056X	334.9/126.2	111.5	251' (200'AGL)	260°	N37°47.31' E130°29.77'	051'	

MISSED APPROACH: Climb on runway heading to DME 2, then climbing RIGHT turn to 5000ft heading 080° until intercepting R-040° Outbound Kangnung tacan Hold as published at NAMAE DME 12.



↑
N
Not to scale

- ① Controlling obstacle on R-205°
Kangnung Tacan DME 6 : 2490ft
- ② Controlling obstacle on R-260°
Kangnung Tacan DME 12 : 3450ft

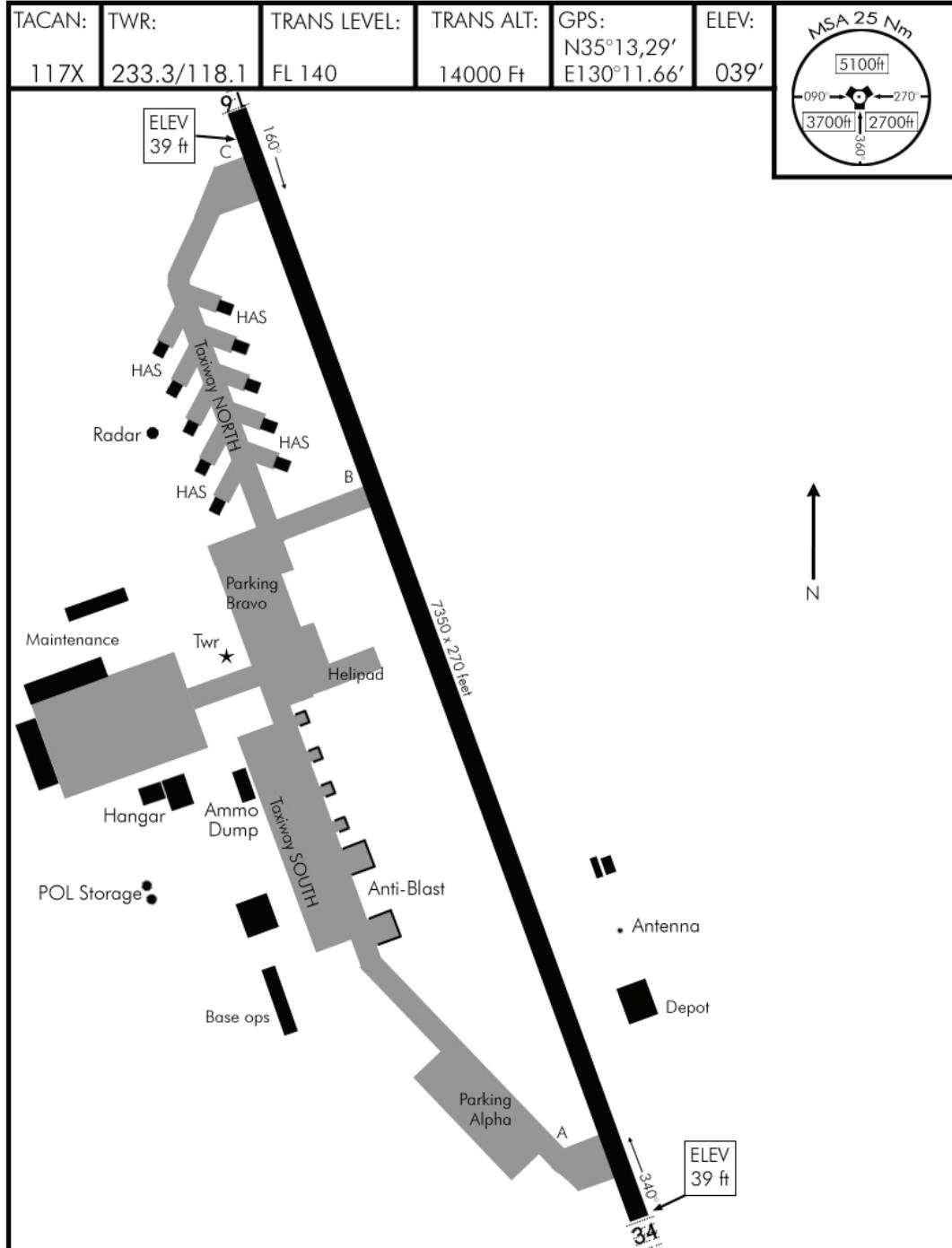


ILS RWY 26

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

AIRPORT DIAGRAM

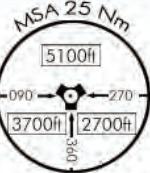
Date: 29 Nov 2009

KIMHAE INTL (RKP)K
SOUTH KOREA

NAKDONG 3A DEPARTURE Date: 22 June 2005

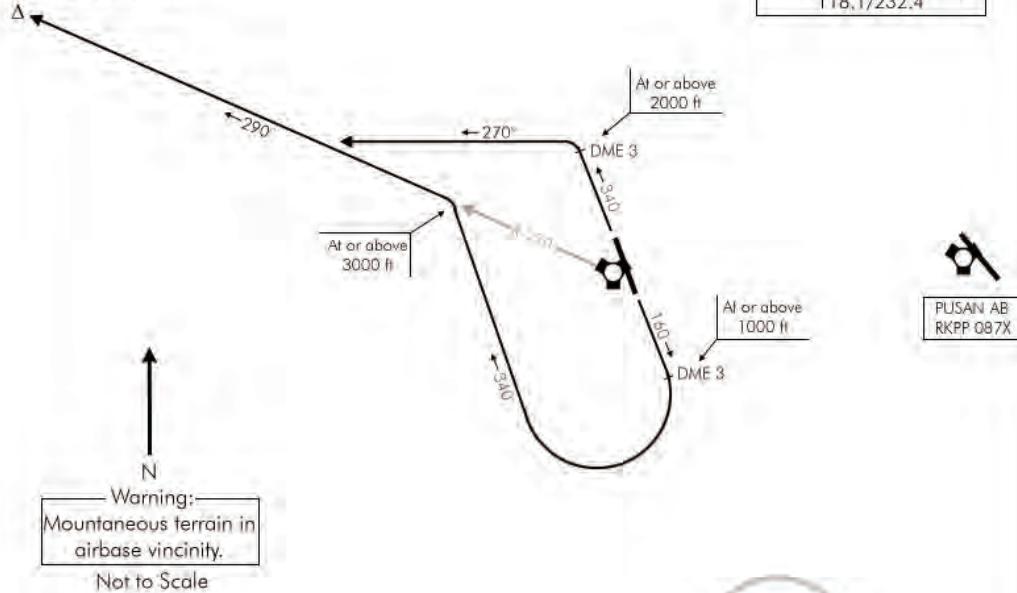
KIMHAE INTL (RKPK)
SOUTH KOREA

TACAN:	TWR:	TRANS ALT:	TRANS LEVEL:	GPS:	ELEV:
117X	233.3/118.1	14000ft	FL140	N35°13.29' E130°11.66'	039'



JINYG R-290° DME 11
KIMHAE TCN (117X)
N35°16.49' E130°11.66'

Beware of Pusan AB traffic.
Monitor Pusan TWR freq
118.1/232.4

PUSAN AB
RKPP 087X

DEPARTURE ROUTE DESCRIPTION

NAKDONG 3A SOUTH: Climb on Rwy heading (160°) until reaching DME 3 or 1000 ft whichever comes first. Then RIGHT climbing turn to heading 340° until intercepting R-290° OUTBOUND Kimhae tacan. Cross at no less than 3000 ft. Proceed via R-290° to JINYG. Cross at assigned altitude. Thence...

NAKDONG 3A NORTH: Climb on Rwy heading (340°) until reaching DME3 or 2000 ft whichever comes first. Then LEFT climbing turn heading 270° to intercept R-290° OUTBOUND Kimhae tacan. Cross at no less than 3000 ft. Proceed via R-290° to JINYG. Cross at assigned altitude. Thence...

NAKDONG 4A DEPARTURE Date: 29 Nov 2009

KIMHAE INTL (RKPK)
SOUTH KOREA

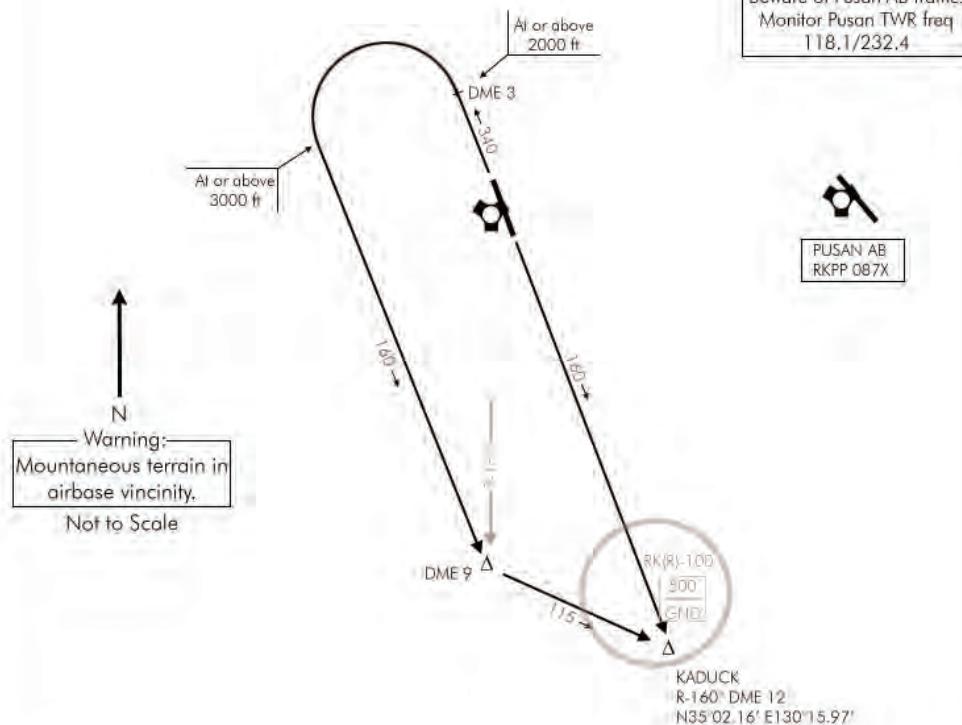
TACAN:	TWR:	TRANS ALT:	TRANS LEVEL:	GPS:	ELEV:
117X	233.3/118.1	14000ft	FL140	N35°13.29' E130°11.66'	039'



DEPARTURE ROUTE DESCRIPTION

NAKDONG 4A SOUTH: Climb on Rwy heading (160°) and proceed via R-160° OUTBOUND to KADUCK.

Cross KADUCK at assigned altitude. Thence...

NAKDONG 4A NORTH: Climb on Rwy heading (340°) until reaching DME3 or 2000 ft whichever comes first. Then LEFT climbing turn heading 160° until crossing R-180° Kimhae Tacan at approx DME 9. Turn LEFT direct to KADUCK on heading 115°. Cross KADUCK at assigned altitude. Thence...

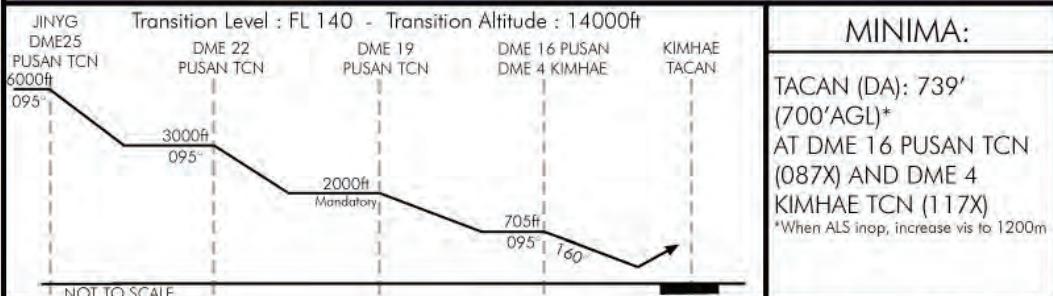
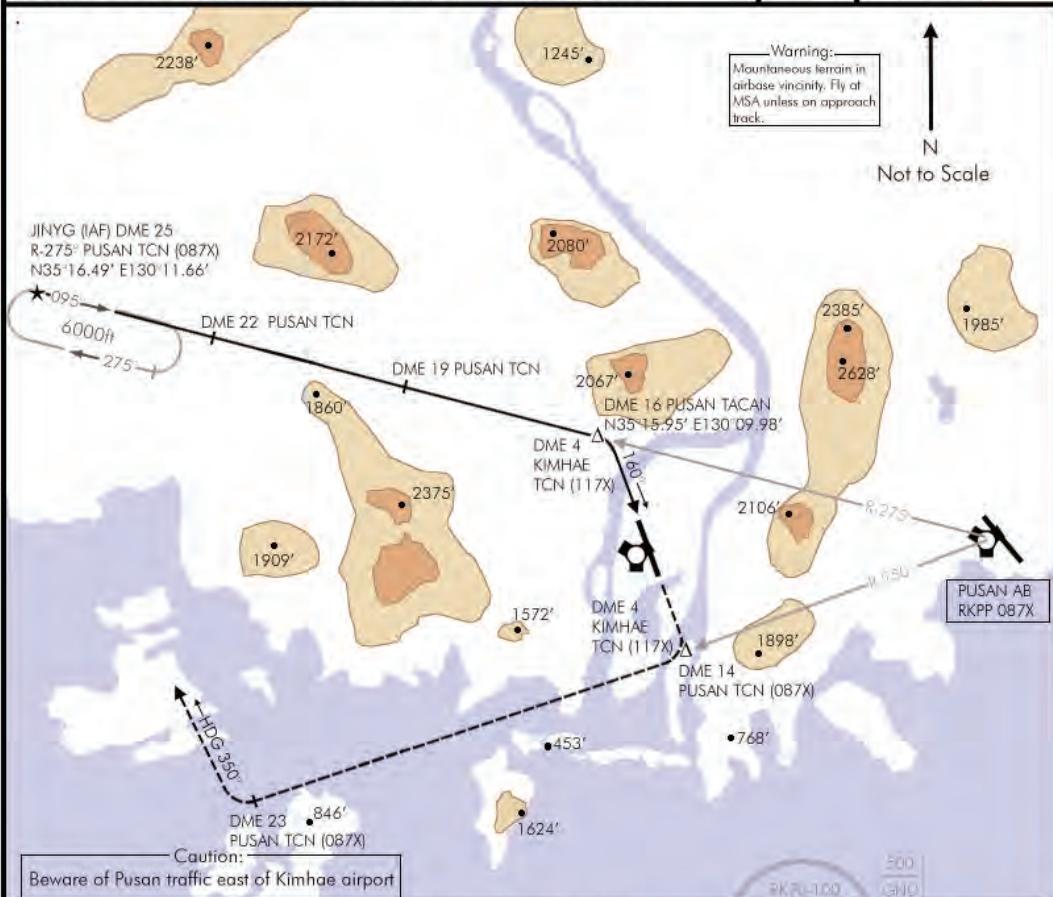
TACAN RWY 16

Date: 29 Nov 2009

KIMHAE INTL (RKPK)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	GPS: N35°13.29' E130°11.66'	ELEV: 039'	
117X Kimhae/087X Pusan	233.3/118.1	739' (700' AGL)		MALSF PAPI	

MISSED APPROACH: Climb on runway heading to DME4 Kimhae TCN then climbing RIGHT turn to 6000' to intercept R-250° outbound Pusan Tcn. At DME 23 Pusan Tcn, RIGHT turn to 350° direct to JINYG.



TACAN RWY 16

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

KOREAN NAVIGATION VOLUME

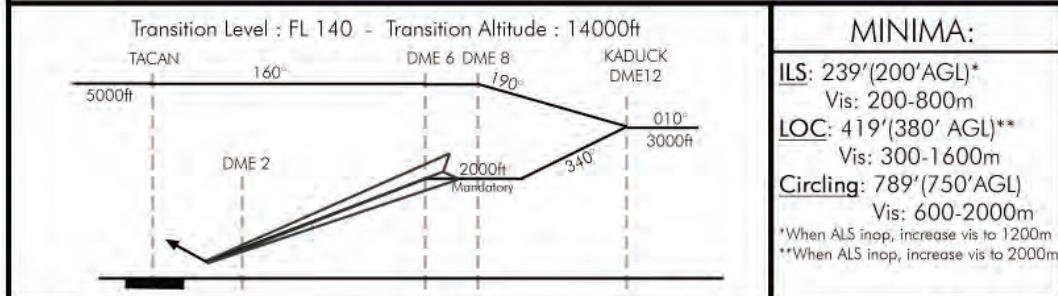
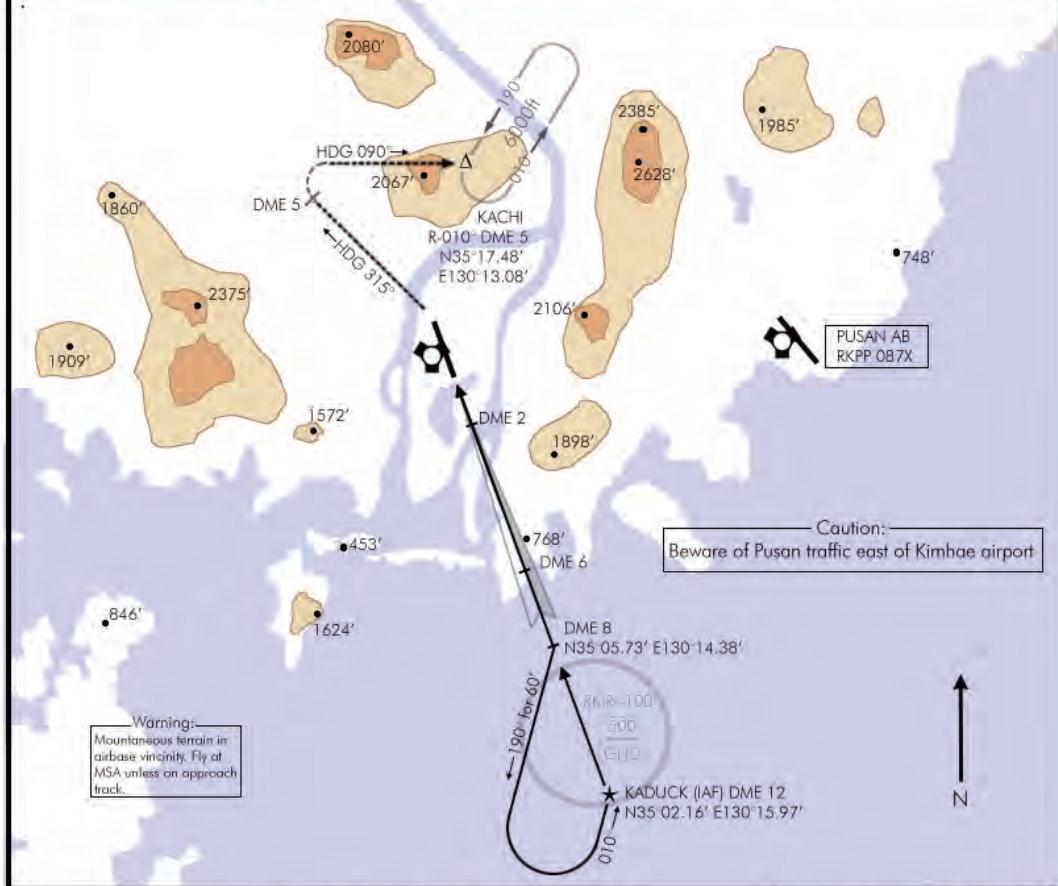
ILS RWY 34

Date: 29 Nov 2009

KIMHAE INTL (RKPK)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:	
117X	233.3/118.1	109.5	239' (200'AGL)	340°	N35°13.29' E130°11.66'	039'	

MISSED APPROACH: Climb on runway heading to 500', then climbing LEFT turn to 4000ft heading 315° until 5 DME Kimhae tacan. Then climbing RIGHT turn to 6000ft heading 090° and hold at KACHI.



ILS RWY 34

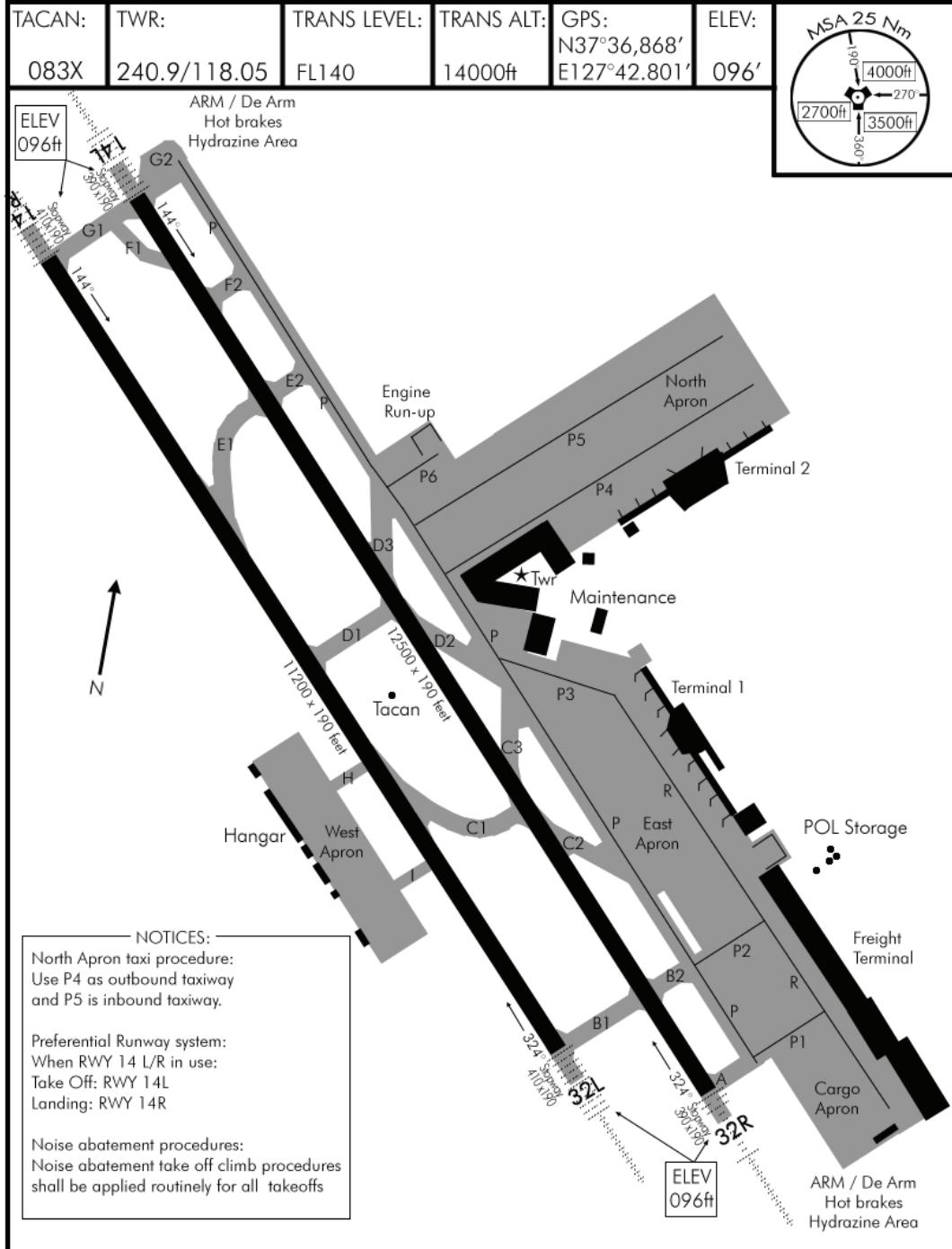
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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KIMHAE INTL (RKPK)
SOUTH KOREA

AIRPORT DIAGRAM

Date: 30 March 2011

KIMPO INTL (RKSS)
SOUTH KOREA

AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

KIMPO 1W&1E DEPARTURE Date: 30 March 2011

KIMPO INTL (RKSS)
SOUTH KOREA

TACAN:	TWR 083X	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
	240.9/118.05	FL140	14000ft	N37°36.868' E127°42.801'	096'

DEPARTURE ROUTE DESCRIPTION

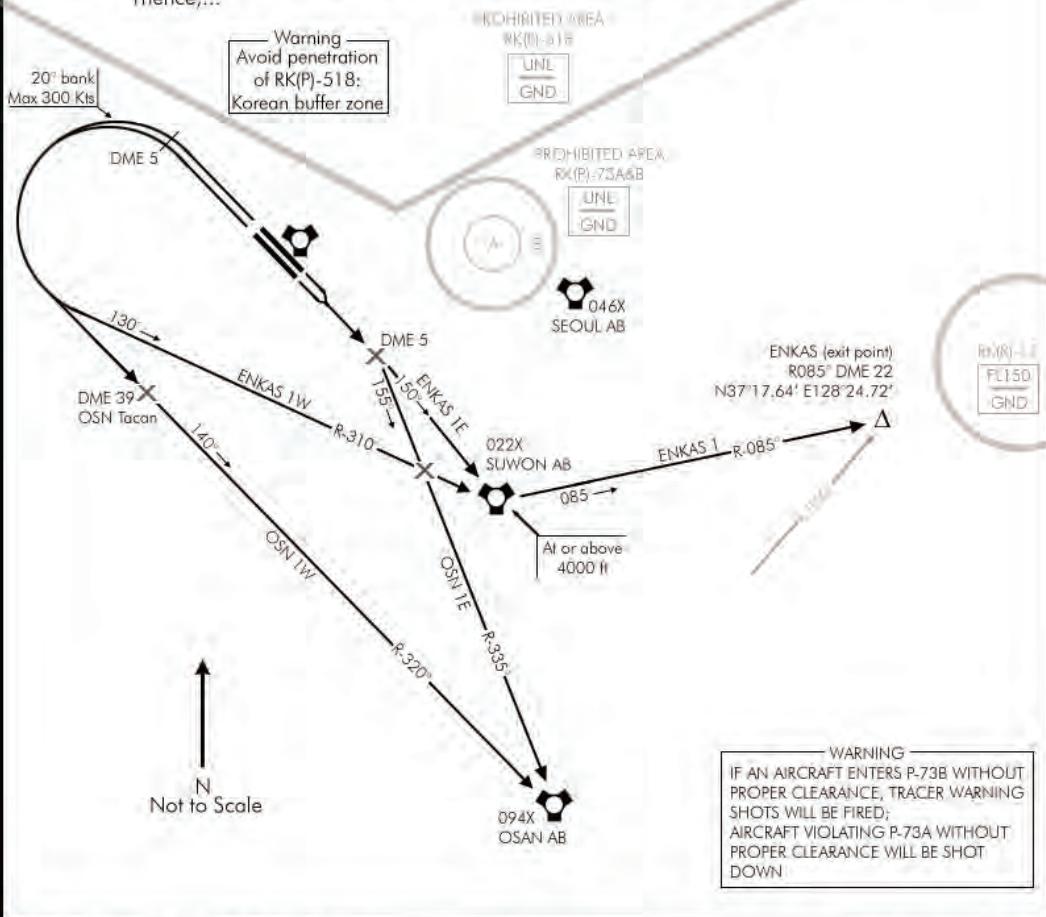
OSN 1W: Climb on Rwy heading until DME 5 Kimpo tacan or reaching 2500' whichever comes first. Then LEFT climbing turn to intercept OSN R-320° and proceed direct to OSN tacan. MAINTAIN 8000ft until crossing OSN. Thence,...

ENKAS1W: Climb on Rwy heading until DME 5 Kimpo tacan or reaching 2500' whichever comes first.

Then LEFT climbing turn to intercept SUWON R-310° and proceed direct to Suwon tacan. Cross Suwon at or above 4000'. At Suwon tacan, proceed to ENKAS Int via R-085° outbound. Cross ENKAS at assigned altitude. Thence,...

OSN 1E: Climb on Rwy heading until DME 5 Kimpo tacan then turn RIGHT and proceed to OSN tcn via R-335°. Maintain 5000' until crossing OSN. Thence,...

ENKAS 1E: Climb on Rwy heading until DME 5 Kimpo tacan then turn RIGHT to 150° and proceed direct to Suwon tcn. Cross Suwon at or above 4000' then proceed to ENKAS Int via R-085° outbound. Cross ENKAS at assigned altitude. Thence,...



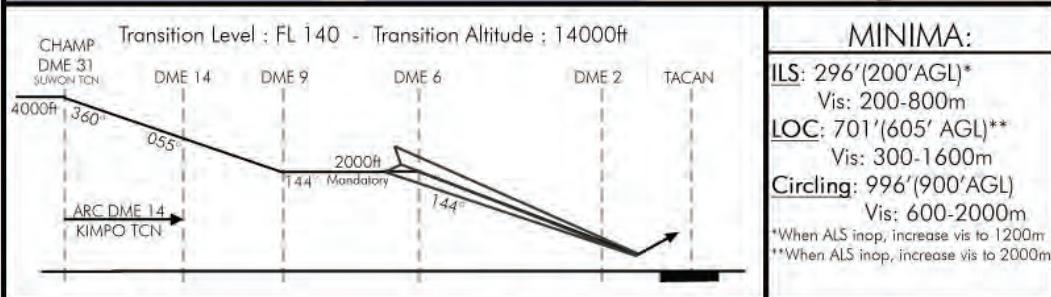
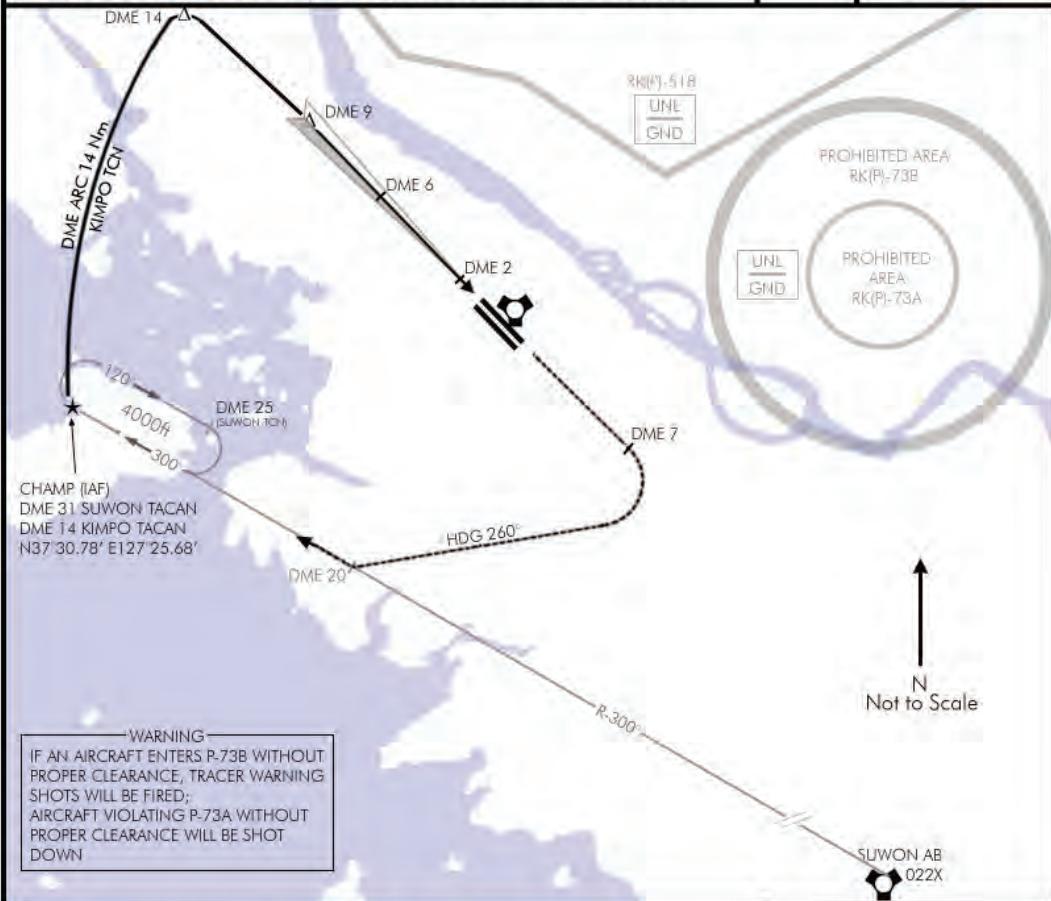
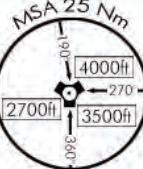
KOREAN NAVIGATION VOLUME

Date: 30 March 2011

KIMPO INTL (RKSS)
SOUTH KOREA

ILS RWY 14L

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
083X	240.9/118.05	109.9	296' (200' AGL)	144°	N37°36.868' E127°42.801'	096'
MISSED APPROACH: Climb straight ahead outbound via R-140° Kimpo tacan until DME 7. Then turn RIGHT 260° to intercept and proceed outbound via R-300° Suwon tacan to CHAMP fix. Hold at 4000ft.						



ILS RWY 14L

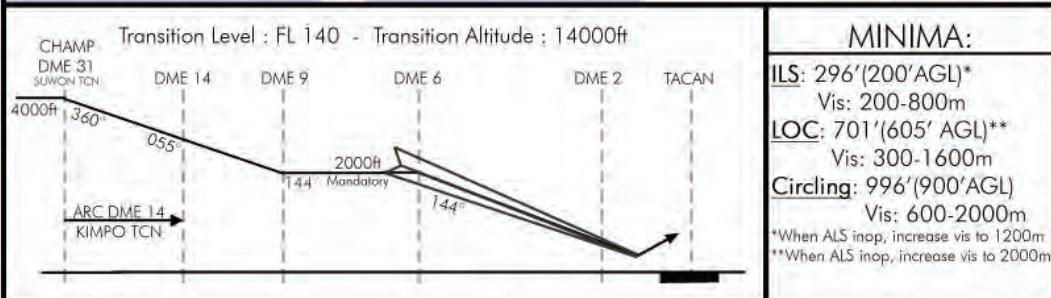
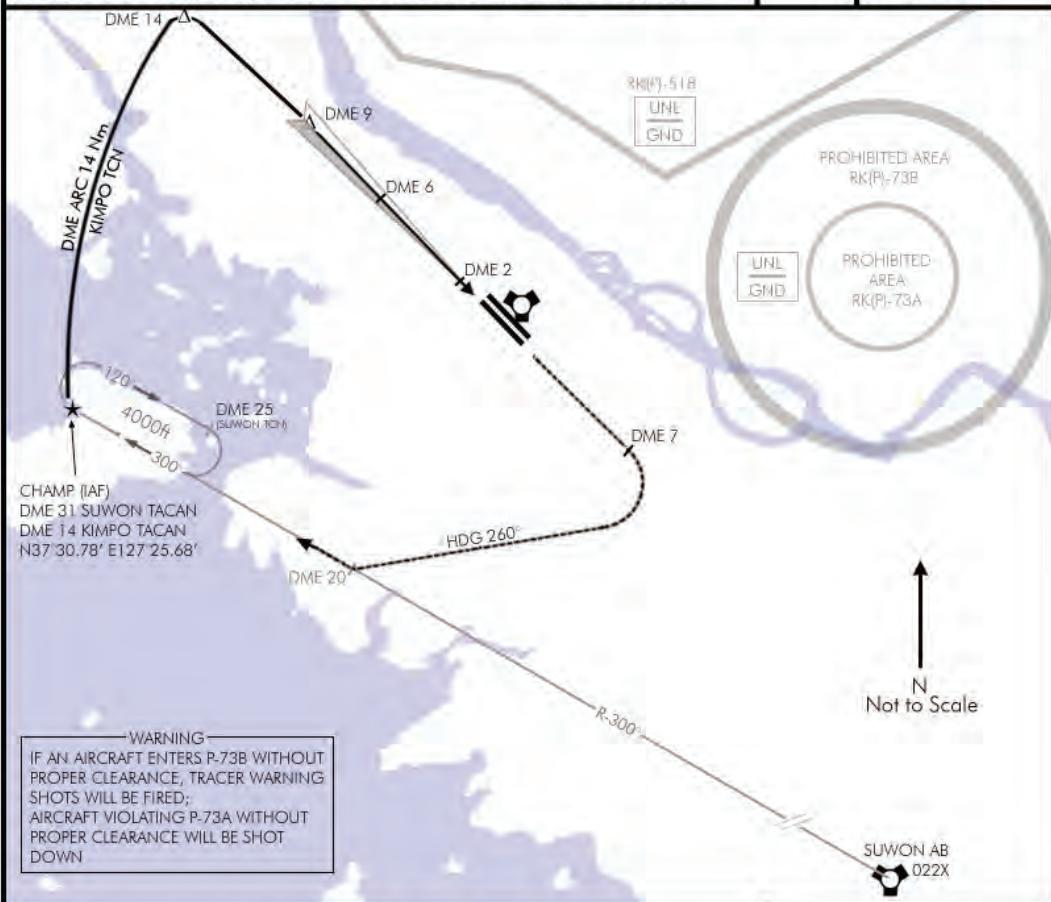
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

ILS RWY 14R

Date: 30 March 2011

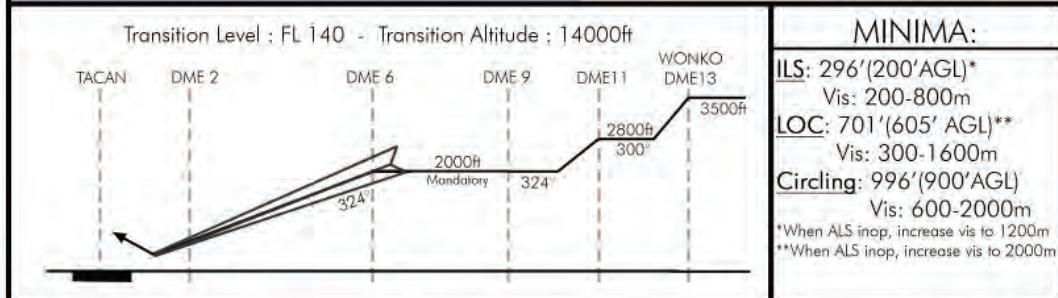
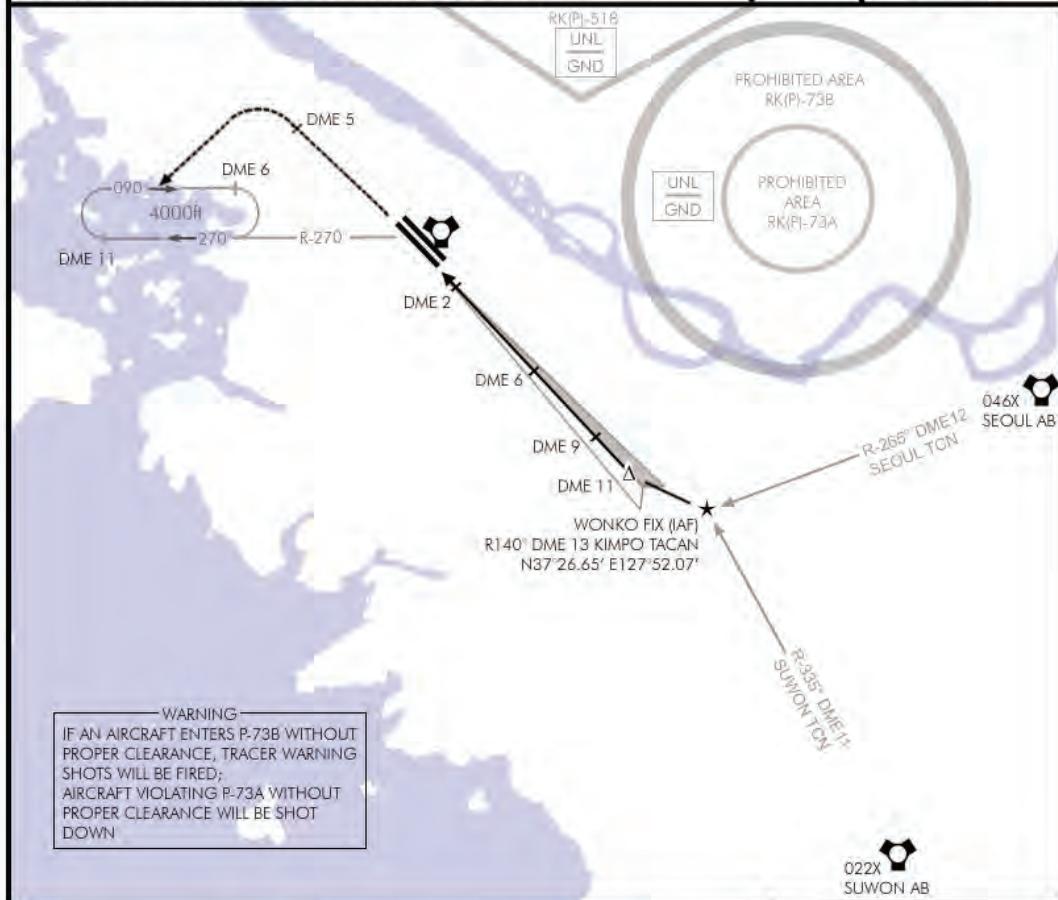
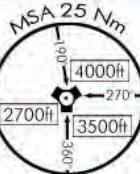
KIMPO INTL (RKSS)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
083X	240.9/118.05	110.1	296' (200' AGL)	144°	N37°36.868' E127°42.801'	096'
MISSSED APPROACH: Climb straight ahead outbound via R-140° Kimpo tacan until DME 7. Then turn RIGHT 260° to intercept and proceed outbound via R-300° Suwon tacan to CHAMP fix. Hold at 4000ft.						



TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:	
083X	240.9/118.05	108.3	296'(200'AGL)	324°	N37°36.868' E127°42.801'	096'	

MISSED APPROACH: Climb straight ahead until DME 5 or reaching 2500ft, whichever comes first. Then turn LEFT and proceed to R-270° DME11 KIMPO tacan and hold as published at 4000ft.

ALSF-2
PAPI

MINIMA:

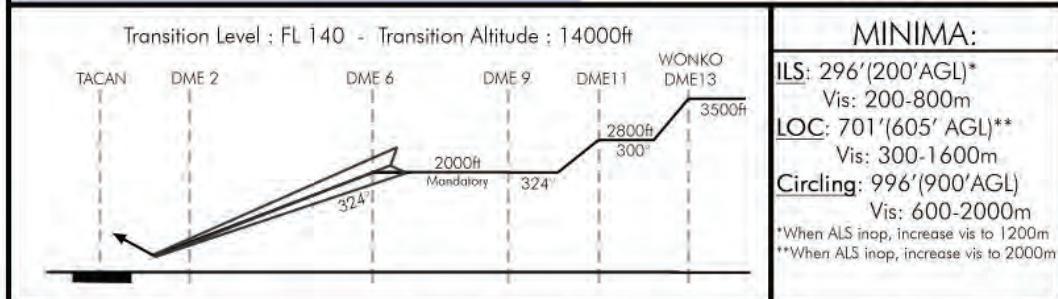
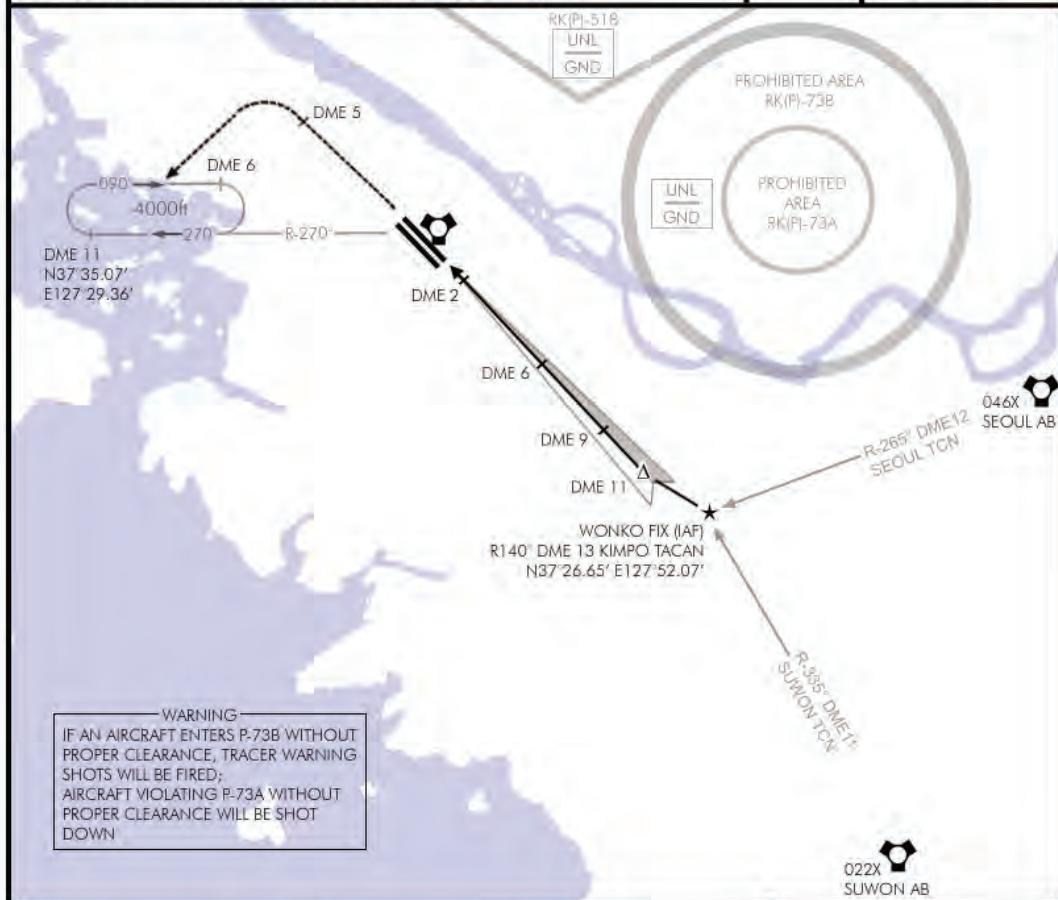
- ILS: 296'(200'AGL)*
Vis: 200-800m
- LOC: 701'(605' AGL)**
Vis: 300-1600m
- Circling: 996'(900'AGL)
Vis: 600-2000m
- *When ALS inop, increase vis to 1200m
- **When ALS inop, increase vis to 2000m

ILS RWY 32R

Date: 30 March 2011

KIMPO INTL (RKSS)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
083X	240.9/118.05	110.7	296' (200' AGL)	324°	N37°36.868' E127°42.801'	096'
MISSIED APPROACH: Climb straight ahead until DME 5 or reaching 2500ft, whichever comes first. Then turn LEFT and proceed to R-270° DME11 KIMPO tacan and hold as published at 4000ft.						ALSF-1 PAPI



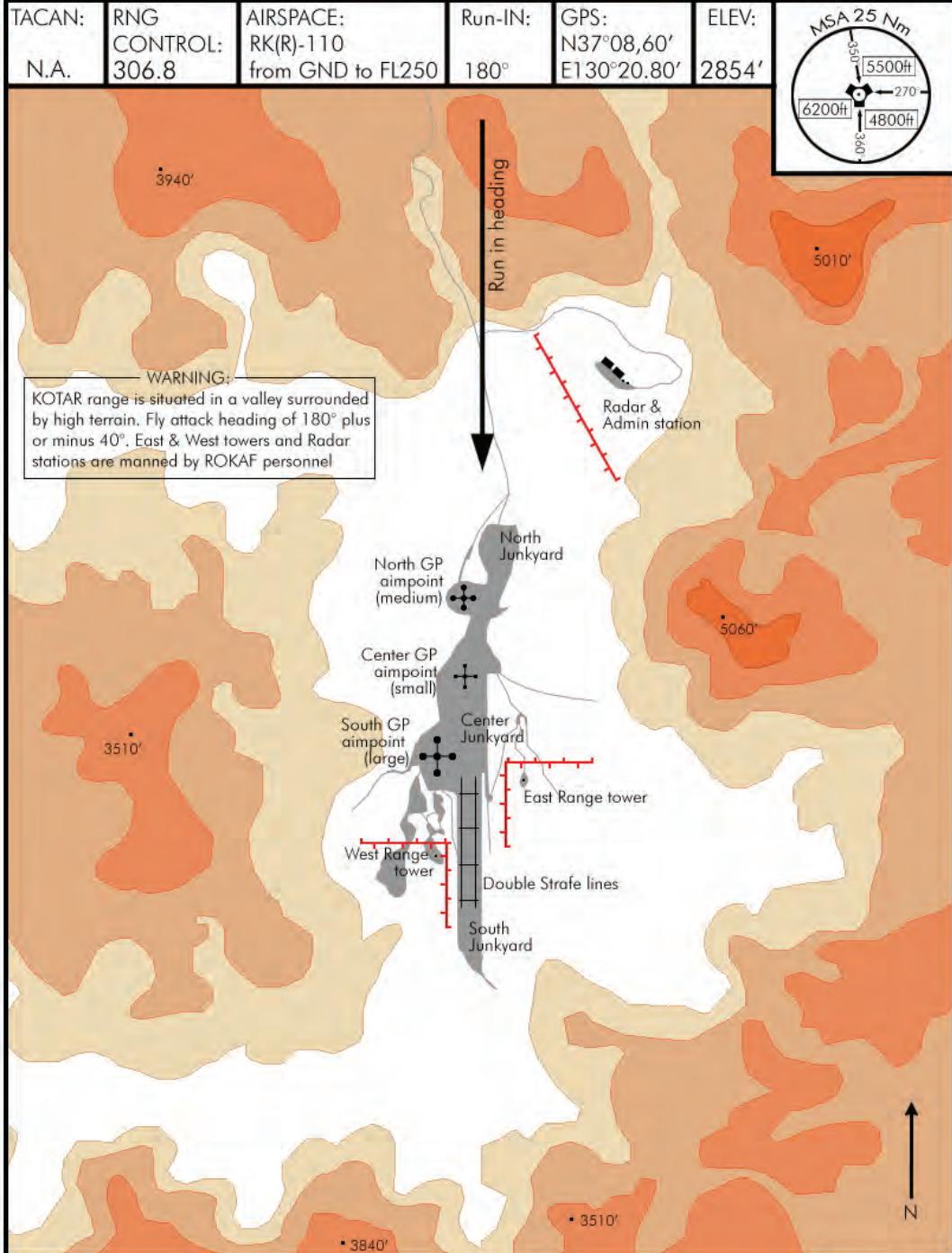
ILS RWY 32R

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

KOREAN NAVIGATION VOLUME

RANGE DIAGRAM

Date: 2 Feb 2010

KOTAR RANGE
SOUTH KOREA

RANGE DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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KOTAR RANGE
SOUTH KOREA

KOREAN NAVIGATION VOLUME

AREA CHART

Date: 2 Feb 2010

KOTAR RANGE
SOUTH KOREA

AREA CHART

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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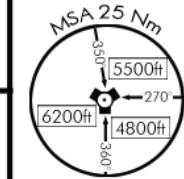
KOTAR RANGE
SOUTH KOREA

TARGET LIST

Date: 2 Feb 2010

KOTAR RANGE
SOUTH KOREA

TACAN: N.A.	RNG CONTROL: 306.8	AIRSPACE: RK(R)-110 from GND to FL250	Run-IN: 180°	GPS: N37°08.60', E130°20.80'	ELEV: 2854'
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**North Junkyard:**

- Mig-15 #1: N37°08.651' - E130°20.790'
 Mig-15 #2: N37°08.651' - E130°20.866'
 Mig-15 #3: N37°08.627' - E130°20.829'
 Mig-15 #4: N37°08.605' - E130°20.781'
 Mig-15 #5: N37°08.579' - E130°20.806'
 Mig-15 #6: N37°08.603' - E130°20.844'
 Mig-15 #7: N37°08.575' - E130°20.827'
 Mig-15 #8: N37°08.551' - E130°20.796'

North GP aimpoints (medium):

- Crater North : N37°08.526' - E130°20.702'
 Crater Center: N37°08.503' - E130°20.698'
 Crater East: N37°08.503' - E130°20.728'
 Crater West: N37°08.503' - E130°20.668'
 Crater South: N37°08.484' - E130°20.696'

Center Junkyard:

- F-4 #1: N37°08.400' - E130°20.696'
 F-4 #2: N37°08.398' - E130°20.718'
 F-4 #3: N37°08.392' - E130°20.739'
 F-4 #4: N37°08.271' - E130°20.712'
 F-4 #5: N37°08.260' - E130°20.712'
 F-4 #6: N37°08.250' - E130°20.711'
 Mig-15 #1: N37°08.219' - E130°20.663'
 Mig-15 #2: N37°08.204' - E130°20.656'
 Mig-15 #3: N37°08.192' - E130°20.663'
 Mig-15 #3: N37°08.192' - E130°20.663'
 Mig-15 #4: N37°08.157' - E130°20.665'
 Mig-15 #5: N37°08.161' - E130°20.677'
 Mig-15 #6: N37°08.135' - E130°20.682'
 Mig-15 #7: N37°08.119' - E130°20.676'
 Mig-15 #8: N37°08.098' - E130°20.674'
 Huey #1: N37°08.110' - E130°20.657'
 Huey #2: N37°08.099' - E130°20.651'
 Huey #3: N37°08.088' - E130°20.652'
 M2A3 #1: N37°08.188' - E130°20.713'
 M2A3 #2: N37°08.173' - E130°20.715'
 M2A3 #3: N37°08.158' - E130°20.729'
 M2A3 #4: N37°08.144' - E130°20.709'
 M2A3 #5: N37°08.126' - E130°20.720'
 M2A3 #6: N37°08.093' - E130°20.718'

South GP aimpoints (large targets):

- Target North : N37°08.166' - E130°20.595'
 Target Center: N37°08.128' - E130°20.588'
 Target East: N37°08.127' - E130°20.640'
 Target West: N37°08.129' - E130°20.541'
 Target South: N37°08.086' - E130°20.584'

Center GP aimpoints (small):

- Crater North : N37°08.342' - E130°20.695'
 Crater Center: N37°08.317' - E130°20.689'
 Crater East: N37°08.314' - E130°20.720'
 Crater West: N37°08.319' - E130°20.657'
 Crater South: N37°08.293' - E130°20.684'

Double Strafe Line targets:

- West Row #1: N37°08.025' - E130°20.652'
 West Row #2: N37°07.961' - E130°20.649'
 West Row #3: N37°07.895' - E130°20.645'
 West Row #4: N37°07.839' - E130°20.641'
 East Row #1: N37°08.025' - E130°20.684'
 East Row #2: N37°07.961' - E130°20.681'
 East Row #3: N37°07.895' - E130°20.677'
 East Row #4: N37°07.839' - E130°20.674'

South Junkyard:

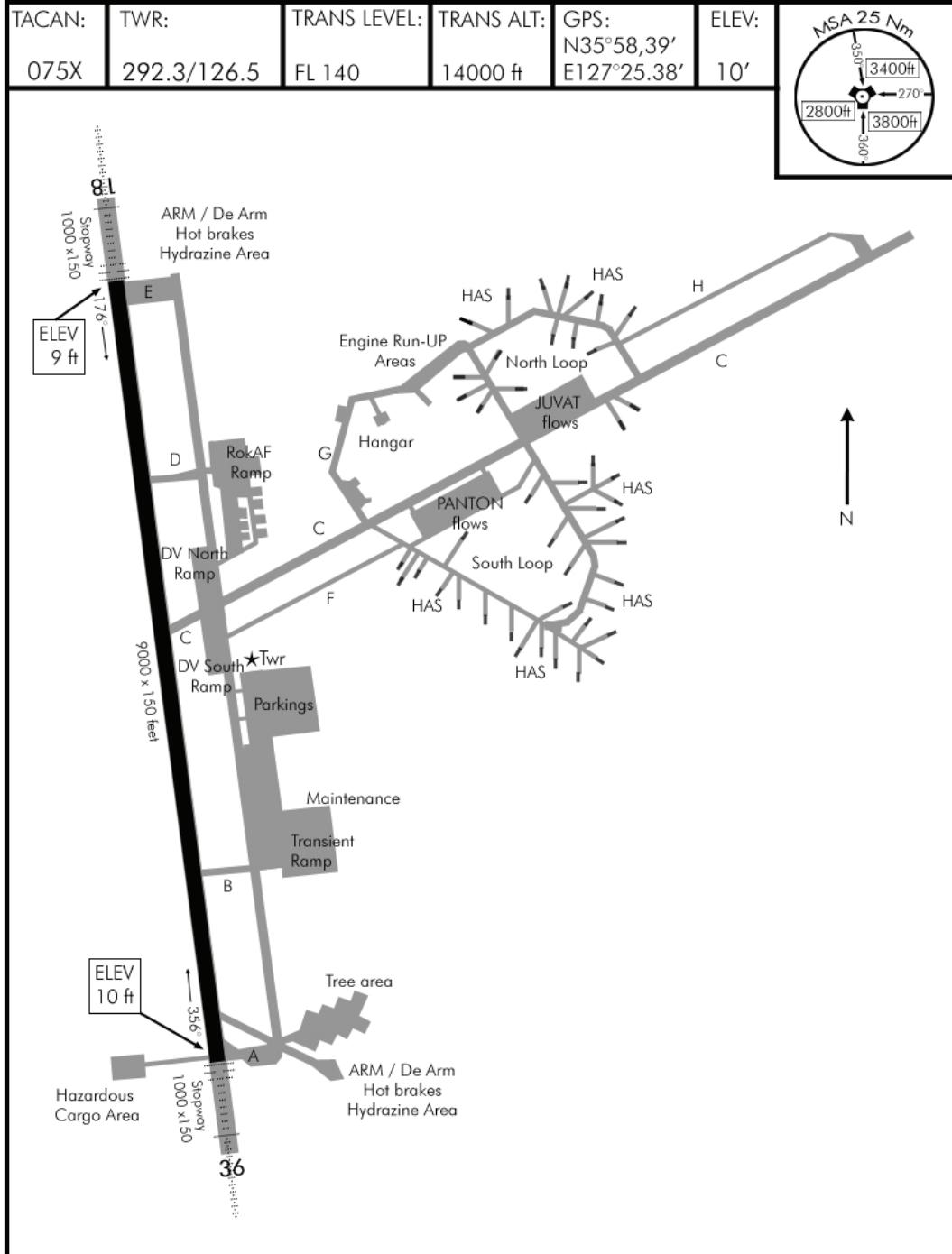
- M2A3 #1: N37°07.746' - E130°20.624'
 M2A3 #2: N37°07.732' - E130°20.621'
 M2A3 #3: N37°07.717' - E130°20.631'
 M2A3 #4: N37°07.738' - E130°20.650'
 M2A3 #5: N37°07.715' - E130°20.668'

TARGET LIST

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

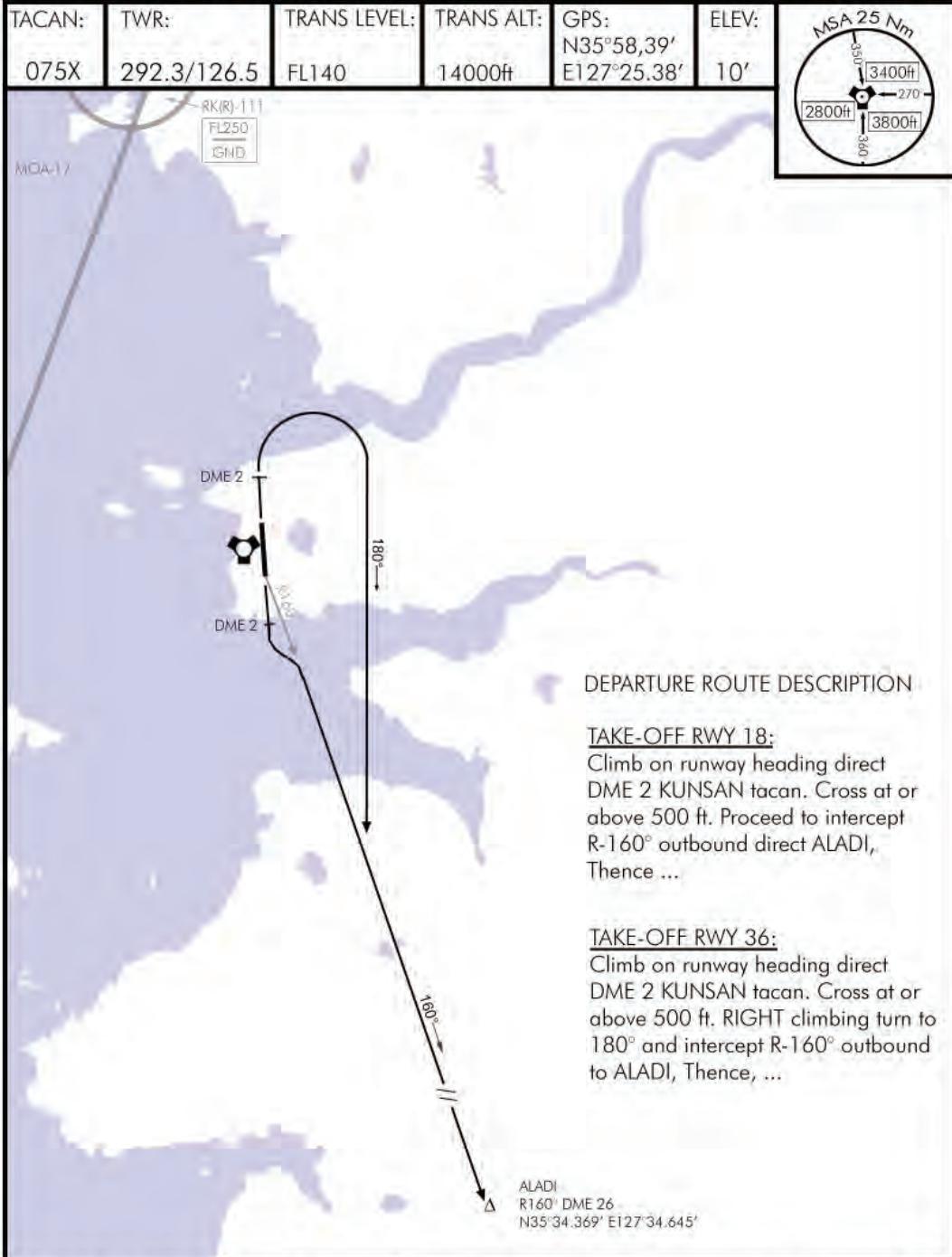
AIRPORT DIAGRAM

Date: 18 Nov 09

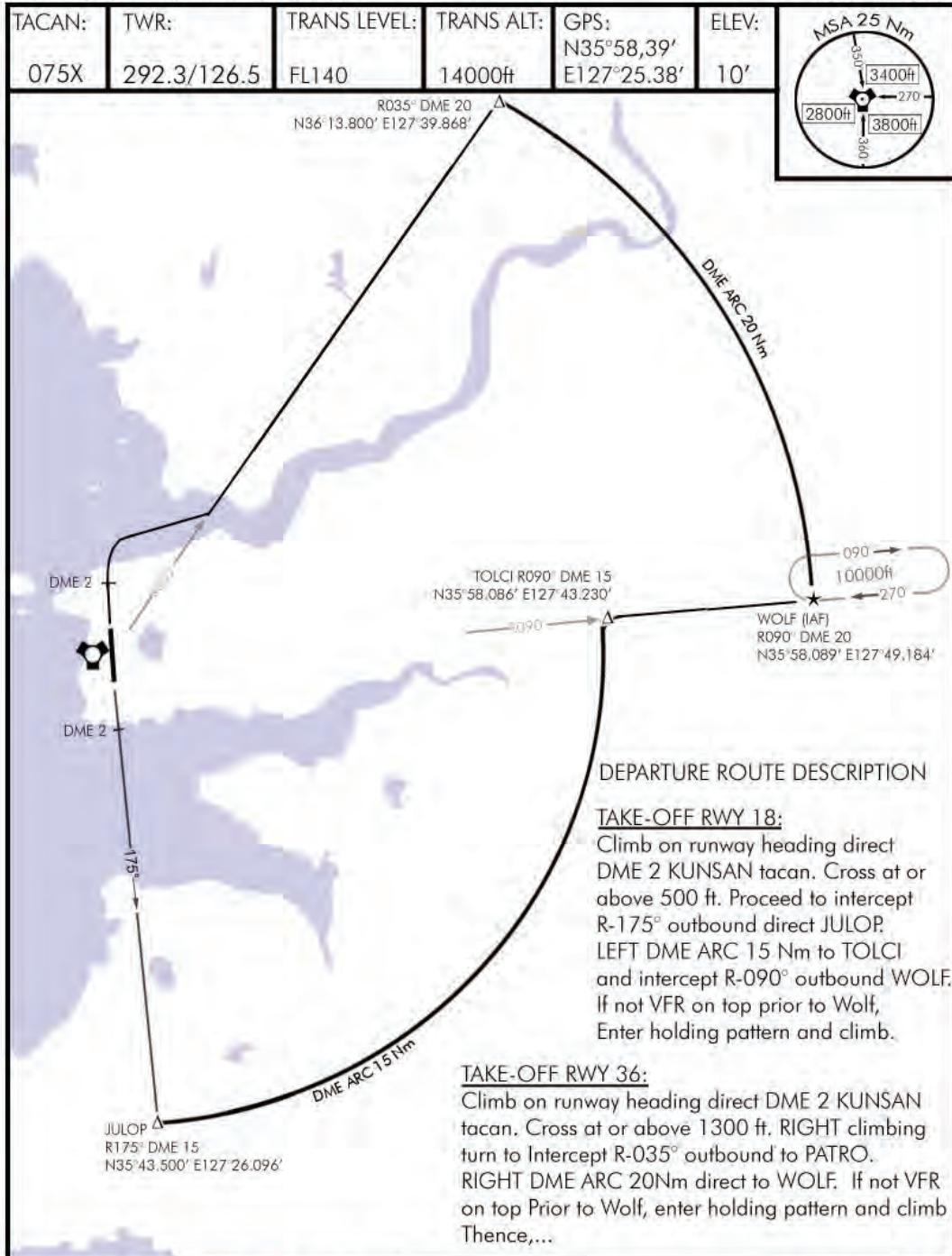
KUNSAN AB (RKJK)
SOUTH KOREA

ALADI ONE DEPARTURE

Date: 18 Nov 09

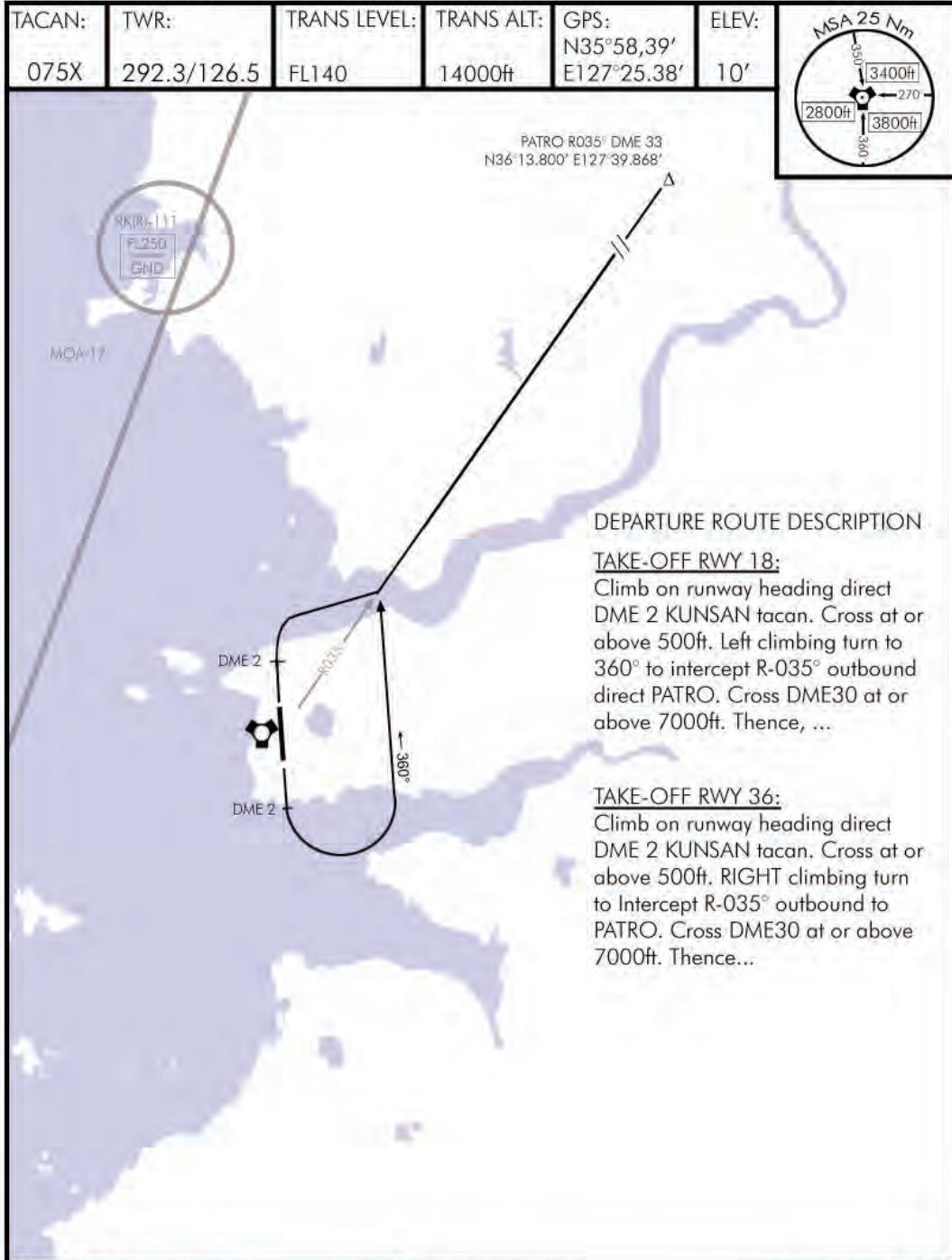
KUNSAN AB (RKJK)
SOUTH KOREA

COYOTE THREE DEPARTURE Date: 18 Nov 09

KUNSAN AB (RKJK)
SOUTH KOREA

PATRO DEPARTURE

Date: 18 Nov 09

KUNSAN AB (RKJK)
SOUTH KOREA

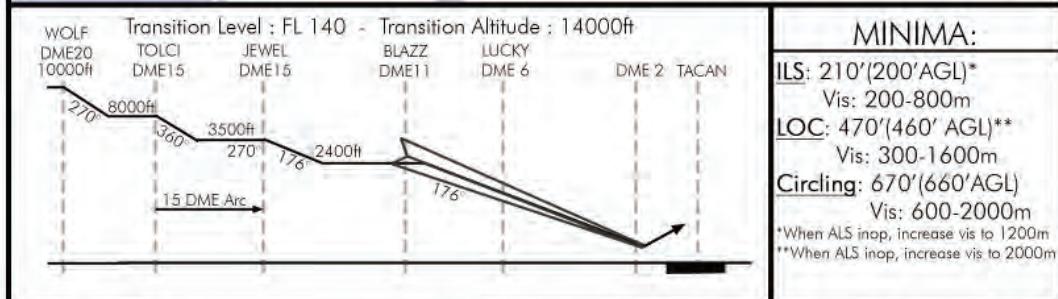
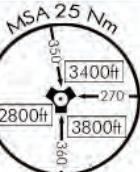
ILS RWY 18

Date: 18 Nov 09

KUNSAN AB (RKJK)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N35°58,39' E127°25.38'	ELEV: 10'	
075X	292.3/126.5	110.3	210'(200'AGL)	176°		ALSF-1 PAPI	

MISSED APPROACH: Climb straight ahead until DME 3 or reaching 2000ft, then LEFT climbing turn to 5000 direct TOLCI. Continue on R-090° outbound to WOLF IAF at DME 20. Hold as published at 5000



ILS RWY 18

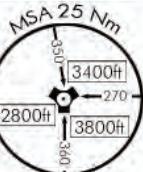
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

ILS RWY 36

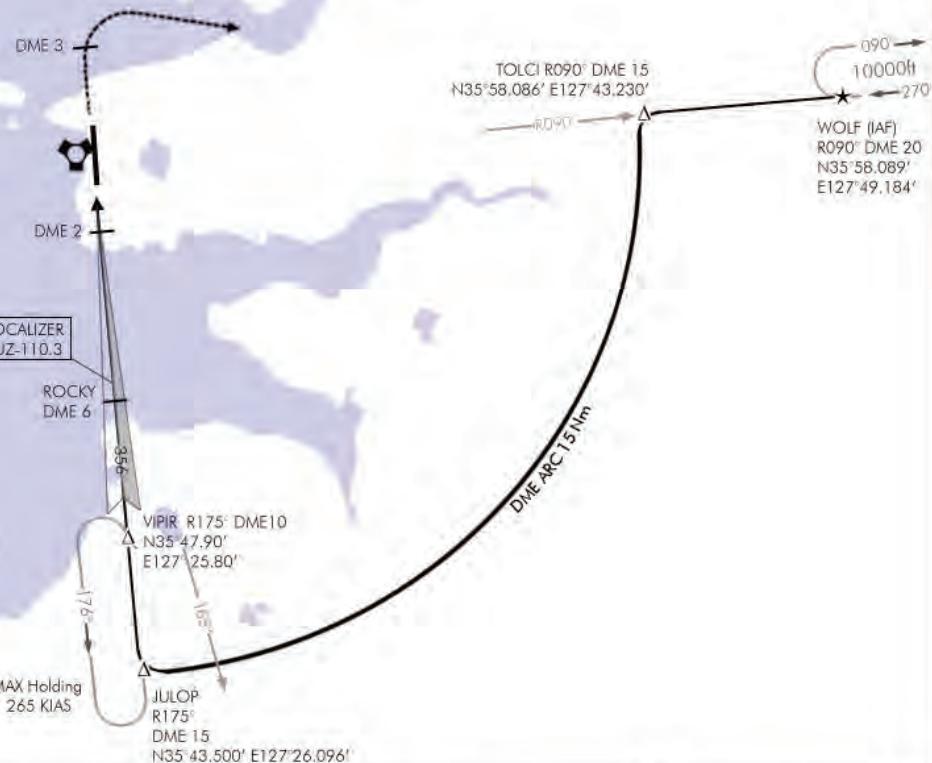
Date: 18 Nov 09

KUNSAN AB (RKJK)
SOUTH KOREA

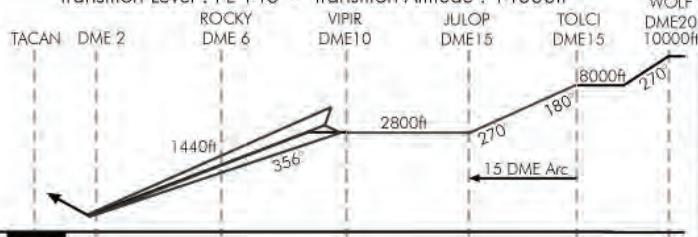
TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N35°58.39' E127°25.38'	ELEV: 10'	
075X	292.3/126.5	110.3	210'(200'AGL)	356°		ALSF-1	
MISSED APPROACH: Climb straight ahead until DME 3 or reaching 2000ft, then RIGHT climbing turn to 5000 direct TOLCI. Continue on R-090° outbound to WOLF IAF at DME 20. Hold as published at 5000						PAPI	



EMERG SAFE ALT 100 NM: 8400ft



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

ILS: 210'(200'AGL)*

Vis: 200-800m

LOC: 460'(450' AGL)**

Vis: 300-1600m

Circling: 660'(650'AGL)

Vis: 600-2000m

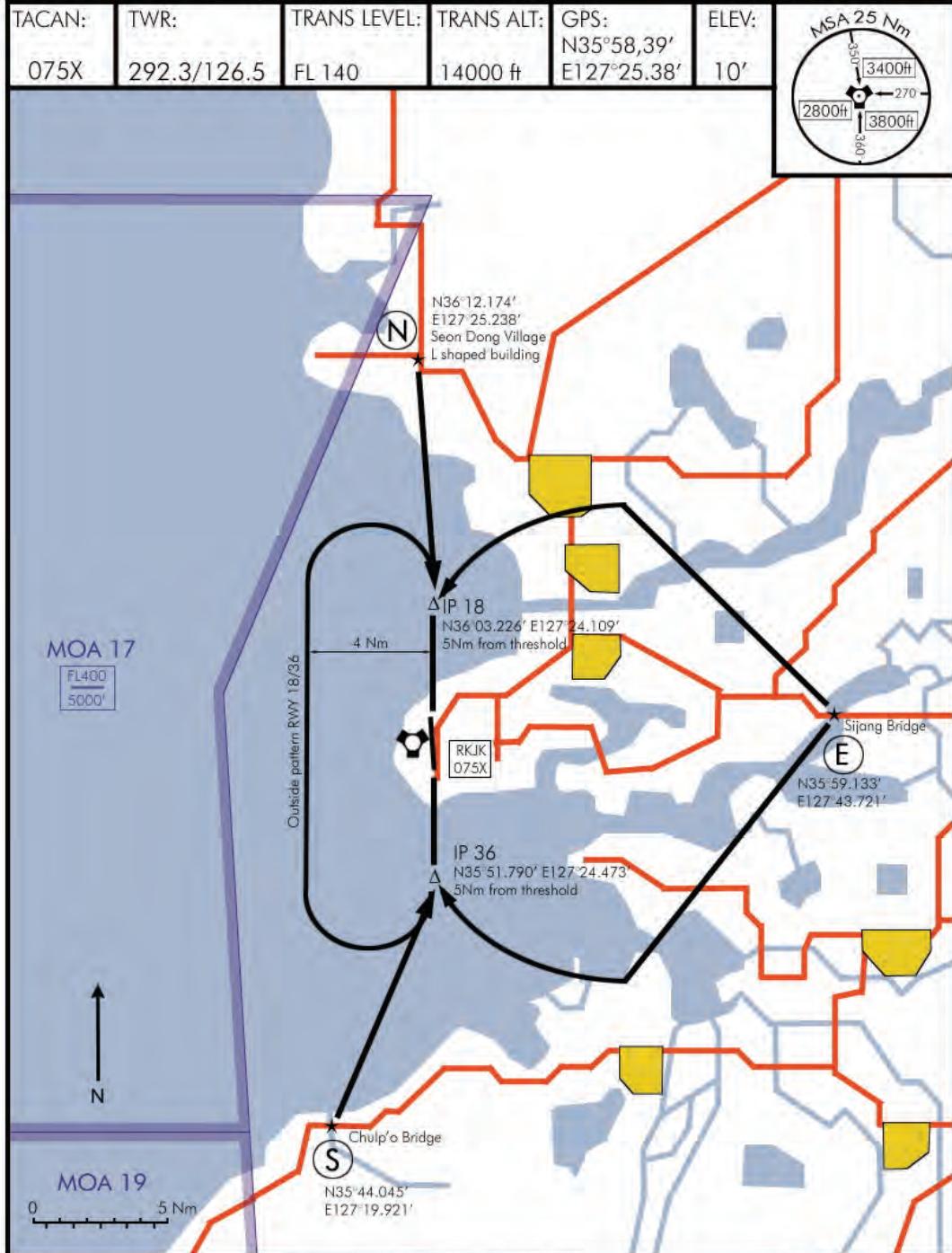
*When ALS inop, increase vis to 1200m

**When ALS inop, increase vis to 2000m

KOREAN NAVIGATION VOLUME

KUNSAN VISUAL 18/36

Date: 6 August 09

KUNSAN AB (RKJK)
SOUTH KOREA

KUNSAN VISUAL 18/36

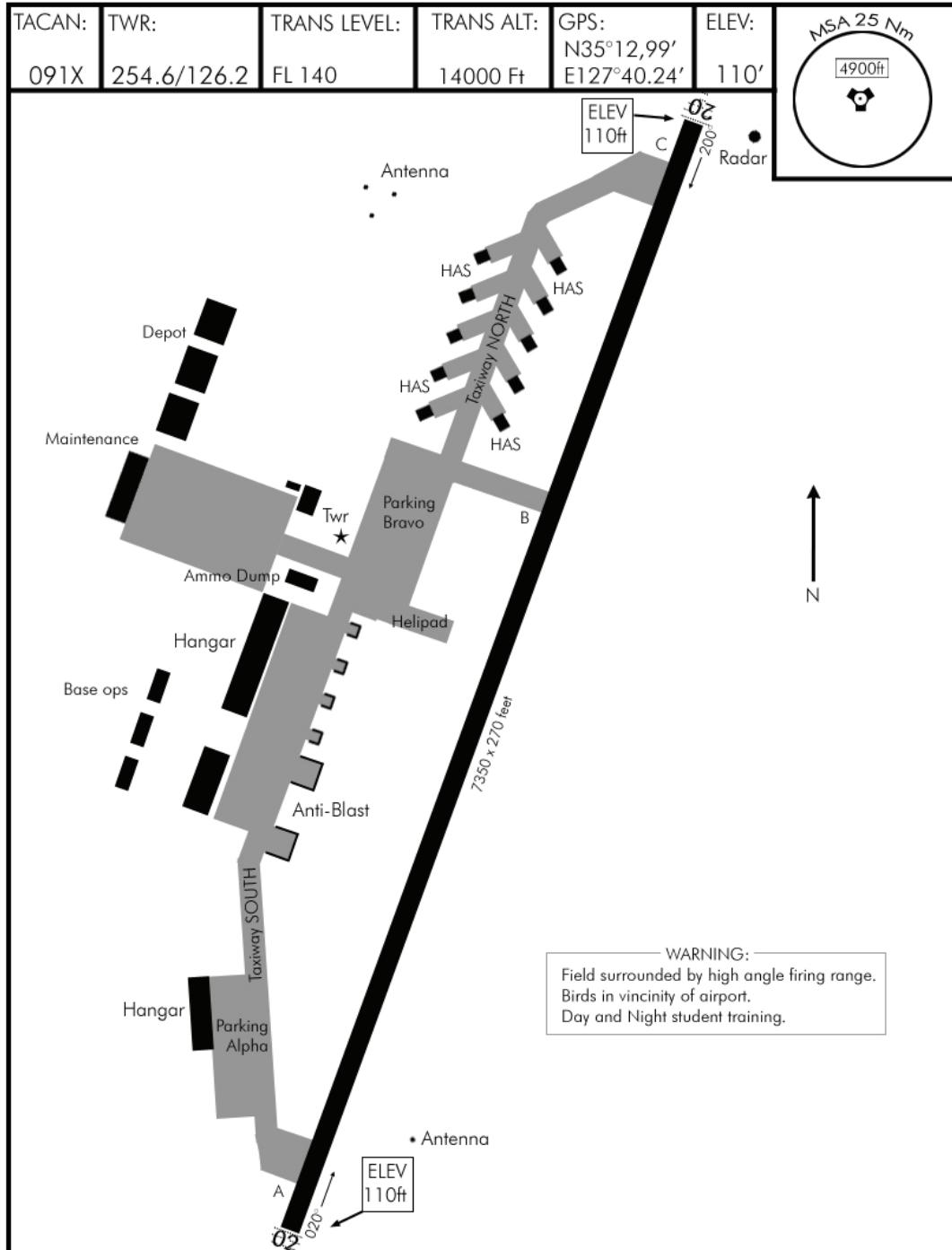
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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KUNSAN AB (RKJK)
SOUTH KOREA

AIRPORT DIAGRAM

Date: 2 Nov 2009

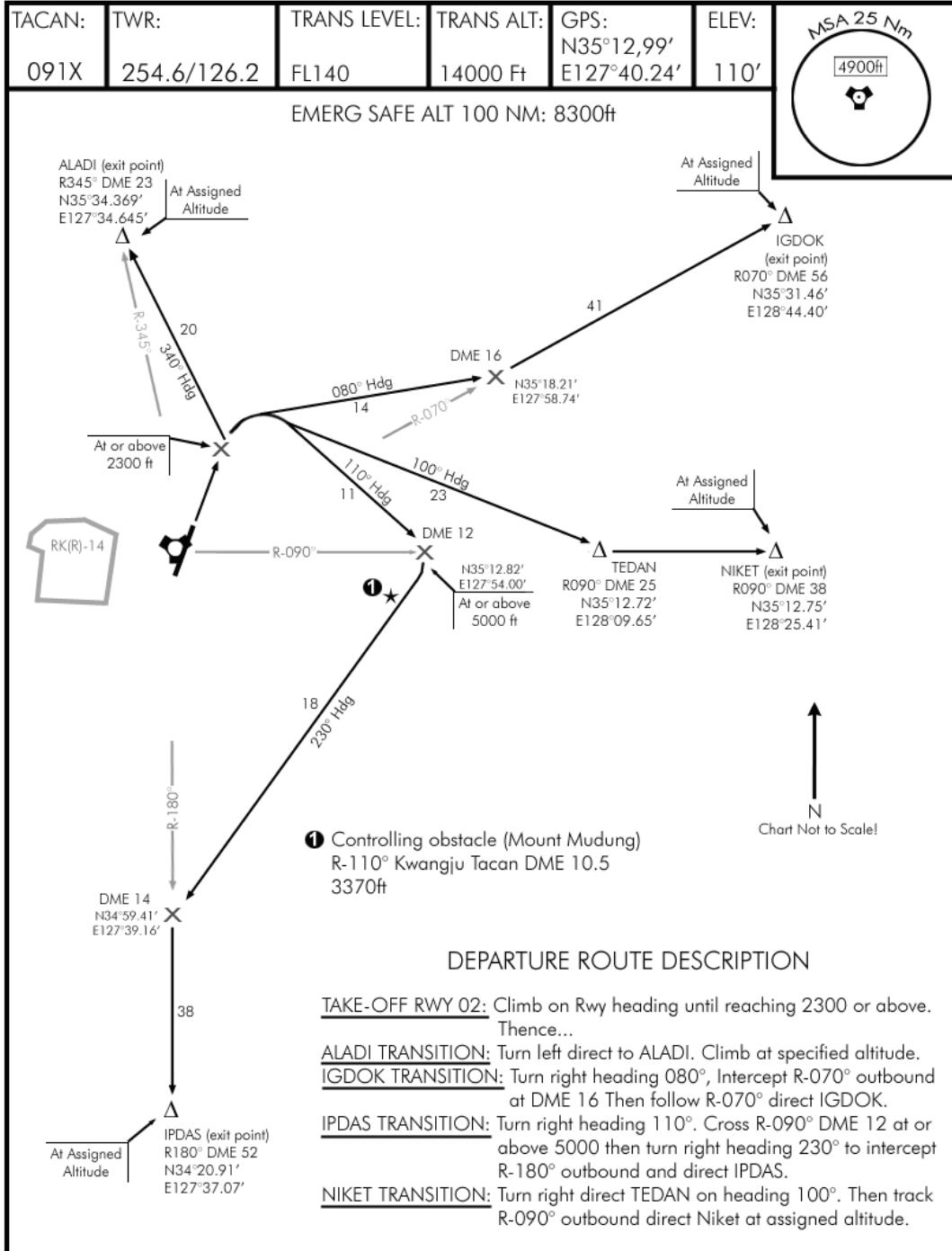
KWANGJU AB (RKJJ)
SOUTH KOREA

AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON BMS 4 ONLY

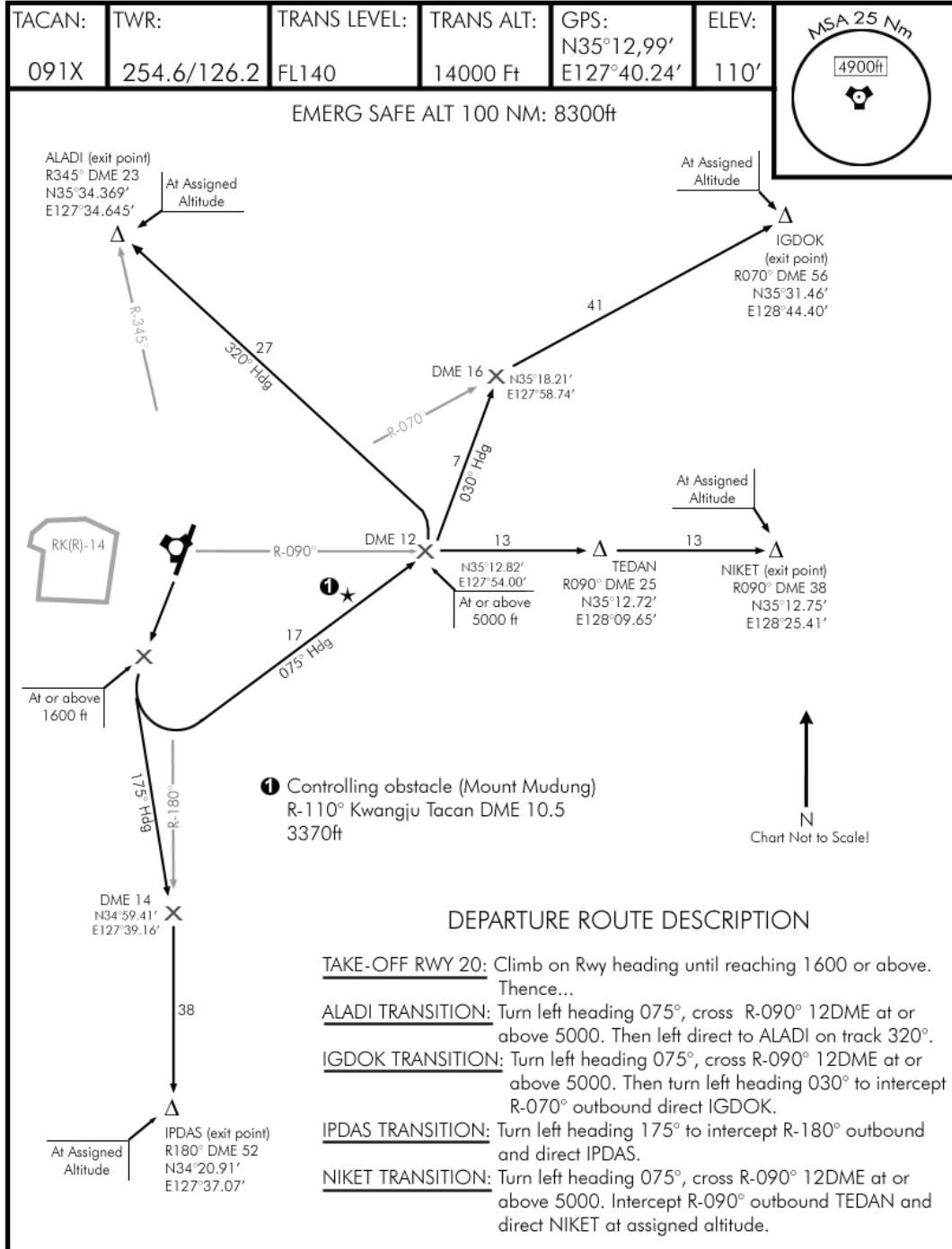
KWANGJU 3A DEPARTURE

Date: 2 Nov 2009

KWANGJU AB (RKJJ)
SOUTH KOREA

KWANGJU 4A DEPARTURE

Date: 2 Nov 2009

KWANGJU AB (RKJJ)
SOUTH KOREA

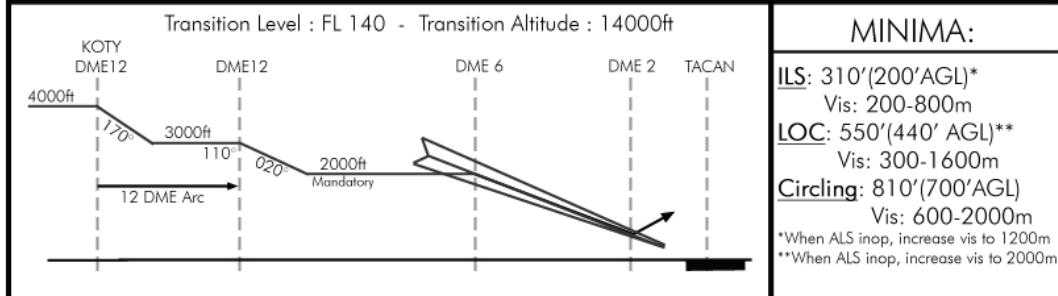
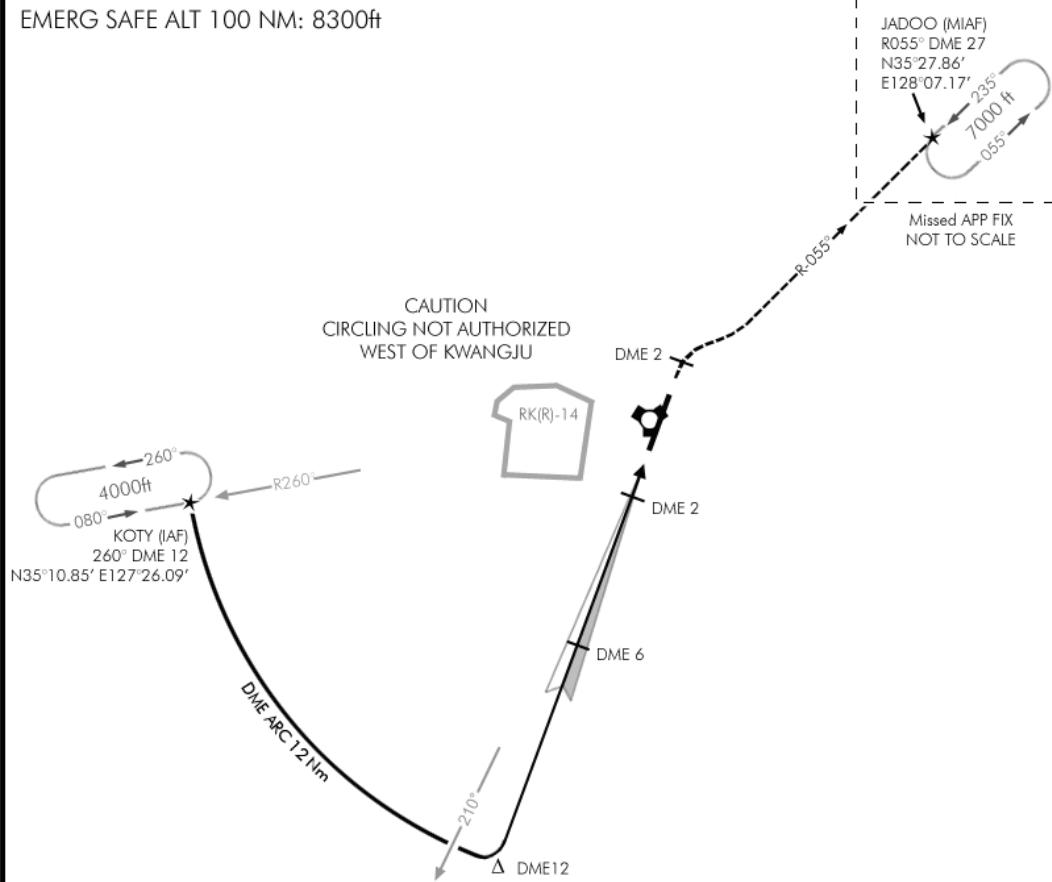
ILS RWY 02

Date: 2 Nov 2009

KWANGJU AB (RKJJ)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N35°12.99' E127°40.24'	ELEV: 110'	MSA 25 Nm 4900ft
091X	254.6/126.2	111.1	310'(200' AGL)	020°			
MISSSED APPROACH: Climb straight ahead until DME 2 or reaching 1600ft, then RIGHT climbing turn to 7000 to intercept R-055° outbound to JADOO Fix at DME 27. Hold as published at 7000.							ALSF-1 PAPI

EMERG SAFE ALT 100 NM: 8300ft



ILS RWY 02

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

ILS RWY 20

Date: 2 Nov 2009

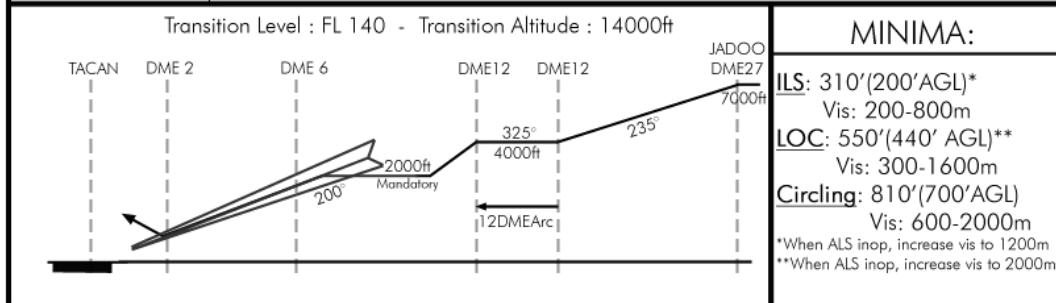
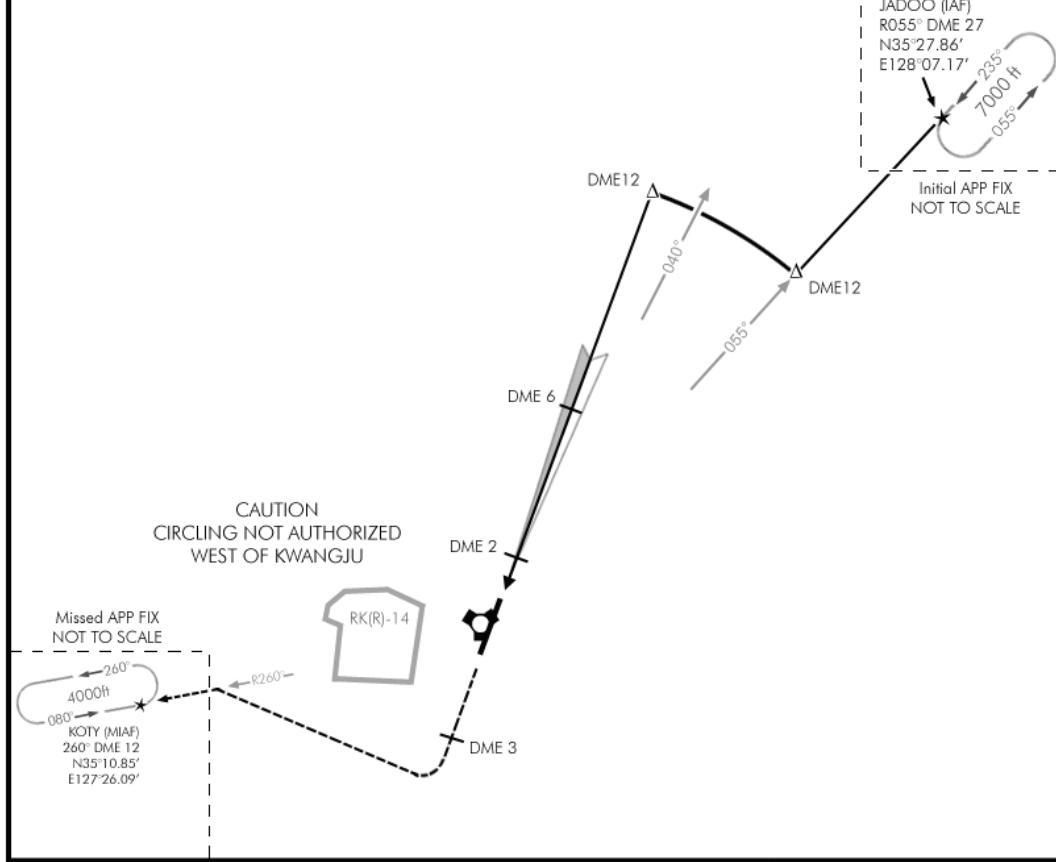
KWANGJU AB (RKJJ)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
091X	254.6/126.2	111.1	310'(200' AGL)	200°	N35°12.99' E127°40.24'	110'

MISSED APPROACH: Climb straight ahead until DME 3, then RIGHT climbing turn to 4000 to intercept R-260° outbound to KOTY Fix at DME 12. Hold as published.



EMERG SAFE ALT 100 NM: 8300ft



ILS RWY 20

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

KOREAN NAVIGATION VOLUME

AIRPORT DIAGRAM

Date: 2 Nov 2009

MANDUMI AIRSTRIP
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS: N38°04.45' E127°57.83'	ELEV:
N.A.	253.4/118.9	FL 140	14000 Ft		239'

NOTAM:
Mandumi is an airstrip and has no active ATC nor ILS nor Tacan station. Use Radial 020° from Kimpo tacan 083X at DME31 to get to the terrain and start a visual approach. You might lose R-020° below 4000ft

AIRPORT DIAGRAM

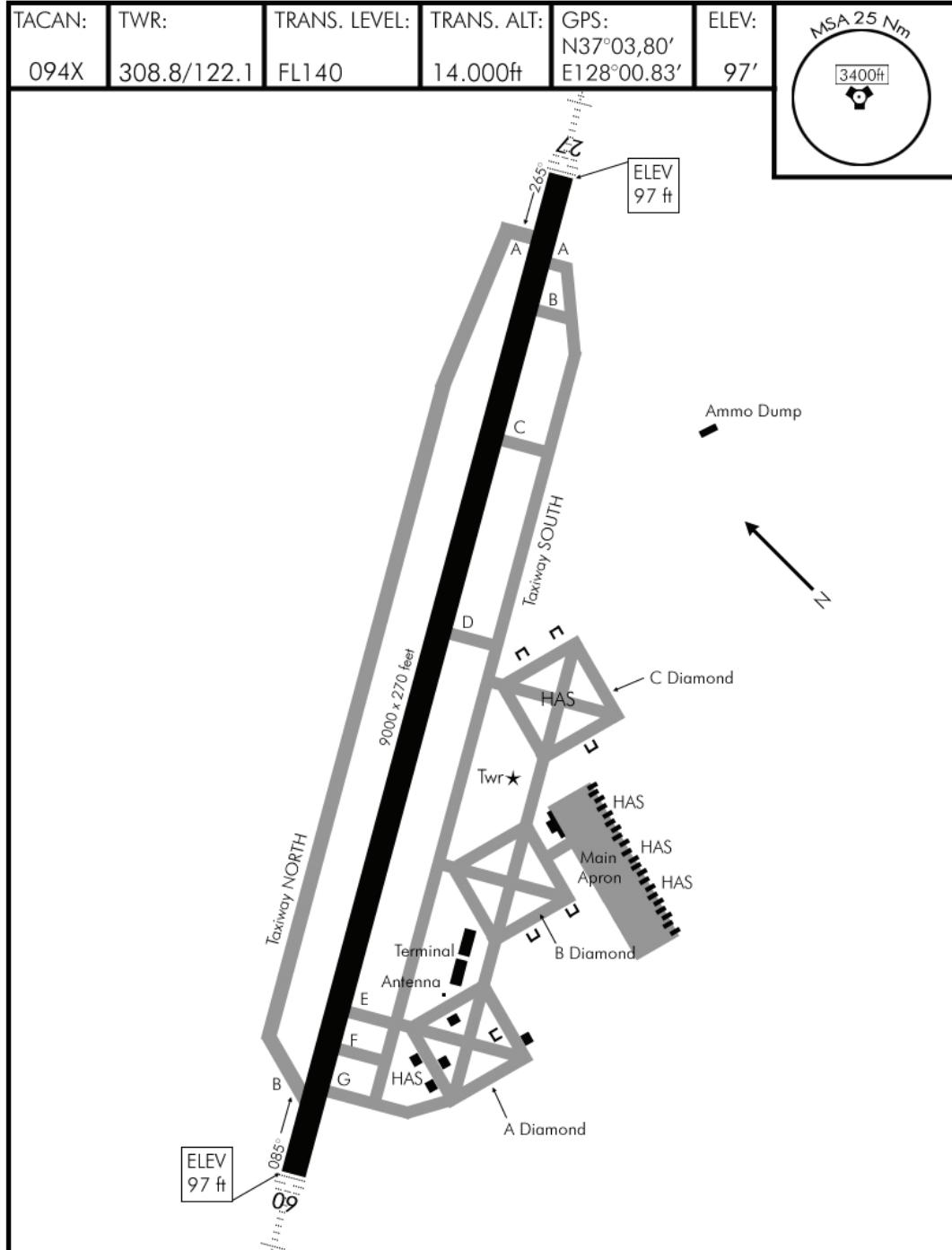
NOT FOR REAL NAVIGATION - FALCON BMS 4 ONLY

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MANDUMI AIRSTRIP SOUTH KOREA

AIRPORT DIAGRAM

Date: 28 Dec 09

OSAN AB (RKS0)
SOUTH KOREA

AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

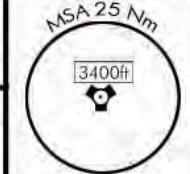
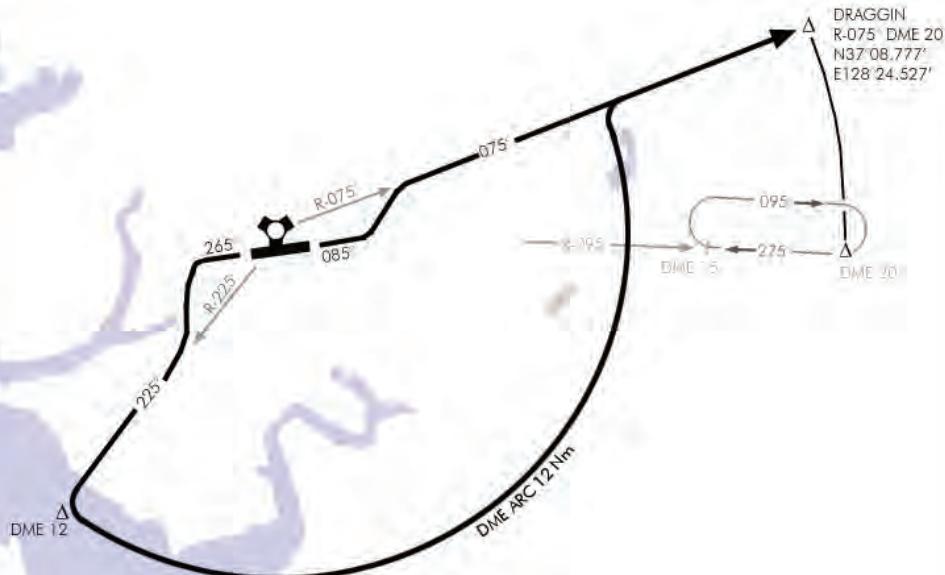
DRAGGIN ONE DEPARTURE

Date: 28 Dec 09

OSAN AB (RKS0)
SOUTH KOREA

TACAN:	TWR:	TRANS. LEVEL:	TRANS. ALT:	GPS:	ELEV:
094X	308.8/122.1	FL140	14.000ft	N37°03.80' E128°00.83'	97'

EMERG SAFE ALT 100 NM: 7700ft
CAUTION: Hi terrain to the East

DEPARTURE ROUTE DESCRIPTION

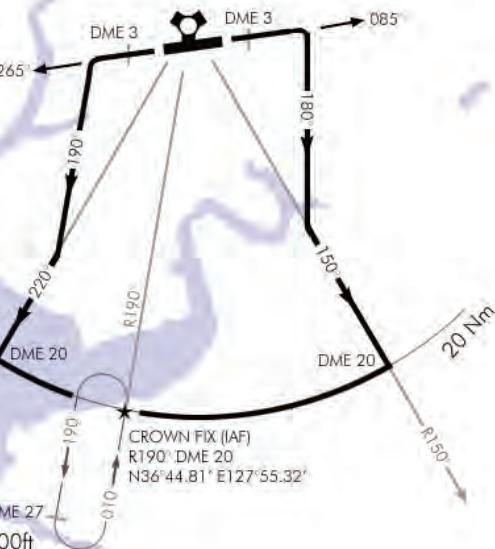
TAKE-OFF RWY 09: Climb on track 085° until 580' MSL, then climbing LEFT turn to intercept R-075°, then proceed outbound to DRAGGIN. Cross DRAGGIN between 6000 and 7000' MSL, Thence...

TAKE-OFF RWY 27: Climb on track 265° until 580' MSL, then climbing LEFT turn to intercept R-225°, then proceed outbound to intercept the 12 DME ARC between 5000 and 7000' MSL. Arc East to join the OSN R-075° and proceed outbound to DRAGGIN. Cross DRAGGIN between 6000 and 7000' MSL. Thence...

If not VFR on top by DRAGGIN, intercept the OSN 20 DME ARC Southbound and hold as published at DME20 on R-094° OSN tacan and climb to VFR on top.

TACAN:	TWR:	TRANS. LEVEL:	TRANS. ALT:	GPS:	ELEV:
094X	308.8/122.1	FL140	14.000ft	N37°03.80' E128°00.83'	97'

EMERG SAFE ALT 100 NM: 7700ft



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 09: Climb on track 085° until 3 DME, then turn right track 180°. Intercept and proceed via R-150° and DME ARC to CROWN R-190° Thence...

TAKE-OFF RWY 27: Climb on track 265° until 3 DME, then turn left track 190°. Intercept and proceed via R-220° and DME ARC to CROWN R-190° Thence...

If not VFR on top prior to CROWN, enter holding and climb. If not VFR on top by 13.000ft, maintain 13.000 and advise OSAN departure Control.

KOREAN NAVIGATION VOLUME

ILS RWY 09

Date: 28 Dec 09

OSAN AB (RKS0)
SOUTH KOREA

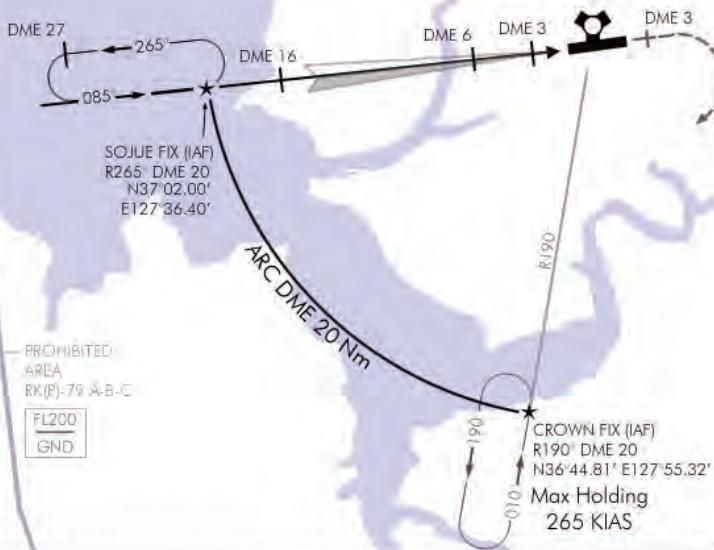
TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
094X	308.8/122.1	111.3	297'(200'AGL)	085°	N37°03'.80' E128°00'.83'	97'
MISSSED APPROACH: Climb Runway heading to 3DME, then RIGHT climbing turn to 230°. Intercept and proceed via R-190 to CROWN and hold at 4000 unless otherwise directed by ATC.						ALSF-1 VASI — VASI —



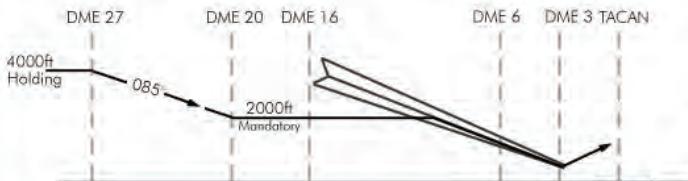
EMERG SAFE ALT 100 NM: 7700ft

CAUTION: Hi terrain to the East

N



Transition Level : FL 140 Transition Altitude : 14000ft



MINIMA:

ILS: 297'(200'AGL)*
Vis: 200-800m

LOC: 497'(400' AGL)**
Vis: 300-1600m

Circling: 897'(800'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 1200m
**When ALS inop, increase vis to 2000m

ILS RWY 09

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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OSAN AB (RKS0)
SOUTH KOREA

ILS RWY 27

Date: 28 Dec 09

OSAN AB (RKS0)
SOUTH KOREA

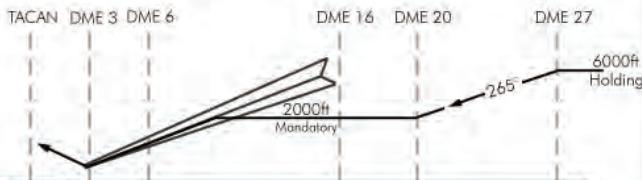
TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N37°03'.80' E128°00.83'	ELEV: 97'
094X	308.8/122.1	111.3	297' (200' AGL)	265°		
MISSSED APPROACH: Climb Runway heading to 3DME, then LEFT climbing turn to 140°. Intercept and proceed via R-190 to CROWN and hold at 4000 unless otherwise directed by ATC.						ALSF-1 VASI — VASI

EMERG SAFE ALT 100 NM: 7700ft



Transition Level : FL 140 Transition Altitude : 14000ft

MINIMA:

ILS: 297'(200'AGL)*

Vis: 200-800m

LOC: 497'(400' AGL)**

Vis: 300-1600m

Circling: 897'(800'AGL)

Vis: 600-2000m

*When ALS inop, increase vis to 1200m

**When ALS inop, increase vis to 2000m

ILS RWY 27

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

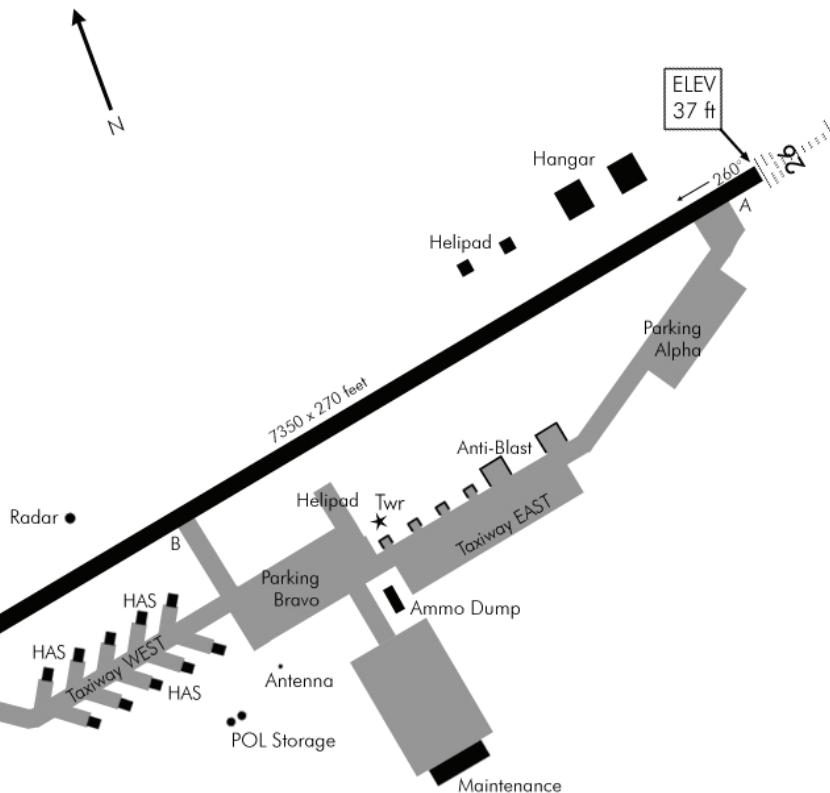
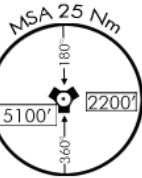
KOREAN NAVIGATION VOLUME

AIRPORT DIAGRAM

Date: 2 Nov 2009

POHANG AERO (RKTH)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
072X	236.6/118.05	FL140	14000ft	N36°02.88' E130°49.59'	037'



WARNING:

Several unlighted obstructions around airport.
Excessive smoke from Posco industrial area -
all aircraft will avoid overflying Posco 1.5Nm
northwest of airport.
Extensive bird activity in vicinity of airfield.

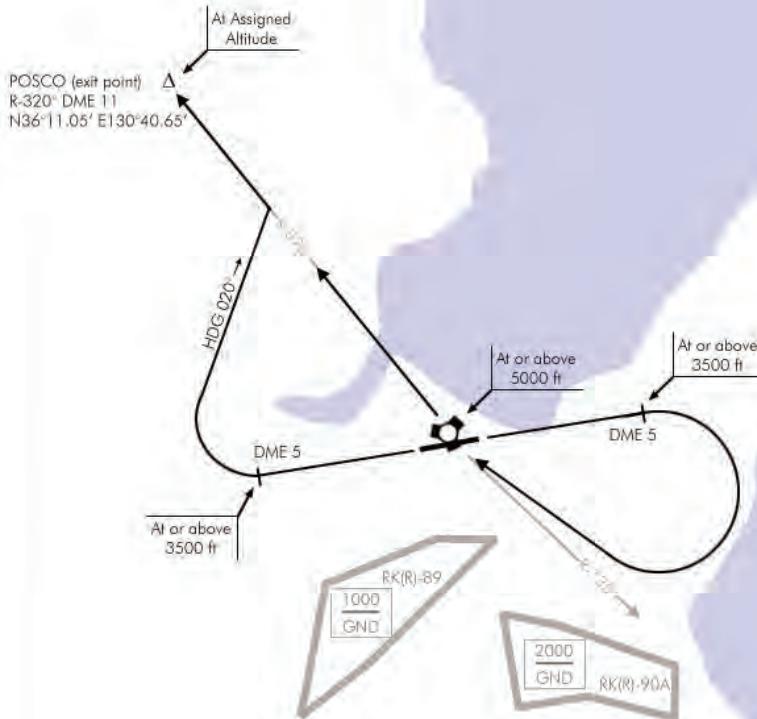
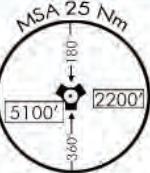
AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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POHANG AERO (RKTH)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
072X	236.6/118.05	FL140	14000ft	N36°02.88' E130°49.59'	037'



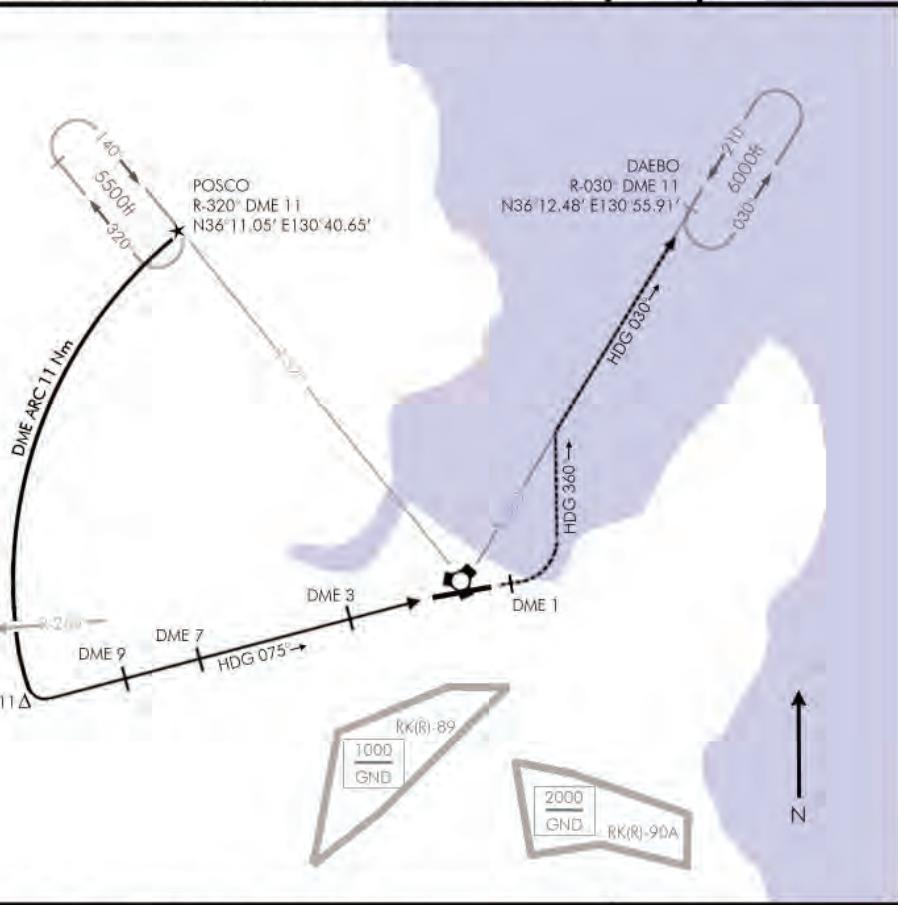
DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 08: Climb on Rwy heading until reaching DME 5 - cross at or above 3500ft. Turn right heading 020° to intercept R-320° outbound Pohang tacan. Track R-320° outbound until reaching POSCO at assigned altitude. Thence...

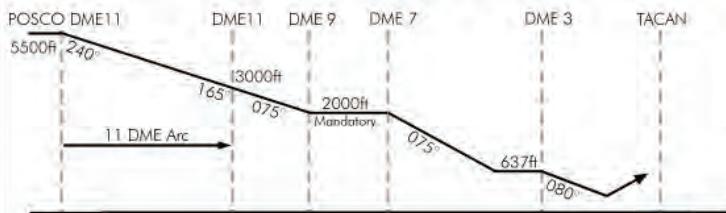
TAKE-OFF RWY 26: Climb on Rwy heading until reaching DME 5 - cross at or above 3500ft. Turn right and proceed direct to Pohang tacan station. Do not cross R-135° during turn to stay clear of RK(R)-90A. Overfly Pohang or above 5000ft. Then track R-320° outbound Pohang tacan until reaching POSCO exit point at assigned altitude. Thence...

TACAN:	TWR:	TACAN DA(H)	TCN RAD:	GPS: N36°02.88' E130°49.59'	ELEV: 037'	MALSF PAPI	POHANG AERO (RKTH) SOUTH KOREA
072X	236.6/118.05	637'(600'AGL)	255°(hdg 075°)				

MISSED APPROACH: Climb straight ahead to DME 1 POHANG tacan. Then turn LEFT to heading 360° to intercept R-030° outbound POHANG tacan. Climb to 6000 feet and hold as published at DEABO DME 11.



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 637'(600'AGL)*
Vis: 300-1600m
at DME3

Circling: 937'(900'AGL)
Vis: 600-2000m
*When ALS inop, increase vis to 2000m

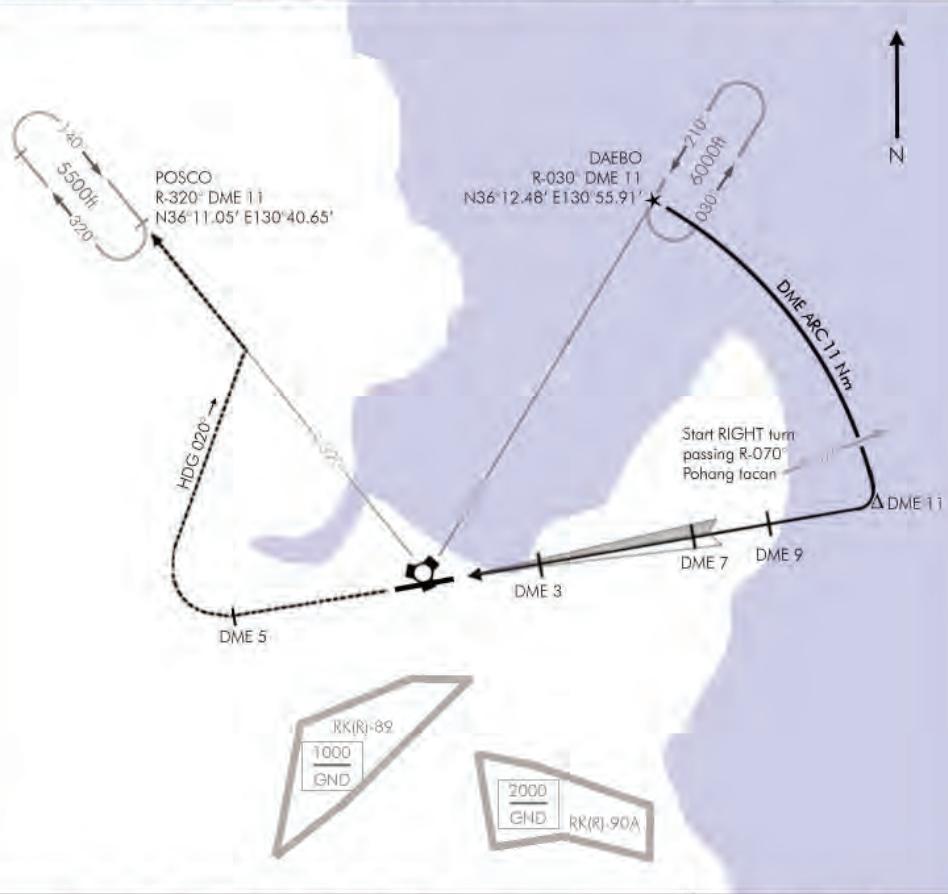
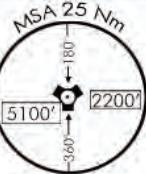
KOREAN NAVIGATION VOLUME

ILS RWY 26

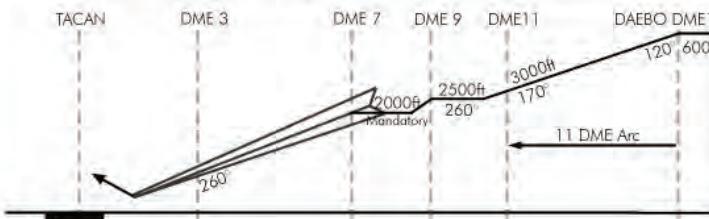
Date: 2 Nov 2009

POHANG AERO (RKTH)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:	
072X	236.6/118.05	110.9	237'(200'AGL)	260°	N36°02.88' E130°49.59'	037'	ALSF-1
MISSED APPROACH: Climb straight ahead. At DME 5 POHANG tacan, turn RIGHT heading 020° to intercept R-320° outbound Pohang tacan. Then proceed to POSCO at DME 11 and hold at 5500'.				PAPI			



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

- ILS: 237'(200'AGL)*
Vis: 200-800m
 - LOC: 417'(380' AGL)**
Vis: 300-1600m
 - Circling: 687'(650'AGL)
Vis: 600-2000m
- *When ALS inop, increase vis to 1200m
**When ALS inop, increase vis to 2000m

ILS RWY 26

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

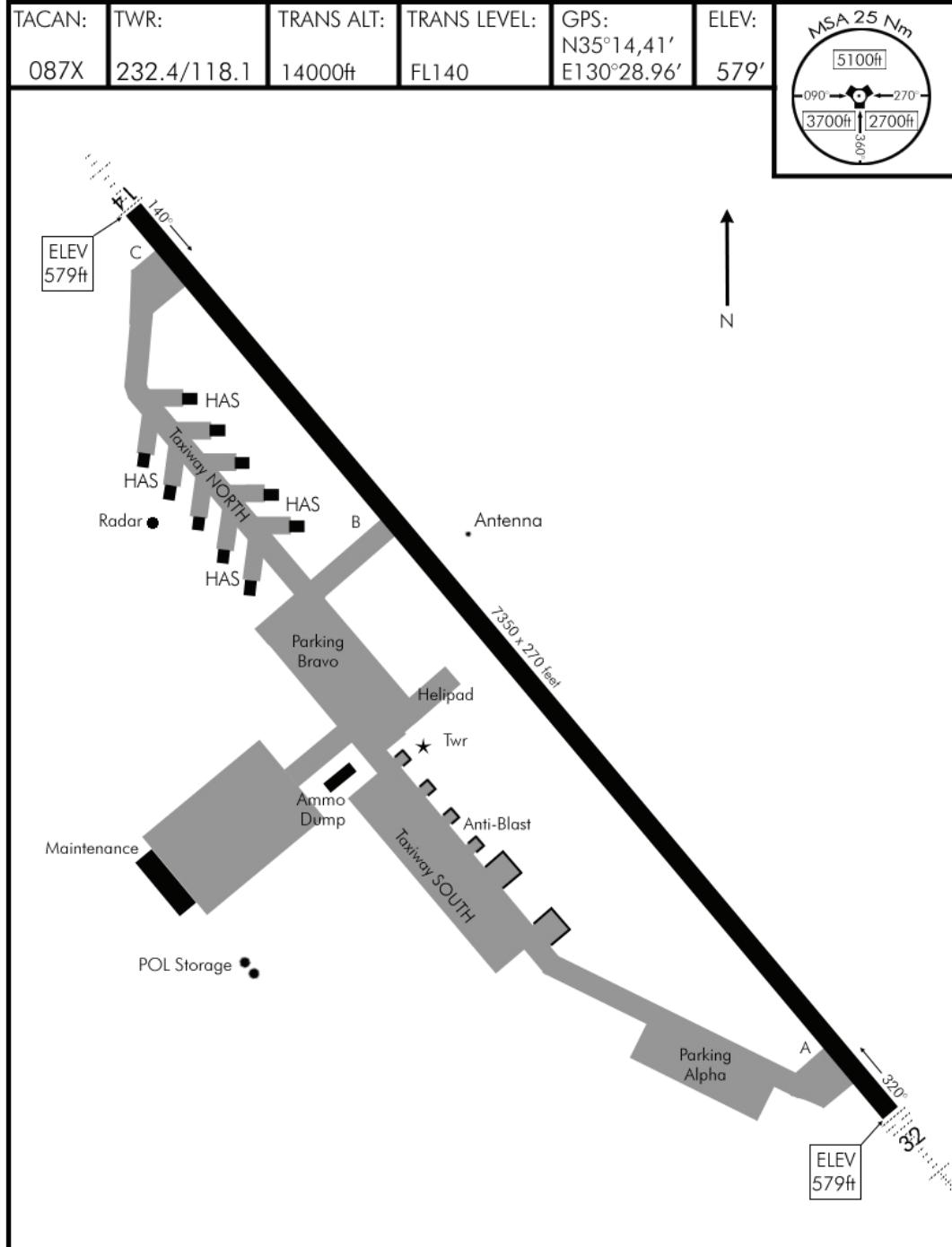
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POHANG AERO (RKTH)
SOUTH KOREA

KOREAN NAVIGATION VOLUME

AIRPORT DIAGRAM

Date: 29 October 2009

PUSAN AB (RKPP)
SOUTH KOREA

AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

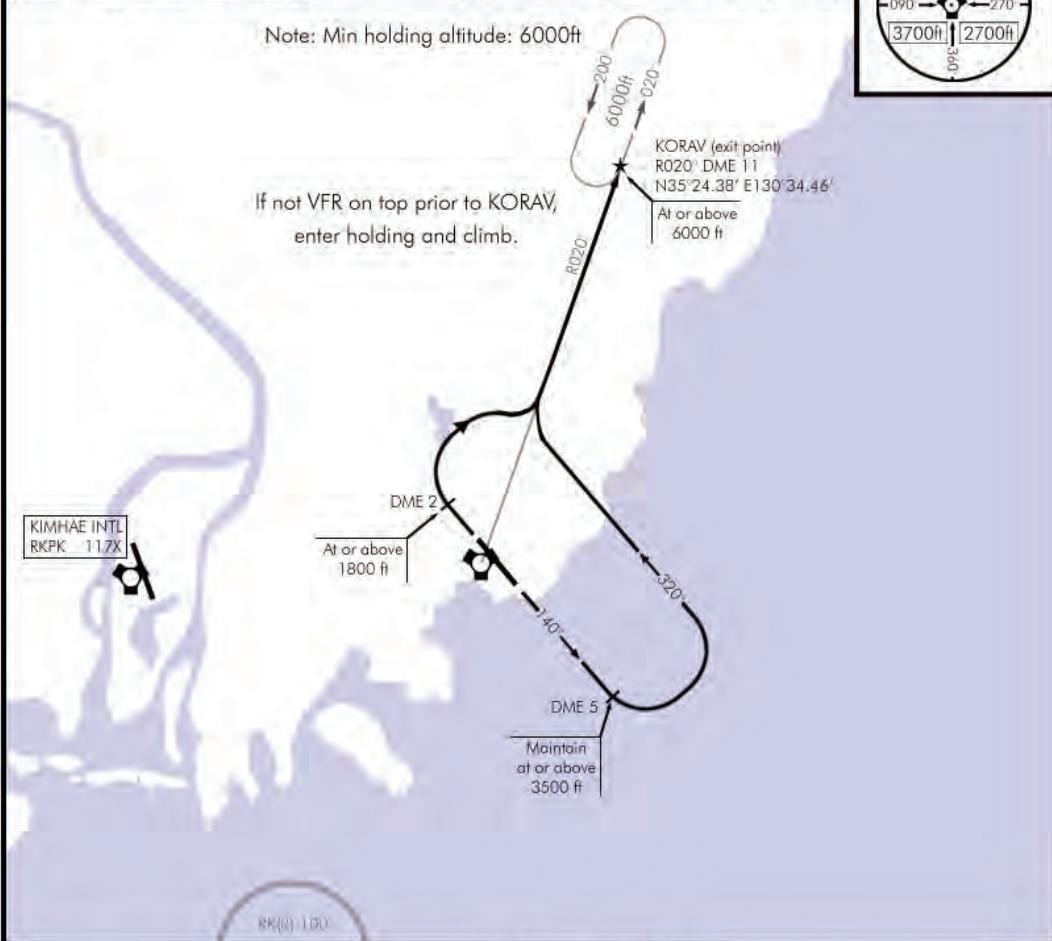
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PUSAN AB (RKPP)
SOUTH KOREA

KORAV NORTH DEPARTURE Date: 29 Octobre 2009

PUSAN AB (RKPP)
SOUTH KOREA

TACAN:	TWR:	TRANS. LEVEL:	TRANS. ALT:	GPS:	ELEV:
087X	232.4/118.1	FL140	14.000ft	N35°14.41' E130°28.96'	579'



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 14: Climb on runway heading direct DME 5 PUSAN tacan. Cross at or above 3500 ft. LEFT climbing turn heading 320°. Intercept R-020° outbound PUSAN tacan proceed to KORAV INT. Cross at or above 6000 ft, Thence...

TAKE-OFF RWY 32: Climb on runway heading direct DME 2 PUSAN tacan. Cross at or above 1800 ft. RIGHT climbing turn heading to Intercept R-020° outbound PUSAN tacan proceed to KORAV INT. Cross at or above 6000 ft, Thence...

KOREAN NAVIGATION VOLUME

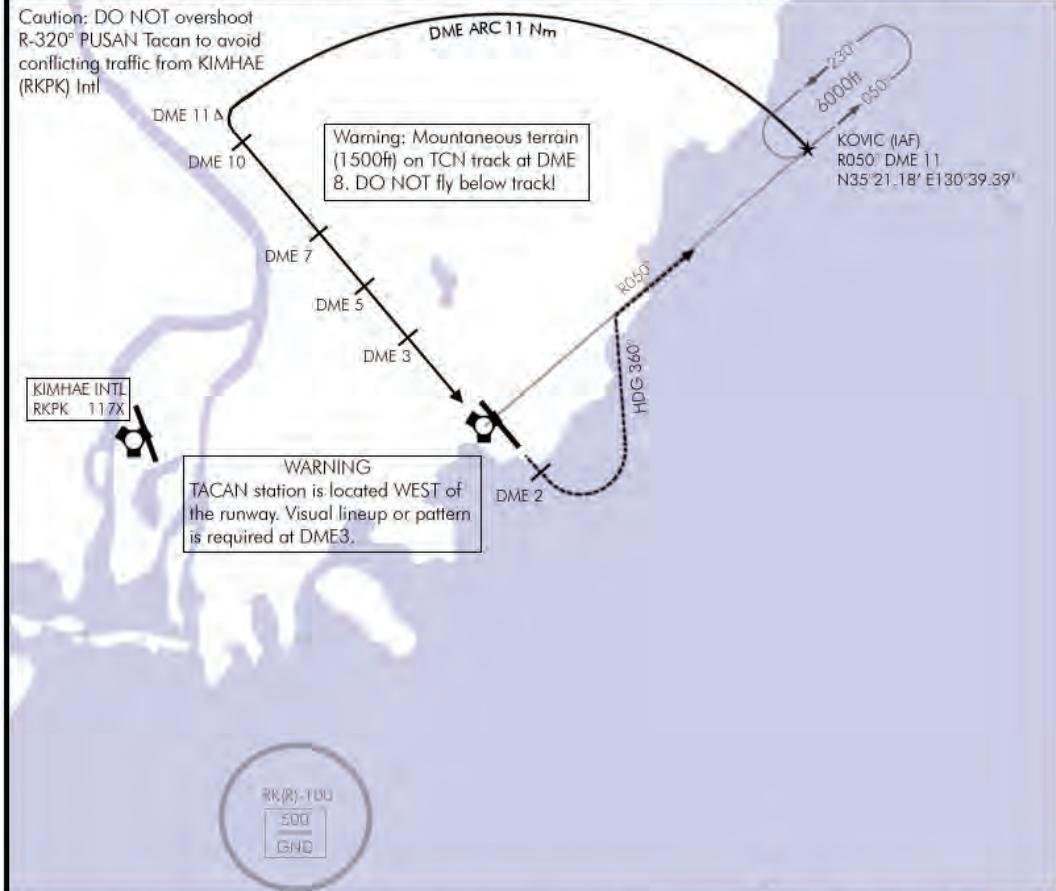
TACAN RWY 14

Date: 29 Octobre 2009

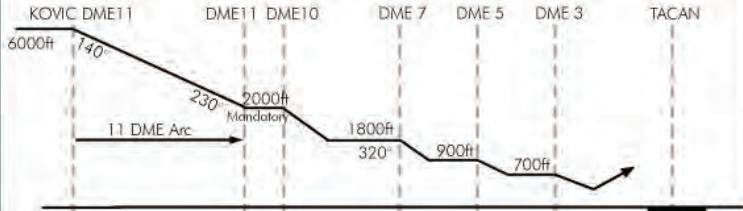
PUSAN AB (RKPP)
SOUTH KOREA

TACAN:	TWR:	TCN DA(H):	TACAN RAD:	GPS:	ELEV:
087X	232.4/118.1	1279'(700'AGL)	140°	N35°14.41' E130°28.96'	579'

MISSED APPROACH: Climb straight ahead until DME 2 or reaching 1700ft, then LEFT climbing turn to 6000 to heading 360°. Intercept R-050° outbound and fly direct KOVIC. Hold as Published.



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 1279'(700'AGL)*
Vis: 300-1600m
at DME3
Circling: 1653'(1300'AGL)
Vis: 600-2000m
*When ALS inop, increase vis to 2000m

TACAN RWY 14

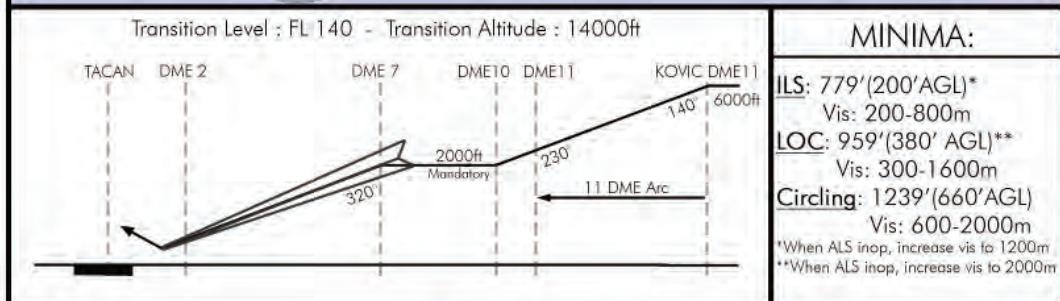
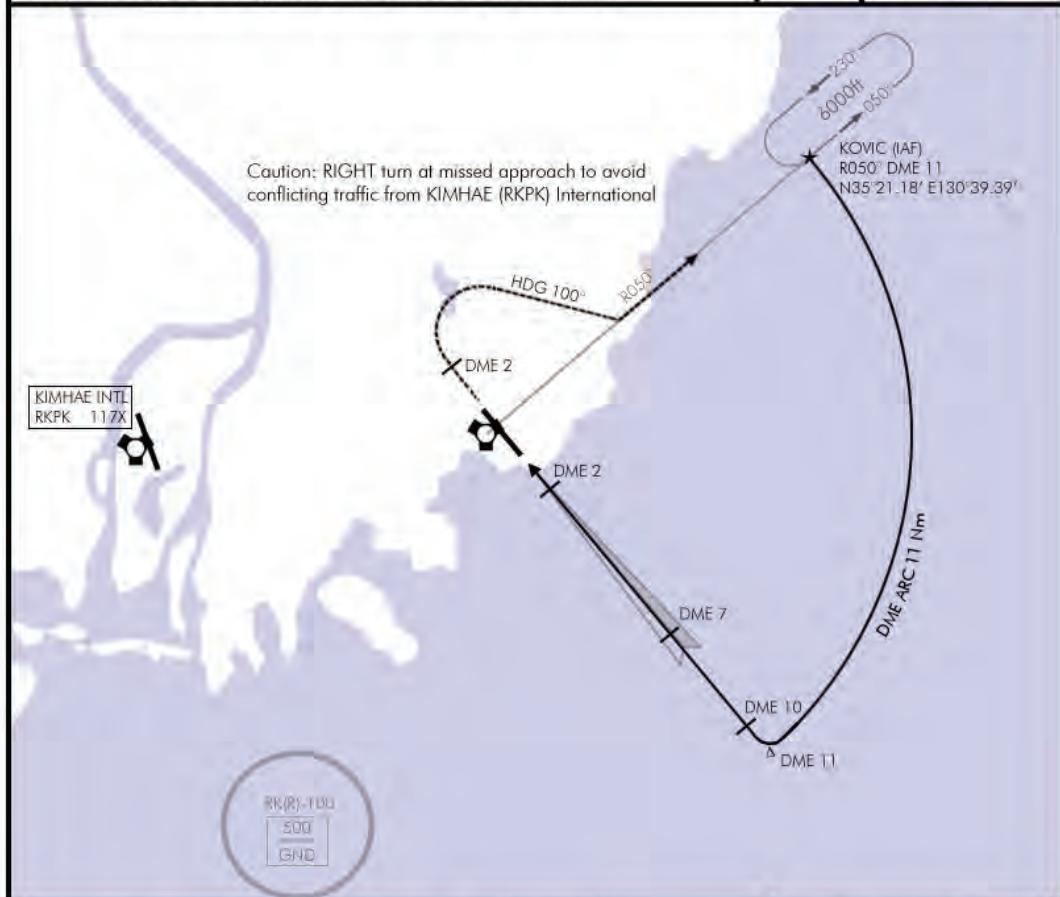
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N35°14.41' E130°28.96'	ELEV: 579'	
087X	232.4/118.1	109.5	779'(200' AGL)	320°			ALSF-1 PAPI

MISSED APPROACH: Climb straight ahead until DME 2 or reaching 1700ft, then RIGHT climbing turn to 6000 to heading 100°. Intercept R-050° outbound and fly direct KOVIC. Hold as Published.

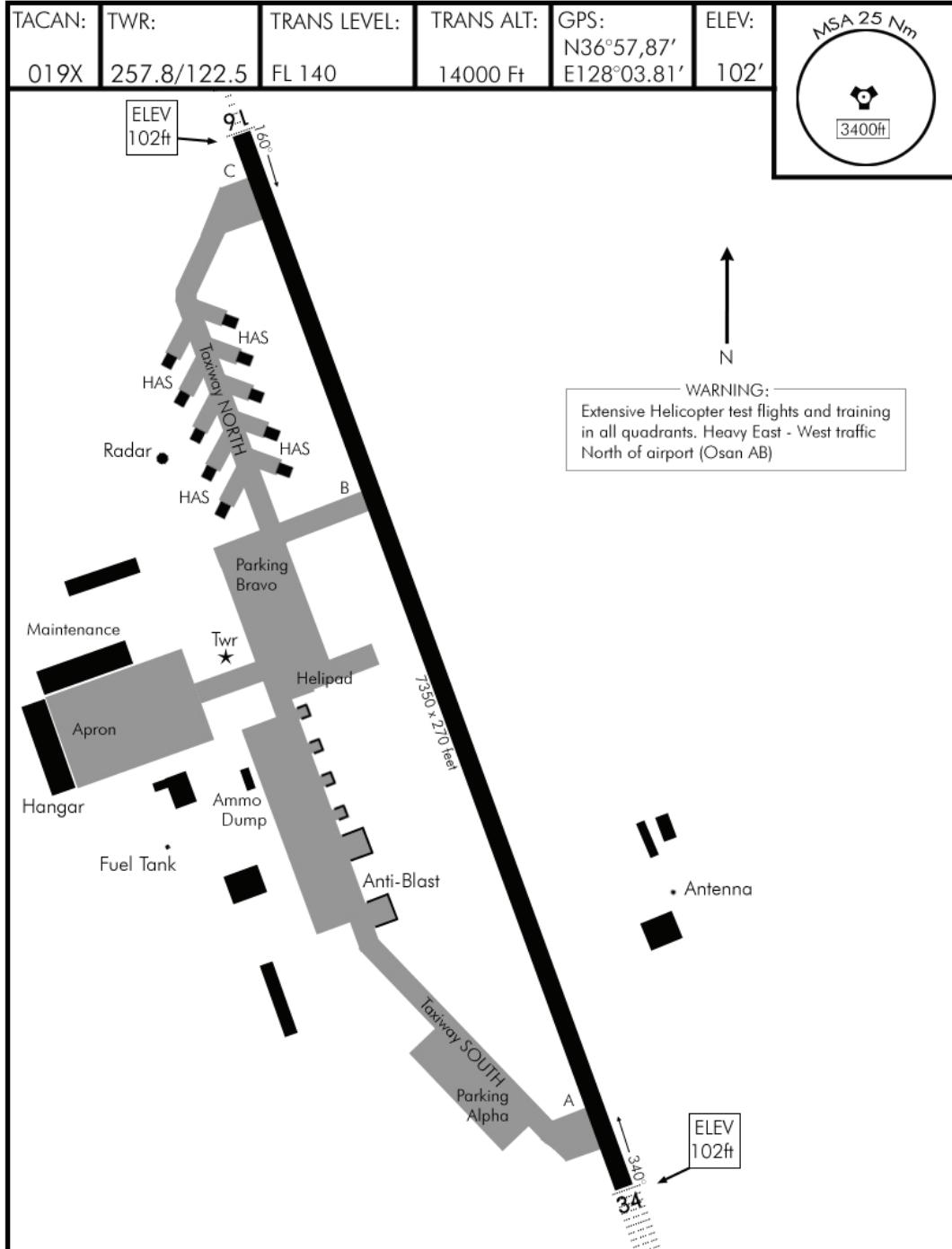


Caution: RIGHT turn at missed approach to avoid conflicting traffic from KIMHAE (RKP) International



AIRPORT DIAGRAM

Date: 29 Oct 2009

P'YONG'TAEK (RKSG)
SOUTH KOREA

AIRPORT DIAGRAM

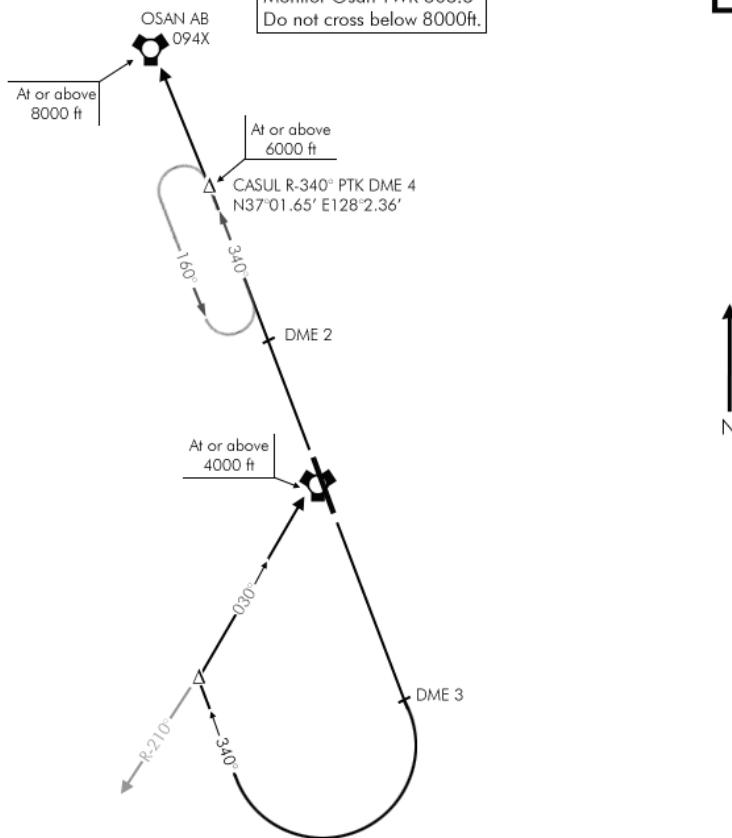
NOT FOR REAL NAVIGATION - FALCON BMS 4 ONLY

OSAN ONE DEPARTURE

Date: 29 Oct 2009

P'YONG'TAEK (RKSG)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
019X	257.8/122.5	FL 140	14000 Ft	N36°57.87' E128°03.81'	102'



DEPARTURE ROUTE DESCRIPTION

OSAN 1 SOUTH: Climb on Rwy heading (160°) until reaching DME 3, Then RIGHT climbing turn to heading 340° until intercepting R-210° INBOUND PyongTaek tacan. Cross PyongTaek at or above 4000ft. Proceed via R-340° outbound to CASUL - cross at or above 6000ft. Then proceed and cross Osan at or above 8000ft. Thence ...

OSAN 1 NORTH: Climb on Rwy heading (340°). Cross CASUL at or above 6000ft. If lower, enter holding pattern and climb to 6000ft. Then proceed via R-340 outbound to Osan - cross at or above 8000ft. Thence...

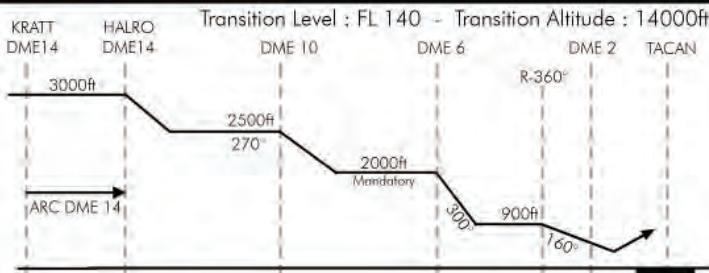
TACAN RWY 16

Date: 29 Oct 2009

P'YONG'TAEK (RKSG)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H):	TACAN RAD:	GPS:	ELEV:	
019X	257.8/122.5	1002'(900'AGL)	160°	N36°57.87' E128°03.81'	102'	

MISSED APPROACH: Climb straight ahead until reaching 3000ft. Then LEFT turn to enter the published holding pattern on RKSG Tacan. If no holding is required - proceed direct KRATT via R-160° Outbound.



MINIMA:

TACAN: 1002'(900'AGL)*
Vis: 300-1600m
crossing R360°

Circling: 1002'(900'AGL)
Vis: 600-2000m
*When ALS inop, increase vis to 2000m

TACAN RWY 16

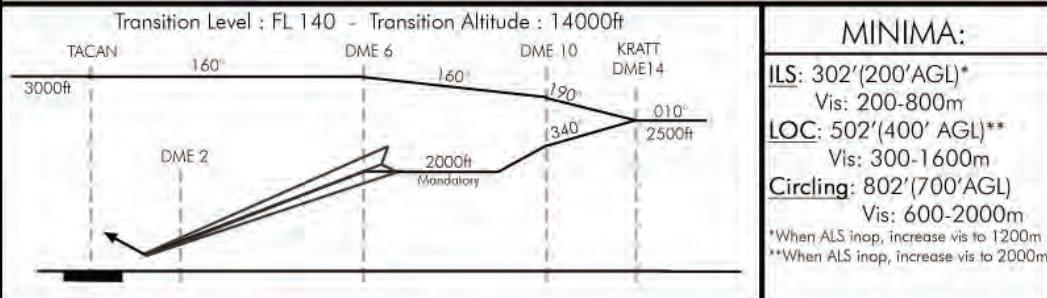
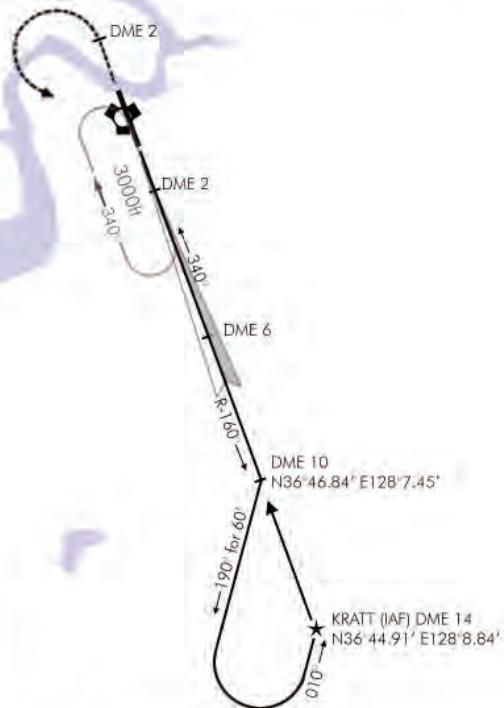
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
019X	257.8/122.5	108.5	302'(200' AGL)	340°	N36°57.87' E128°03.81'	102'
MISSSED APPROACH: Climb straight ahead until reaching 800ft of DME2 whichever comes first. Then LEFT climbing turn to 3000ft DIRECT PyongTaek Tacan. Hold at 3000ft as published.						ALSF-2 PAPI



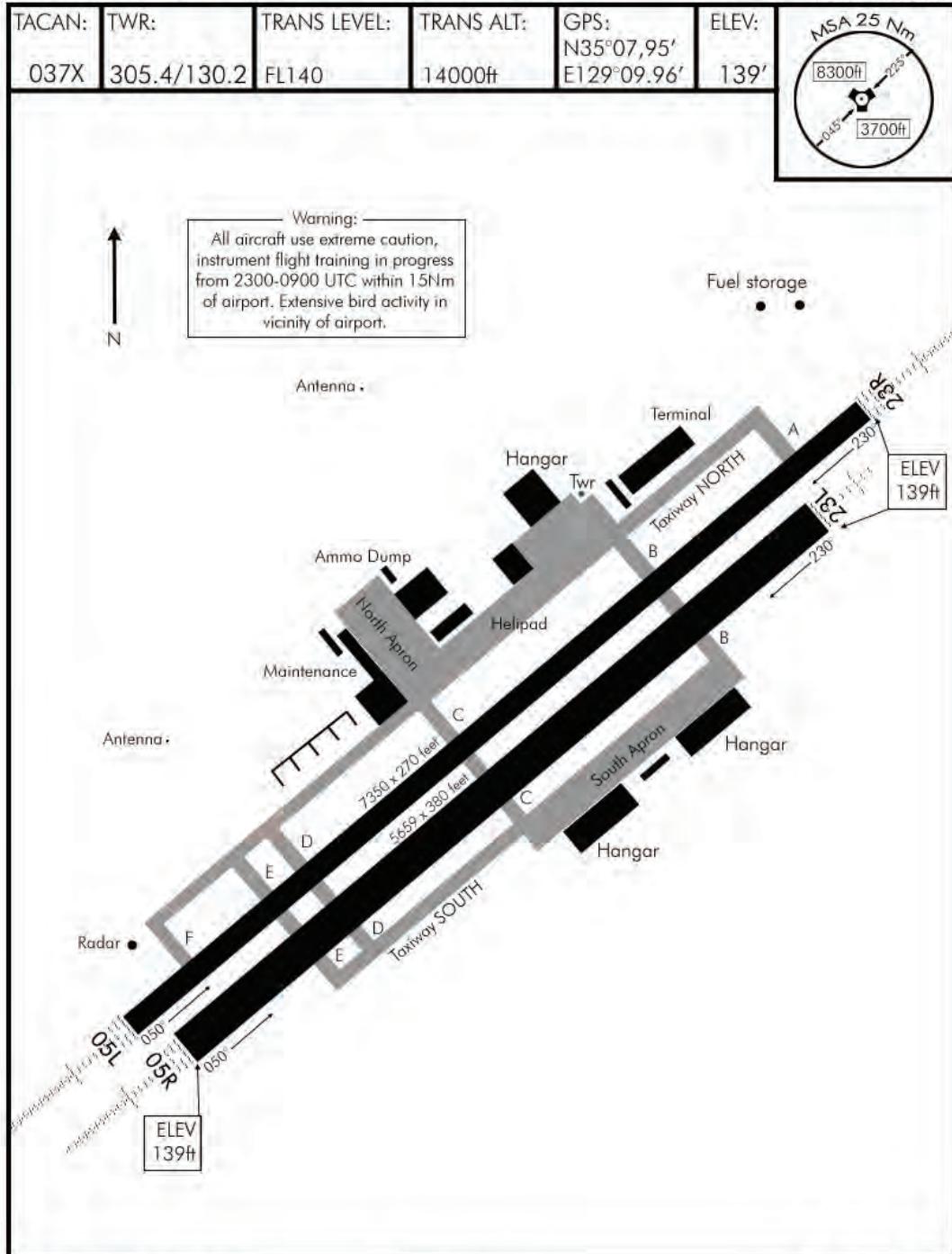
OSAN AB
D94X

Osan AB is 6Nm On R-340°. Do not delay missed approach turn to avoid conflict with East-West pattern on Osan



AIRPORT DIAGRAM

Date: 23 Dec 2009

SACHON (RKPS)
SOUTH KOREA

SACHON ONE DEPARTURE Date: 23 Dec 2009

SACHON (RKPS)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
037X	305.4/130.2	FL140	14000ft	N35°07.95' E129°09.96'	139'



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 23L&R: Climb on runway heading to DME5, RIGHT climbing turn heading 045° to intercept R-360° outbound

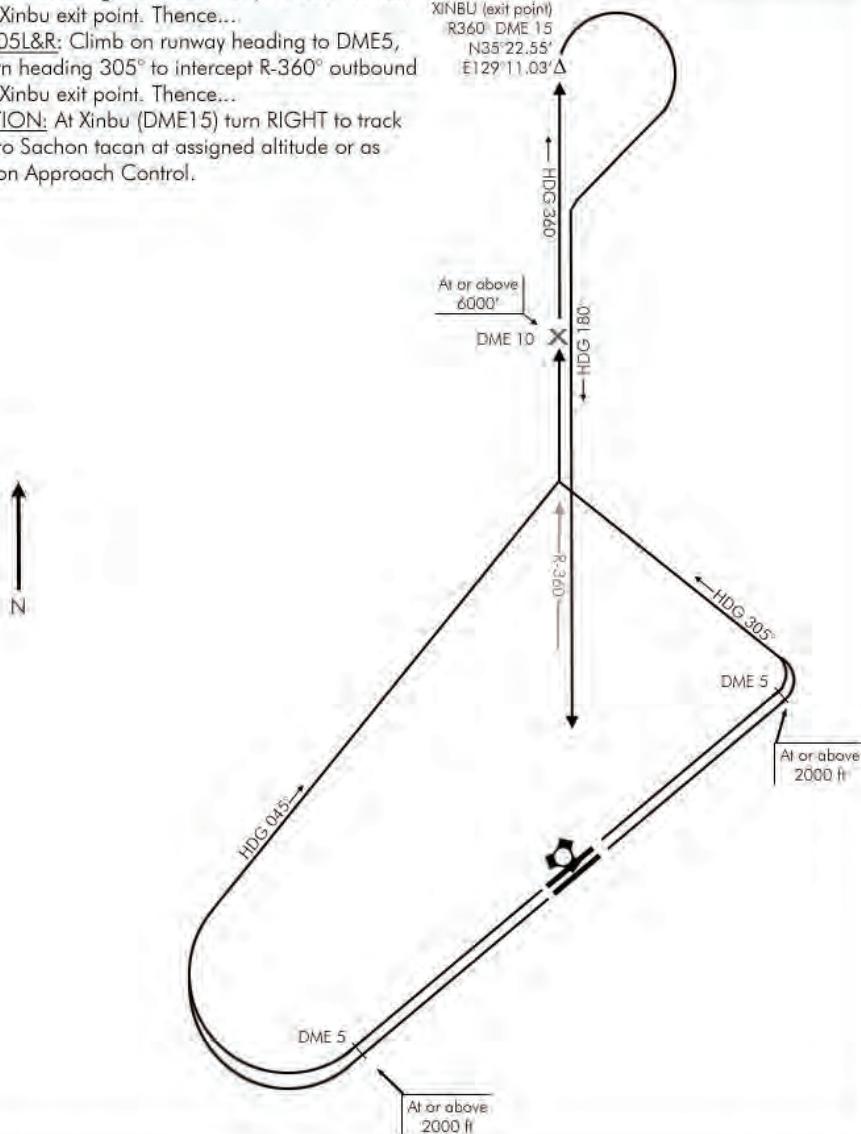
Sachon tacan to Xinbu exit point. Thence...

TAKE-OFF RWY 05L&R: Climb on runway heading to DME5, LEFT climbing turn heading 305° to intercept R-360° outbound

Sachon tacan to Xinbu exit point. Thence...

SOUTH TRANSITION: At Xinbu (DME15) turn RIGHT to track

R-360° inbound to Sachon tacan at assigned altitude or as directed by Sachon Approach Control.



KOREAN NAVIGATION VOLUME

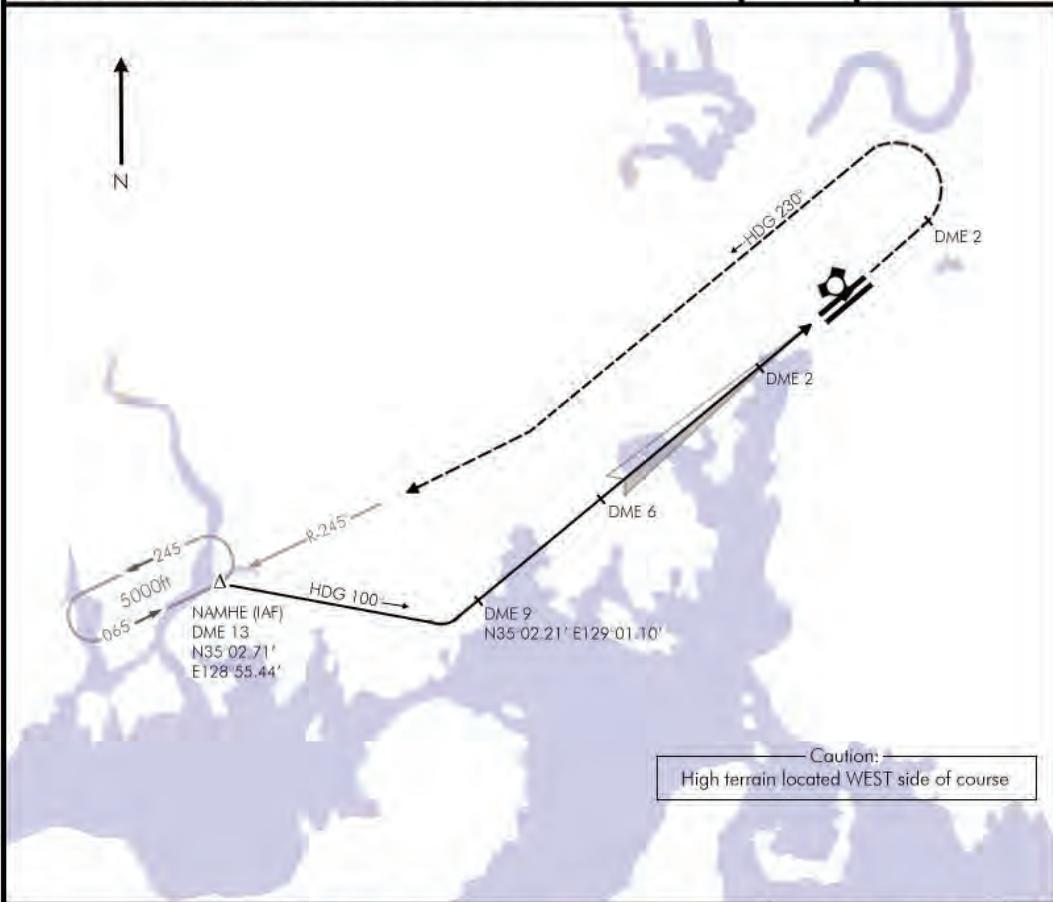
Date: 23 Dec 2009

SACHON (RKPS)
SOUTH KOREA

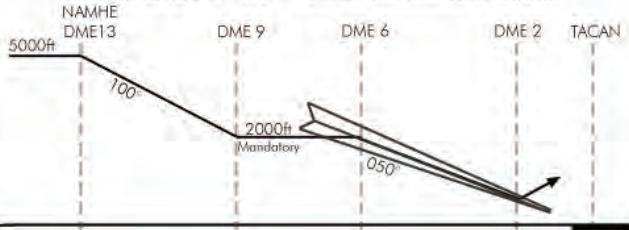
ILS RWY 05L

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N35°07.95' E129°09.96'	ELEV: 139'	 MSA 25 Nm
037X	305.4/130.2	111.5	339'(200'AGL)	050°			

MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 5000ft heading 230° until intercepting R-245°. Outbound Sachon tacan. Hold as published at NAMHE.



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

ILS: 339'(200'AGL)*

Vis: 200-800m

LOC: 539'(400' AGL)**

Vis: 300-1600m

Circling: 939'(800'AGL)

Vis: 600-2000m

*When ALS inop, increase vis to 1200m

**When ALS inop, increase vis to 2000m

ILS RWY 05L

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

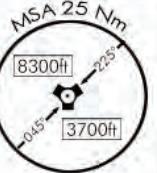
KOREAN NAVIGATION VOLUME

TACAN RWY 05R

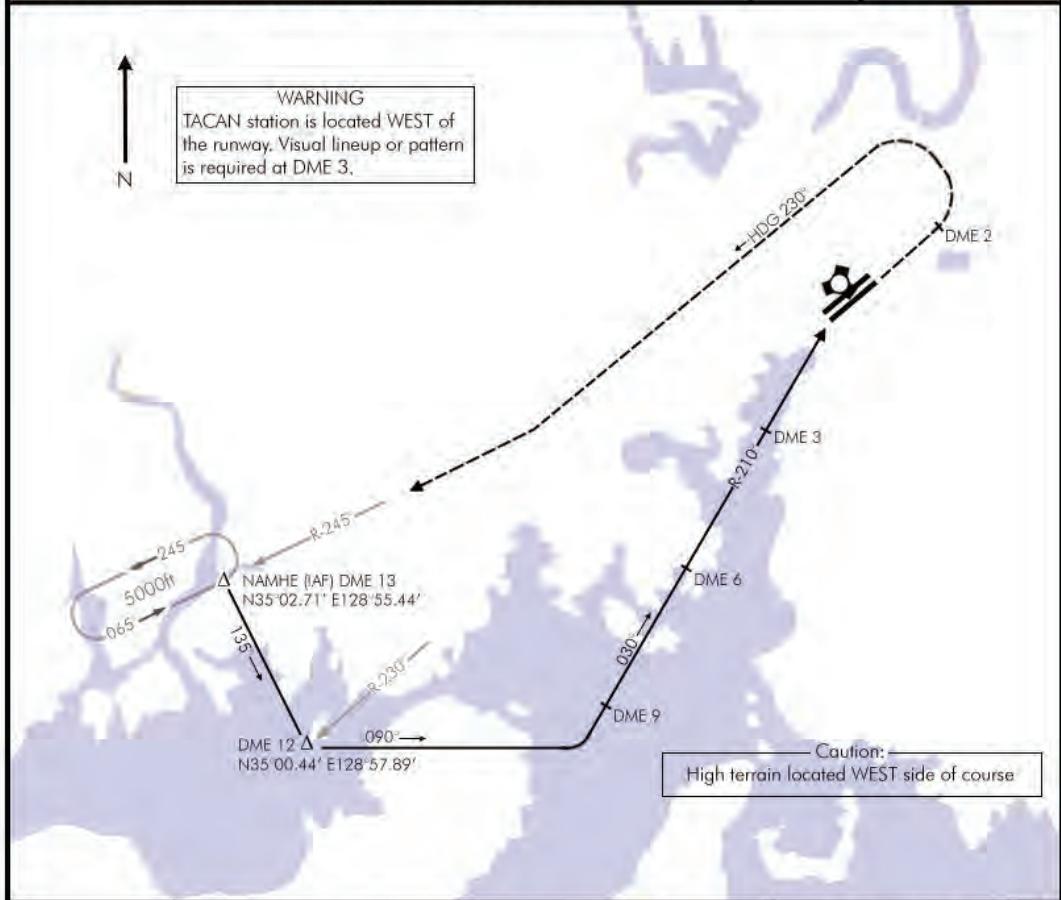
Date: 23 Dec 2009

SACHON (RKPS)
SOUTH KOREA

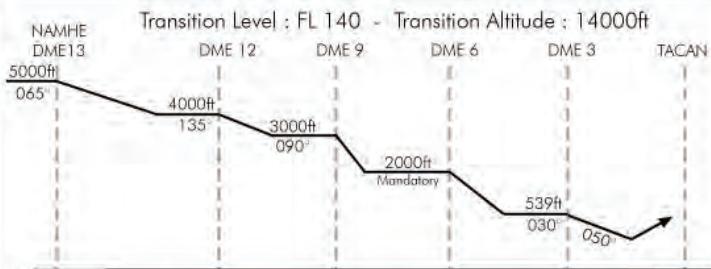
TACAN:	TWR:	TACAN RAD:	TACAN DA(H):	GPS:	ELEV:	
037X	305.4/130.2	210° (Hdg:030°)	539' (400' AGL)	N35°07.95' E129°09.96'	139'	
MISSSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 5000ft heading 230° until intercepting R-245° Outbound Sachon tacan. Hold as published at NAMHE						



WARNING
TACAN station is located WEST of
the runway. Visual lineup or pattern
is required at DME 3.



Caution:
High terrain located WEST side of course



MINIMA:

TACAN: 539'(400'AGL)*
Vis: 300-1600m
at DME 3

Circling: 939'(800'AGL)
Vis: 600-2000m
*When ALSF inop, increase vis to

TACAN RWY 05R

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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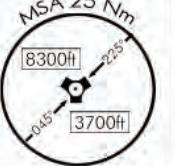
SACHON (RKPS)
SOUTH KOREA

KOREAN NAVIGATION VOLUME

TACAN RWY 23L

Date: 23 Dec 2009

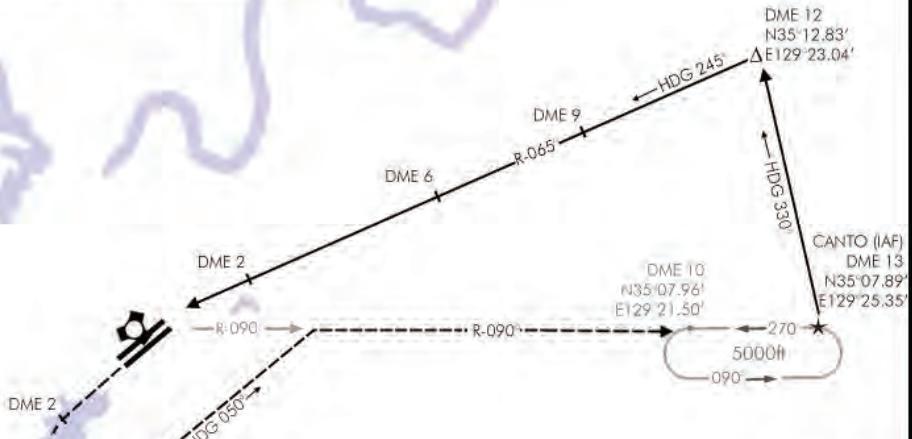
SACHON (RKPS)
SOUTH KOREA

TACAN:	TWR:	TACAN RAD:	TACAN DA(H)	GPS: N35°07.95' E129°09.96'	ELEV: 139'	
037X	305.4/130.2	065° (hdg 245)	539' (400' AGL)			

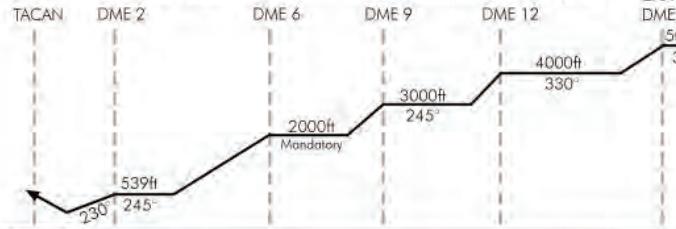
MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 5000ft heading 050° until intercepting R-090° Outbound Sachon tacan. Hold as published at CANTO

WARNING
TACAN station is located WEST of the runway. Visual lineup or pattern is required at DME 3.

N



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 539'(400'AGL)*
Vis: 300-1600m
at DME2

Circling: 939'(800'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 2000m

TACAN RWY 23L

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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SACHON (RKPS)
SOUTH KOREA

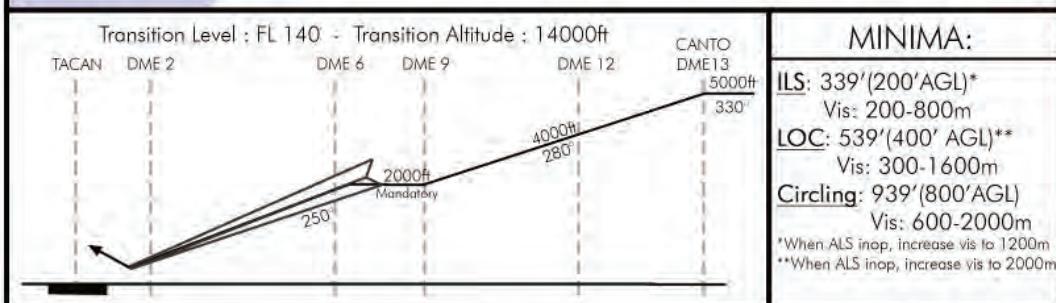
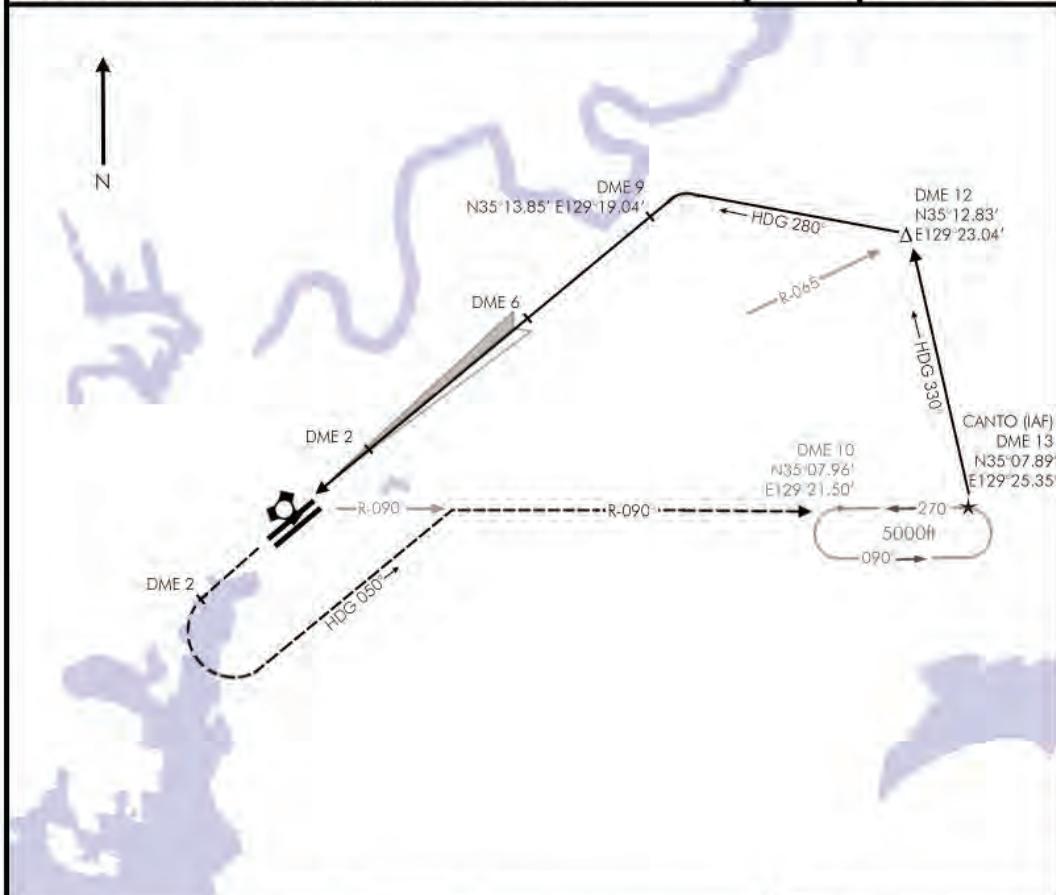
KOREAN NAVIGATION VOLUME

ILS RWY 23R

Date: 23 Dec 2009

SACHON (RKPS)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS: N35°07'95" E129°09'96"	ELEV: 139'	
037X	305.4/130.2	108.1	339'(200'AGL)	230°			
MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 5000ft heading 050° until intercepting R-090° Outbound Sachon tacan. Hold as published at CANTO						ALSF-1 PAPI	MSA 25 Nm 8300ft 225° 345 3700ft



ILS RWY 23R

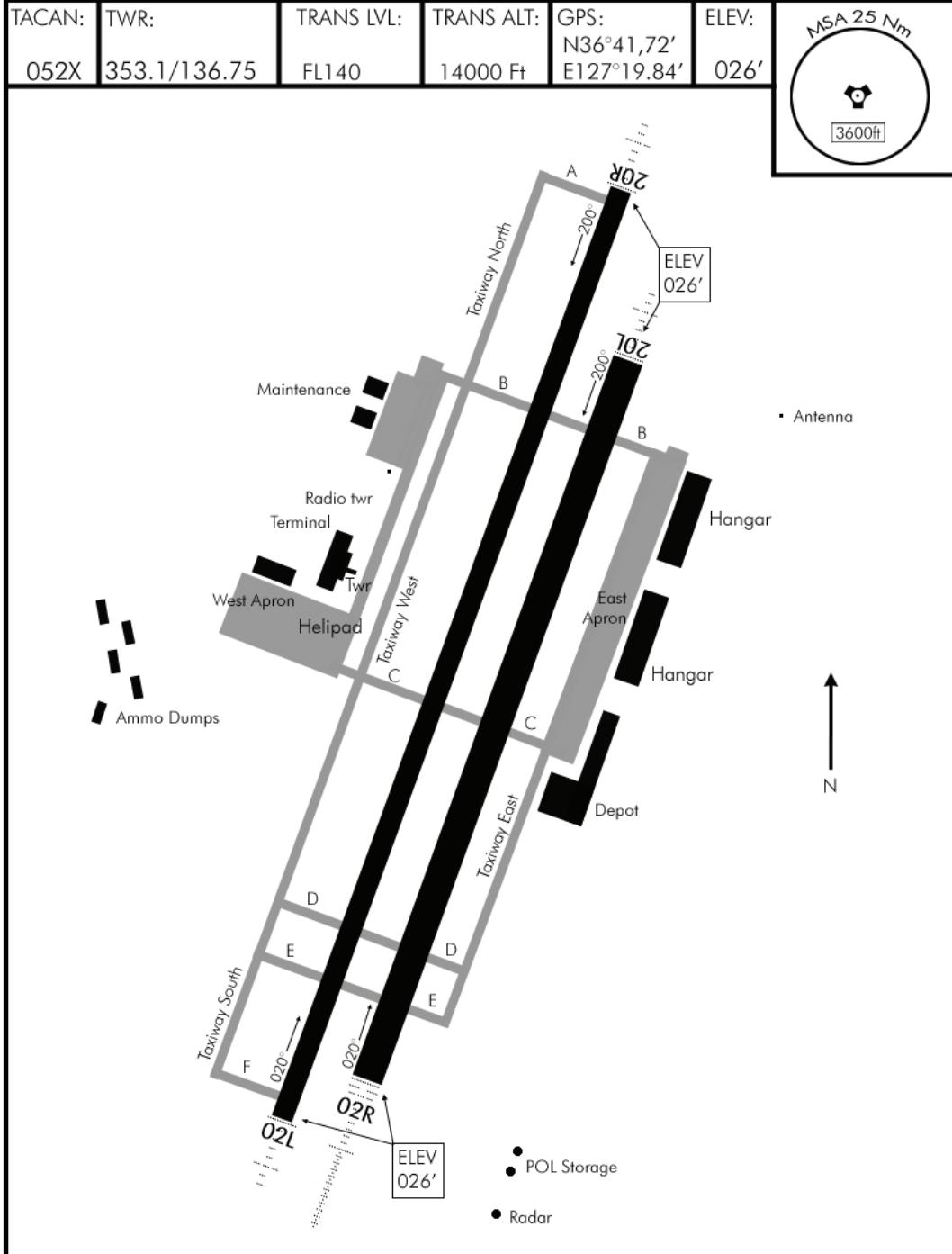
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

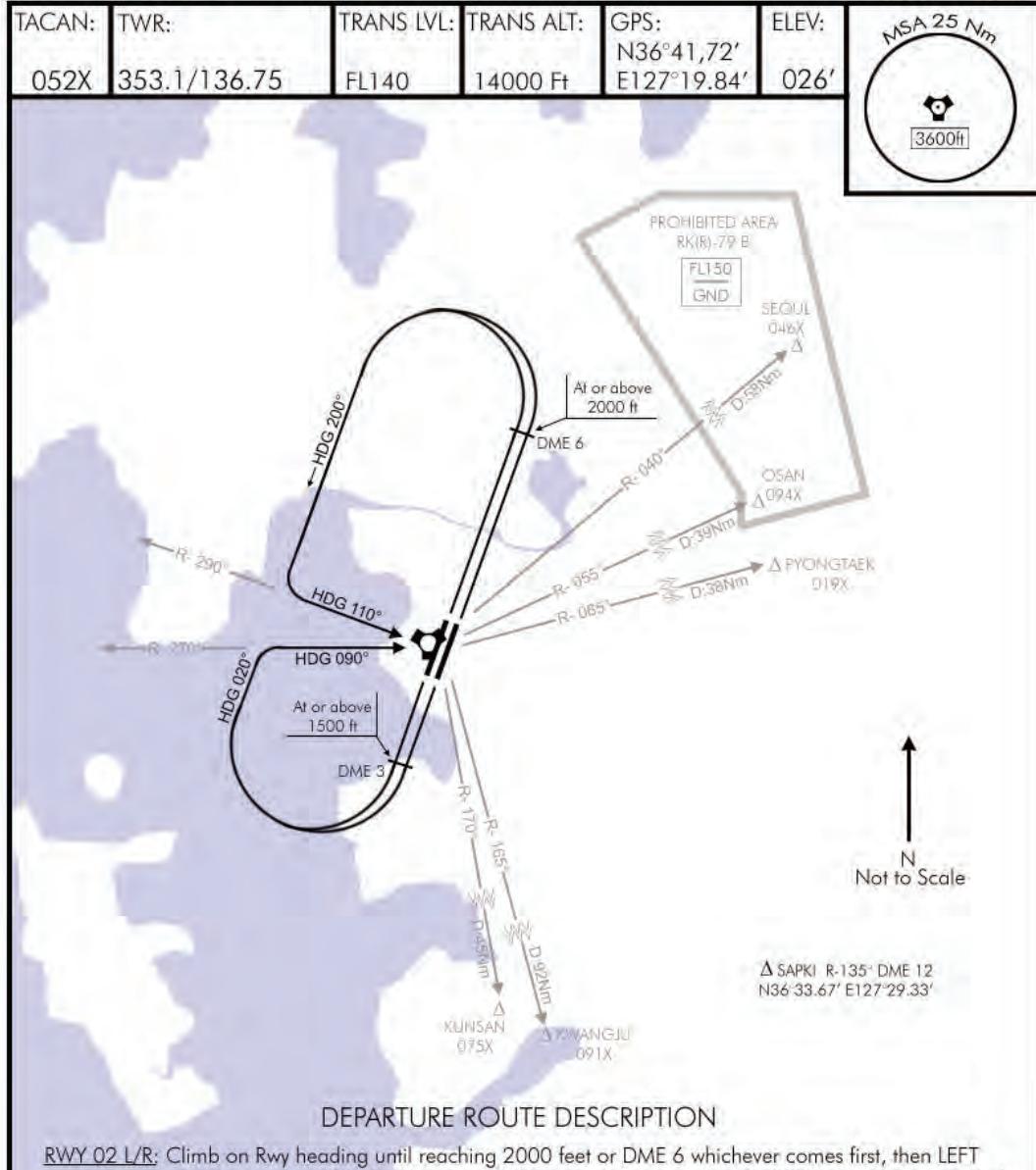
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SACHON (RKPS)
SOUTH KOREA

AIRPORT DIAGRAM

Date: 17 Dec 09

SEOSAN / HAEMI (RKTP)
SOUTH KOREA



DEPARTURE ROUTE DESCRIPTION

RWY 02 L/R: Climb on Rwy heading until reaching 2000 feet or DME 6 whichever comes first, then LEFT climbing turn to 5000 feet heading 200°. Turn LEFT inbound on R-290° and continue to climb to assigned altitude. Thence,...

RWY 20 L/R: Climb on Rwy heading until reaching 1500 feet or DME3 whichever comes first, then RIGHT climbing turn to 4000 feet heading 020°. Turn RIGHT inbound on R-270° and continue to climb to assigned altitude. Thence,...

HI TACAN RWY 02L

Date: 17 Dec 09

SEOSAN / HAEMI (RKTP)
SOUTH KOREA

TACAN:	TWR:	TCN DA(H):	TCN RAD:	GPS:	ELEV:
052X	353.1/136.75	736'(710' AGL)	010°	N36°41.72' E127°19.84'	026'

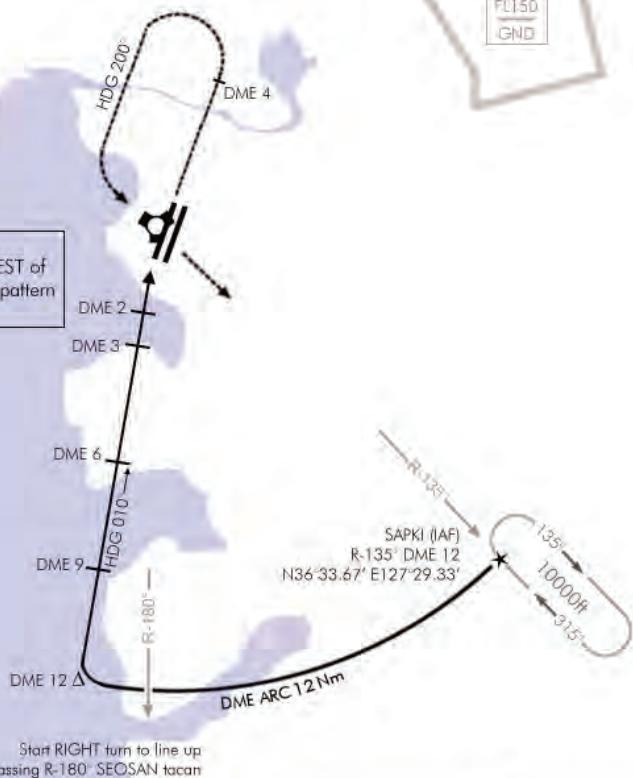
MISSED APPROACH: Climb straight ahead to 3000ft until reaching DME4. Then LEFT climbing turn to 5000ft hdg 200° until intercepting R-135° Seosan Tacan Outbound. Hold at SAPKI as published.



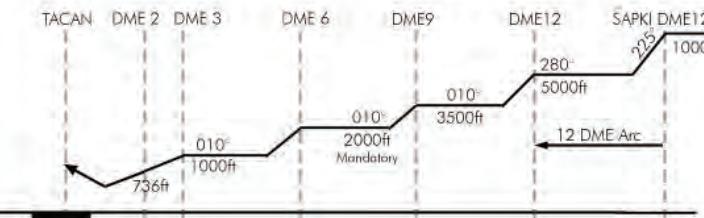
EMERG SAFE ALT 100 NM: 8600ft

PROHIBITED AREA
RNRR-79 BFL15D
GND

WARNING
TACAN station is located WEST of the runway. Visual lineup or pattern is required at DME2.



Transition Level : FL 140 - Transition Altitude : 14000ft

**MINIMA:**

TACAN: 736'(710'AGL)*
Vis: 300-1600m
at DME 2

Circling: 926'(900'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 2000m

HI TACAN RWY 02L

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

ILS RWY 02R

Date: 17 Dec 09

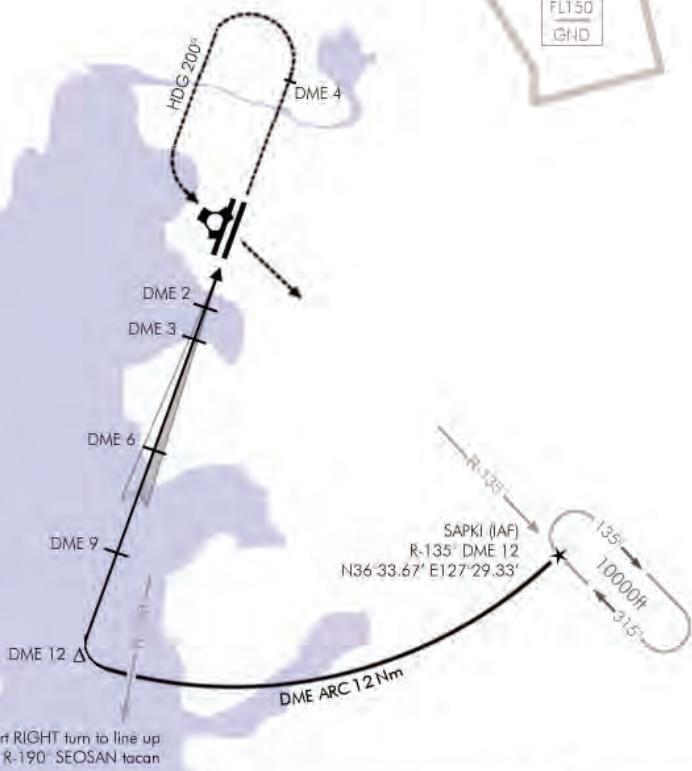
SEOSAN / HAEMI (RKTP)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H):	LOC:	GPS:	ELEV:
052X	353.1/136.75	111.5	226' (200' AGL)	020°	N36°41.72' E127°19.84'	026'

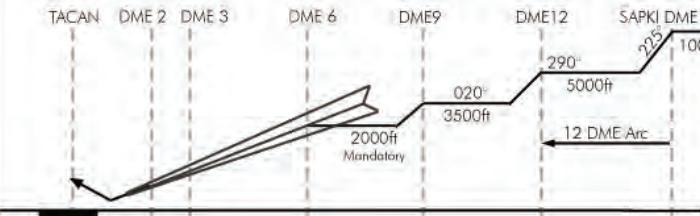
MISSED APPROACH: Climb straight ahead to 3000ft until reaching DME4. Then LEFT climbing turn to 5000ft hdg 200° until intercepting R-135° Seosan Tacan Outbound. Hold at SAPKI as published.



EMERG SAFE ALT 100 NM: 8600ft

PROHIBITED AREA
RN/R=79 BFL150
GNDStart RIGHT turn to line up
passing R-190° SEOŠAN tacan

Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

<u>ILS:</u> 226'(200'AGL)*
Vis: 200-800m
<u>LOC:</u> 446'(420' AGL)**
Vis: 300-1600m
<u>Circling:</u> 876'(850'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 1200m
**When ALS inop, increase vis to 2000m

ILS RWY 02R

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

HI TACAN RWY 20L

Date: 17 Dec 09

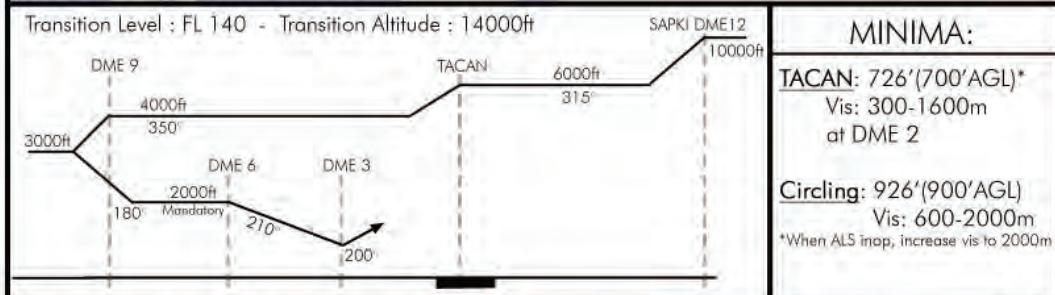
SEOSAN / HAEMI (RKTP)
SOUTH KOREA

TACAN:	TWR:	TCN DA(H):	TCN RAD:	GPS:	ELEV:
052X	353.1/136.75	726' (700' AGL)	200°	N36°41.72' E127°19.84'	026'

MISSED APPROACH: Climb straight ahead to DME2. Then LEFT climbing turn to 5000ft hdg 090° until intercepting R-135° Seosan Tacan outbound. Hold at SAPKI as published (10.000ft)



EMERG SAFE ALT 100 NM: 8600ft



HI TACAN RWY 20L

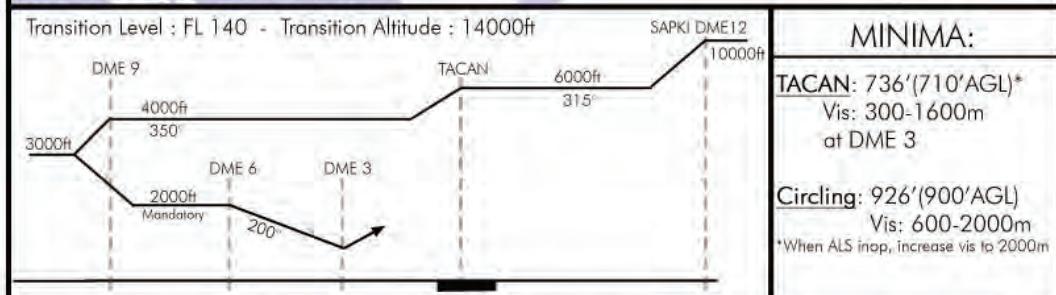
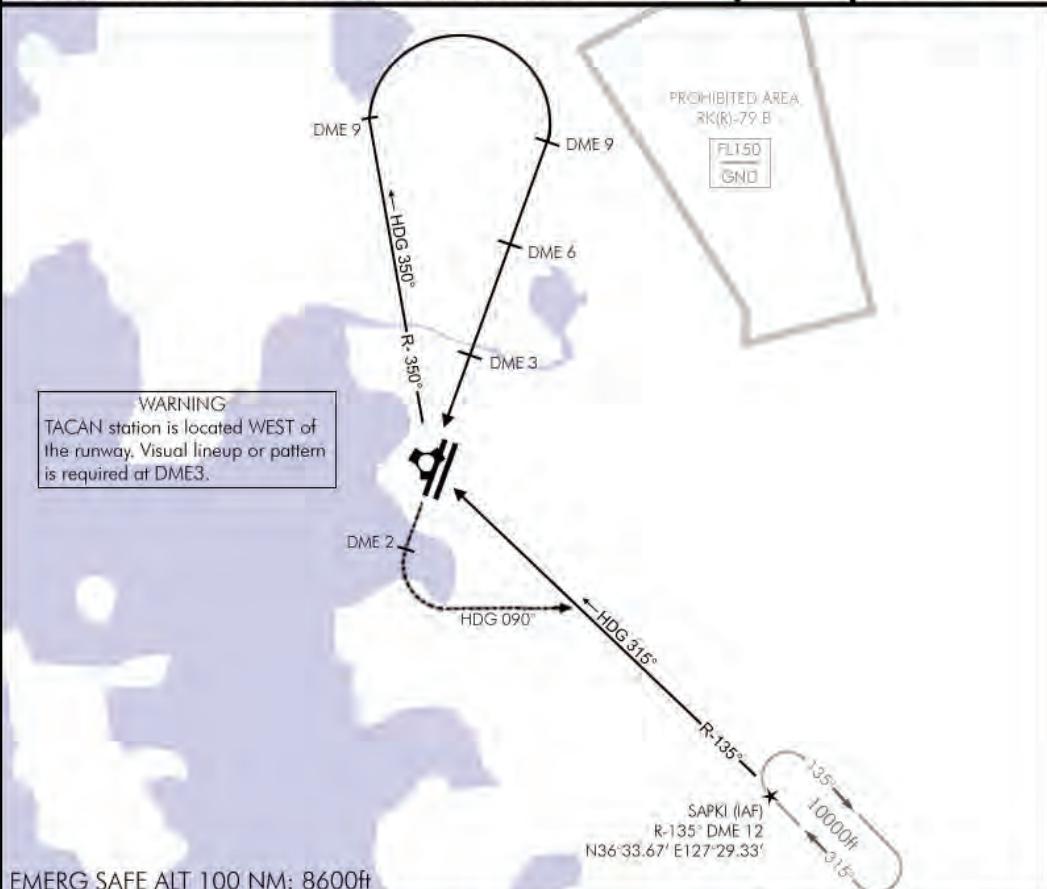
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

HI TACAN RWY 20R

Date: 17 Dec 09

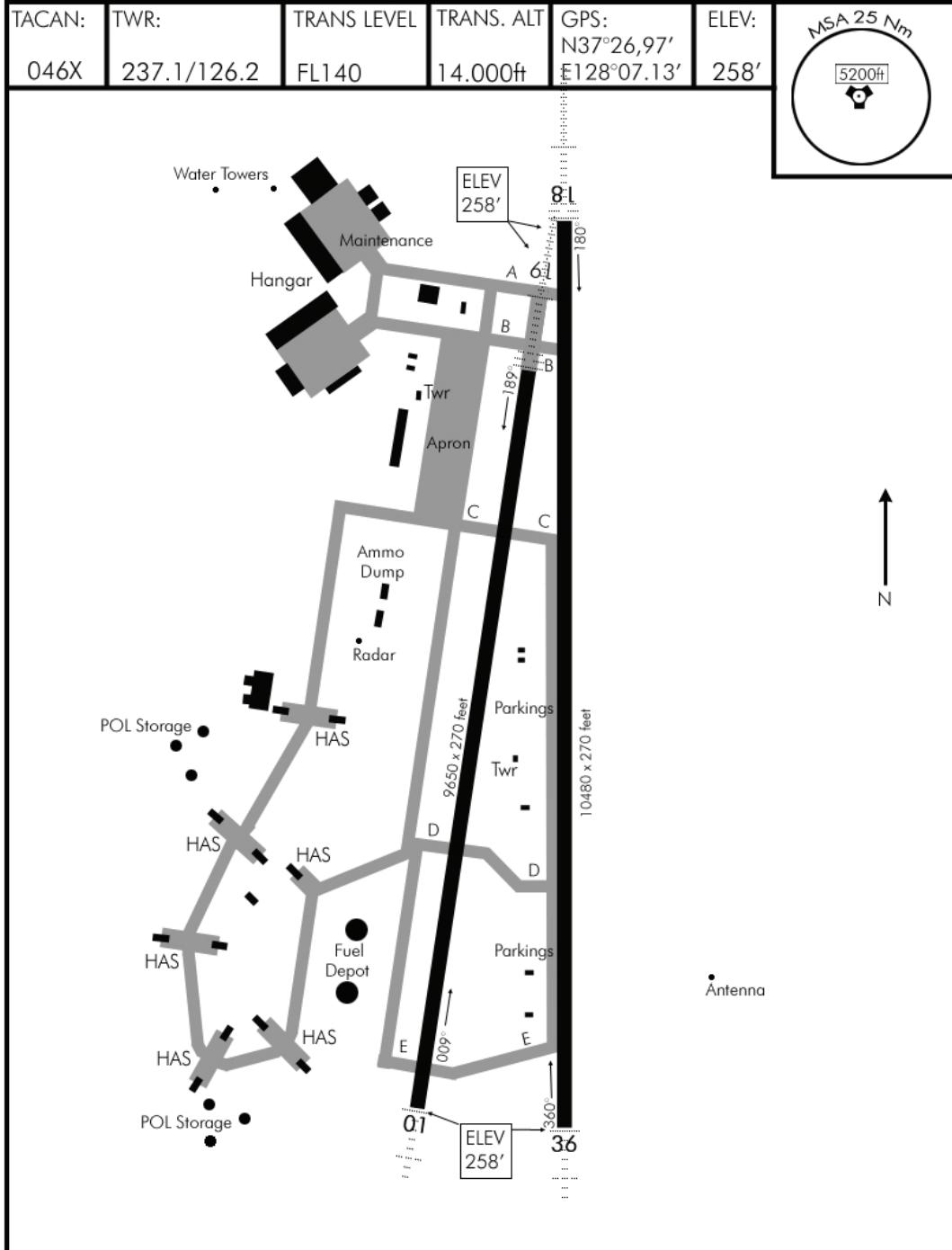
SEOSAN / HAEMI (RKTP)
SOUTH KOREA

TACAN:	TWR:	TCN DA(H):	TCN RAD:	GPS:	ELEV:
052X	353.1/136.75	736' (710' AGL)	200°	N36°41.72' E127°19.84'	026'
MISSED APPROACH: Climb straight ahead to DME2. Then LEFT climbing turn to 5000ft hdg 090° until intercepting R-135° Seosan Tacan outbound. Hold at SAPKI as published (10.000ft)					



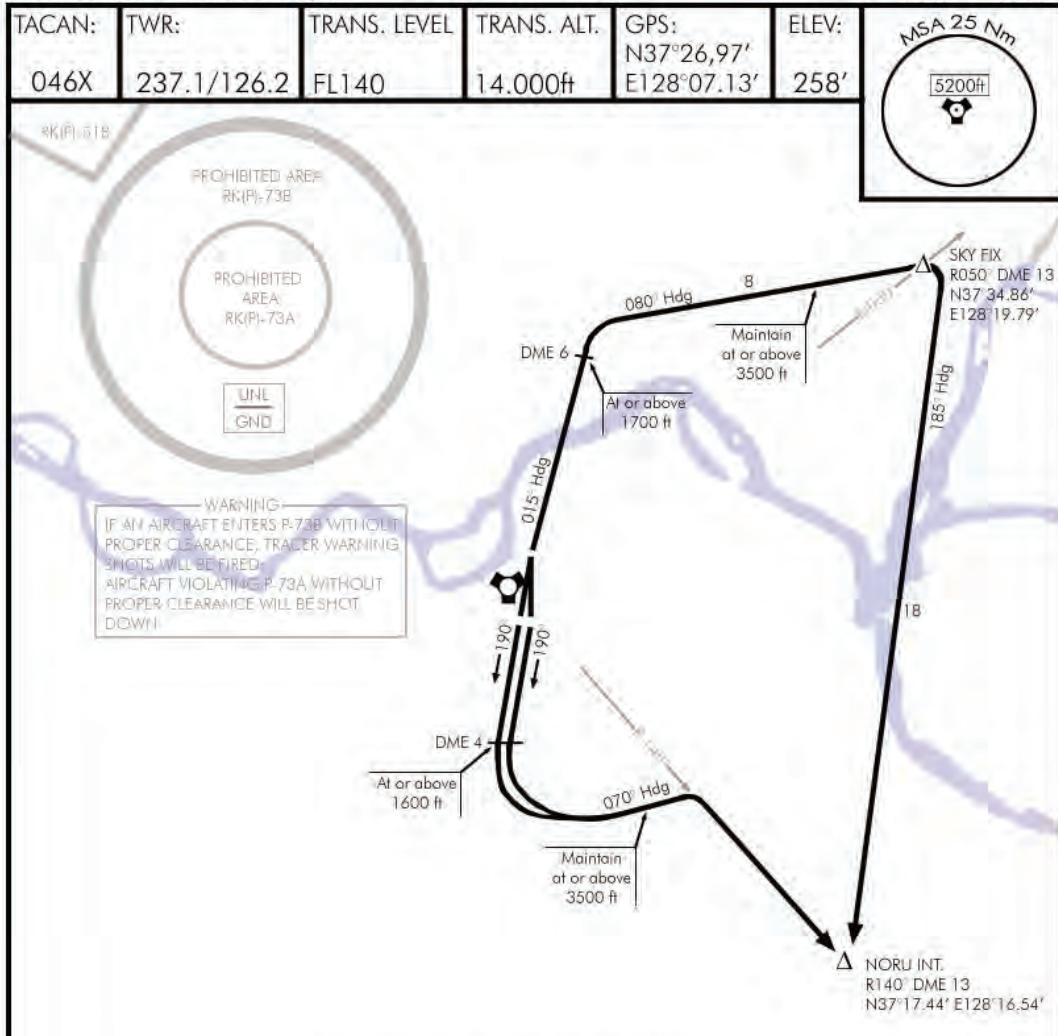
AIRPORT DIAGRAM

20 Dec 09

SEOUL AB (RKSM)
SOUTH KOREA

NORU ONE DEPARTURE

20 Dec 09

SEOUL AB (RKS)M
SOUTH KOREA

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWYs 01/36: Climb on 015° heading until 6 DME, then right climbing turn on 080° heading to R-050°. Maintain at or above 3500ft. After crossing R-050°, turn right proceed to NORU int, Thence...

TAKE-OFF RWYs 18/19: Climb on 190° heading until 4 DME, then left climbing turn to 070° heading to intercept R-140°. Maintain at or above 3500ft track 190°. On R-140° Seoul Tacan, proceed to NORU int, Thence...

NORU ONE DEPARTURE

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

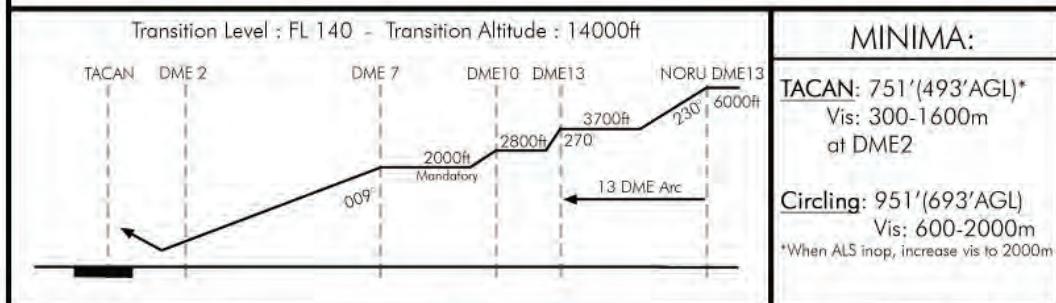
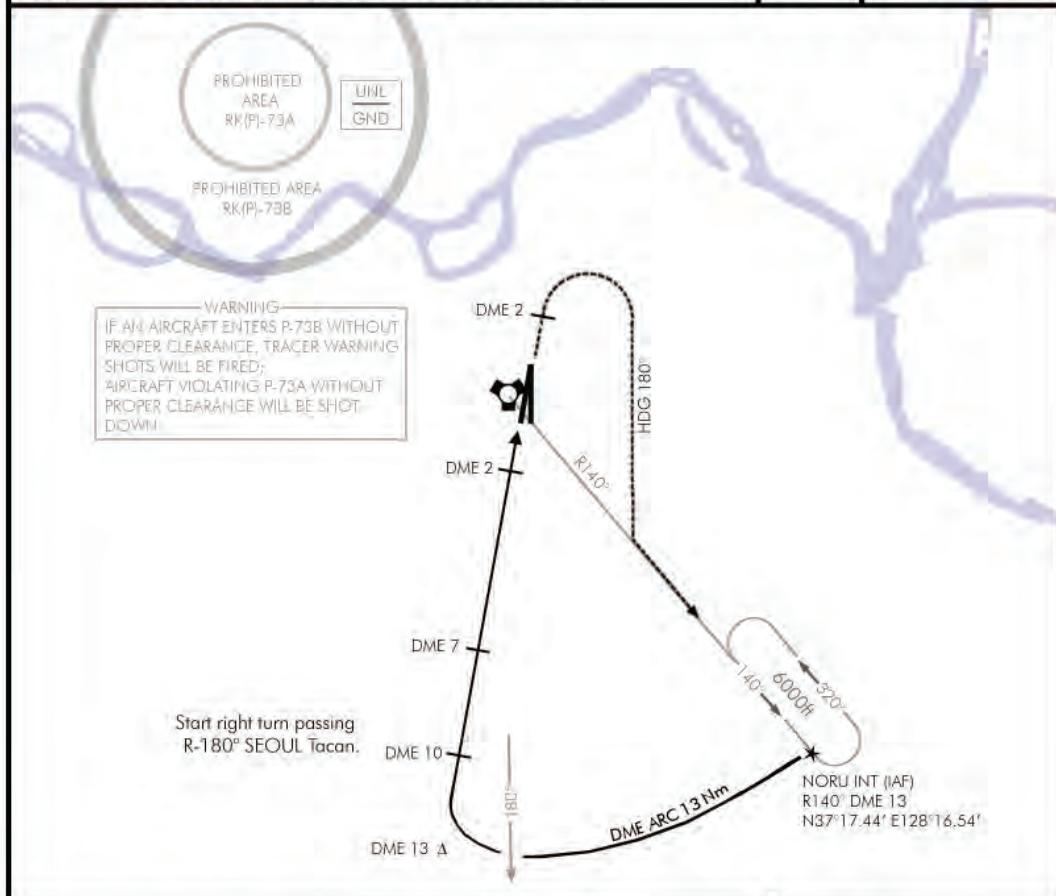
TACAN RWY 01

20 Dec 09

SEOUL AB (RKSM)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TACAN RAD:	GPS: N37°26.97' E128°07.13'	ELEV: 258'	MSA 25 Nm 5200ft
046X	237.1/126.2	751'(493' AGL)	009°		MALSF PAPI	

MISSED APPROACH: Climb straight ahead until DME 2 or reaching 1700ft, then RIGHT climbing turn to 6000ft heading 180° to intercept Radial 140° outbound and hold at NORU fix at DME 13.



TACAN RWY 01

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

TACAN RWY 18

20 Dec 09

SEOUL AB (RKSM)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TACAN RAD:	GPS:	ELEV:	
046X	237.1/126.2	751' (493' AGL)	180°	N37°26.97' E128°07.13'	258'	
MISSSED APPROACH: Climb straight ahead until DME 2 or reaching 1700ft, then LEFT climbing turn to 6000 heading 020° to intercept Radial 050° outbound and hold at SKY DME 13.						MSA 25 Nm 5200ft

Caution: For turning from 13 DME arc onto final approach course do not overshoot to avoid penetrating P-73 prohibited area located right side of final approach course.

Start left turn passing R-010° SEOUL Tacan.

PROHIBITED AREA
RK(P)-73B

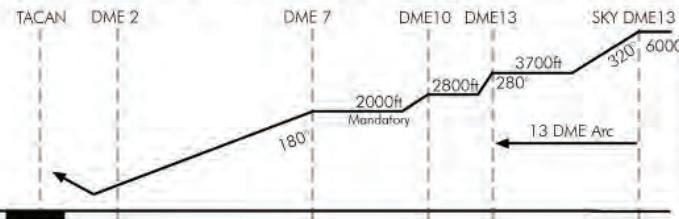
PROHIBITED AREA
RK(P)-73A

UNL
GND

WARNING
IF AN AIRCRAFT ENTERS P-73B WITHOUT PROPER CLEARANCE, TRACER WARNING SHOTS WILL BE FIRED;
AIRCRAFT VIOLATING P-73A WITHOUT PROPER CLEARANCE WILL BE SHOT DOWN!



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 751' (493' AGL)*
Vis: 300-1600m
at DME2

Circling: 951' (693' AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 2000m

TACAN RWY 18

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

ILS RWY 19

20 Dec 09

SEOUL AB (RKSM)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H)	LOC:	GPS: N37°26.97' E128°07.13'	ELEV:	
046X	237.1/126.2	110.9	488'(230' AGL)	189°		258'	

MISSED APPROACH: Climb straight ahead until DME 2 or reaching 1700ft, then LEFT climbing turn to 6000 heading 020° to intercept Radial 050° outbound and hold at SKY DME 13.



Caution: For turning from 13 DME arc onto final approach course do not overshoot to avoid penetrating P-73 prohibited area located right side of final approach course.

Start left turn to intercept ILS passing R-020° SEOUL Tacan.

PROHIBITED AREA
RK(P)-73B

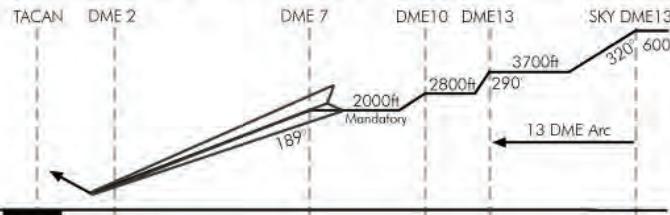
PROHIBITED
AREA
RK(P)-73A

UNL
GND

WARNING
IF AN AIRCRAFT ENTERS P-73B WITHOUT PROPER CLEARANCE, TRACER WARNING SHOTS WILL BE FIRED;
AIRCRAFT VIOLATING P-73A WITHOUT PROPER CLEARANCE WILL BE SHOT DOWN!



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

ILS: 488'(230'AGL)*

Vis: 200-800m

LOC: 751'(493' AGL)**

Vis: 300-1600m

Circling: 951'(693'AGL)

Vis: 600-2000m

*When ALS inop, increase vis to 1200m

**When ALS inop, increase vis to 2000m

ILS RWY 19

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

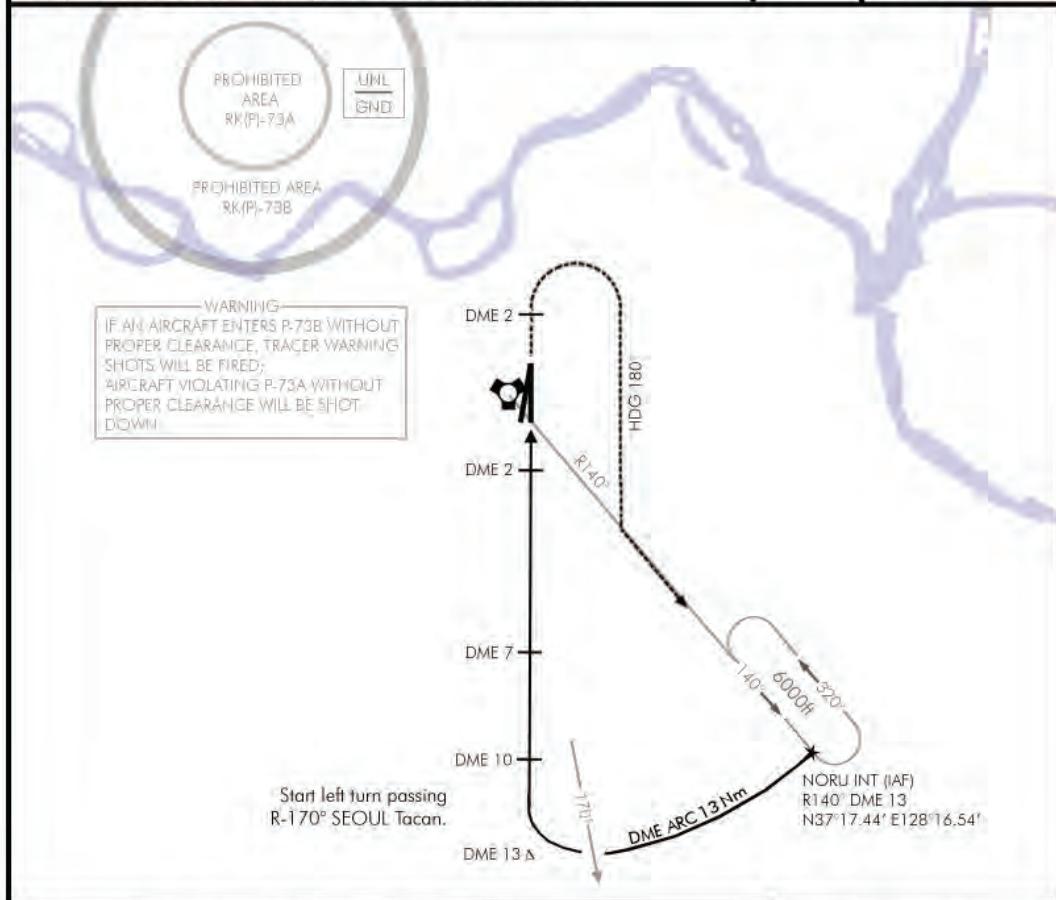
TACAN RWY 36

20 Dec 09

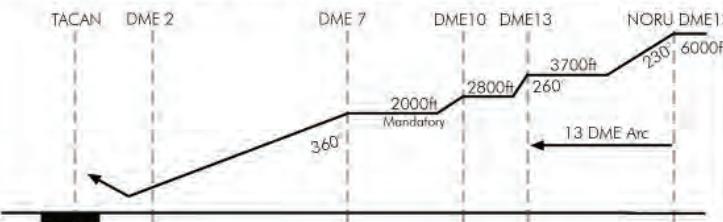
SEOUL AB (RKSM)
SOUTH KOREA

TACAN:	TWR:	TACAN DA(H)	TACAN RAD:	GPS: N37°26.97' E128°07.13'	ELEV: 258'	MSA 25 Nm 5200ft
046X	237.1/126.2	751'(493' AGL)	360°			

MISSED APPROACH: Climb straight ahead until DME 2 or reaching 1700ft, then RIGHT climbing turn to 6000ft heading 180° to intercept Radial 140° outbound and hold at NORU fix at DME 13.



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 751'(493'AGL)*
Vis: 300-1600m
at DME2

Circling: 951'(693'AGL)
Vis: 600-2000m

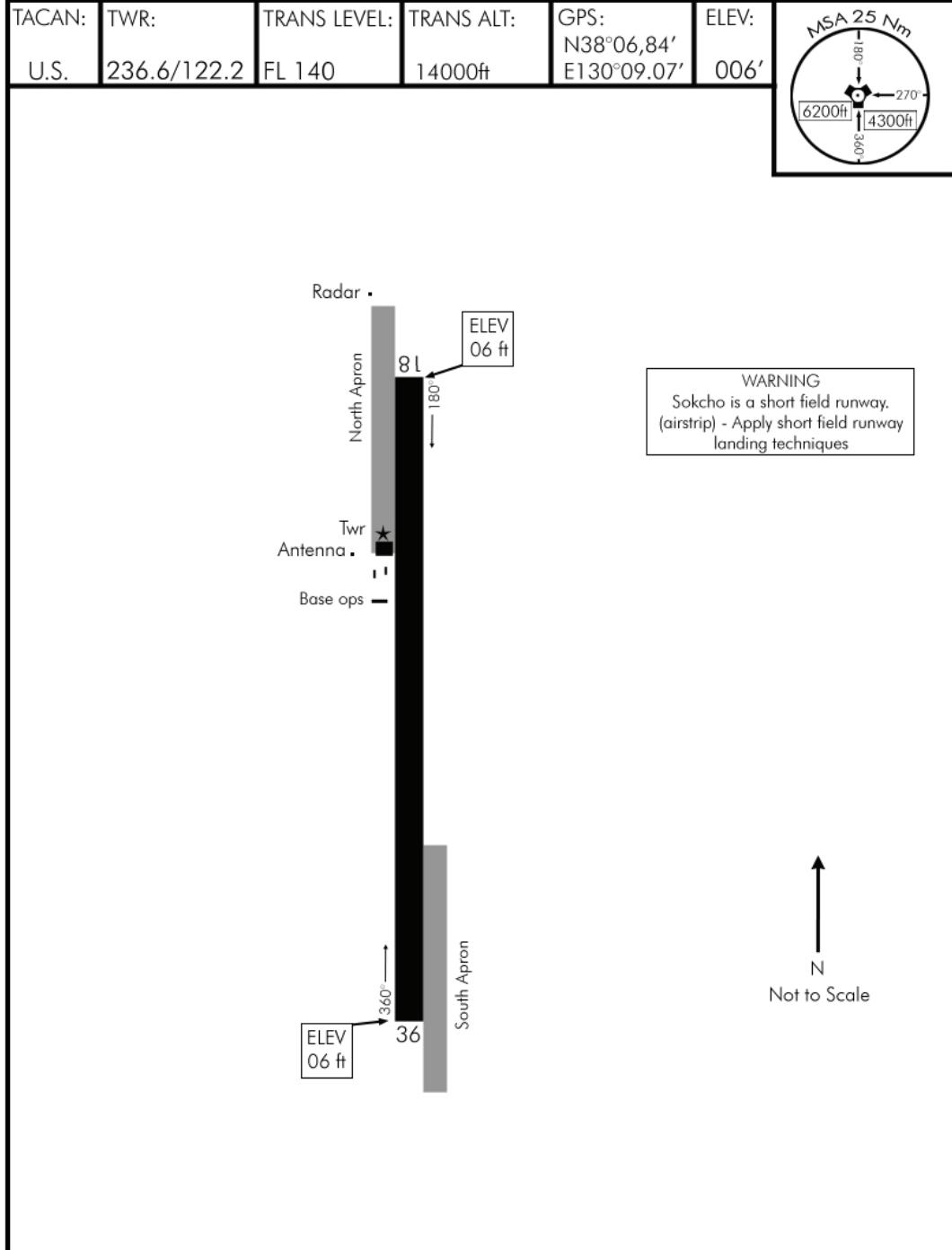
*When ALS inop, increase vis to 2000m

TACAN RWY 36

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

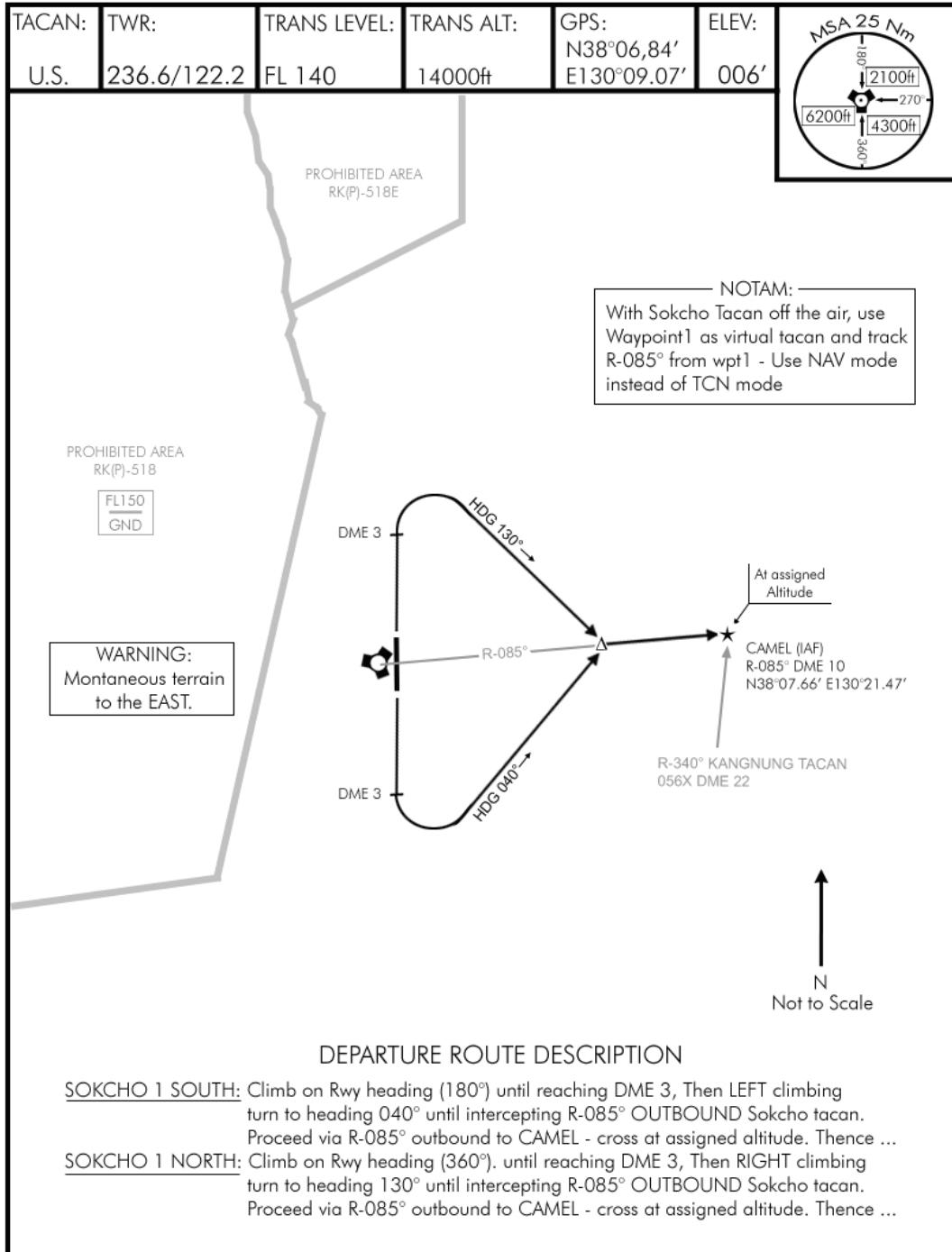
AIRPORT DIAGRAM

10 March 05

SOKCHO (RKND)
SOUTH KOREA

SOKCHO ONE DEPARTURE

10 March 05

SOKCHO (RKND)
SOUTH KOREA

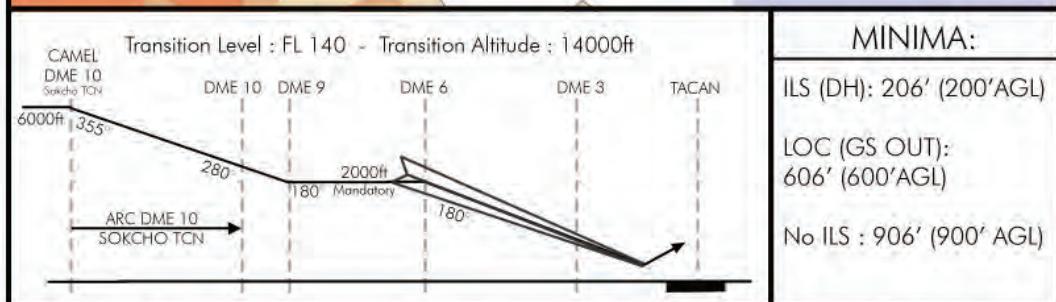
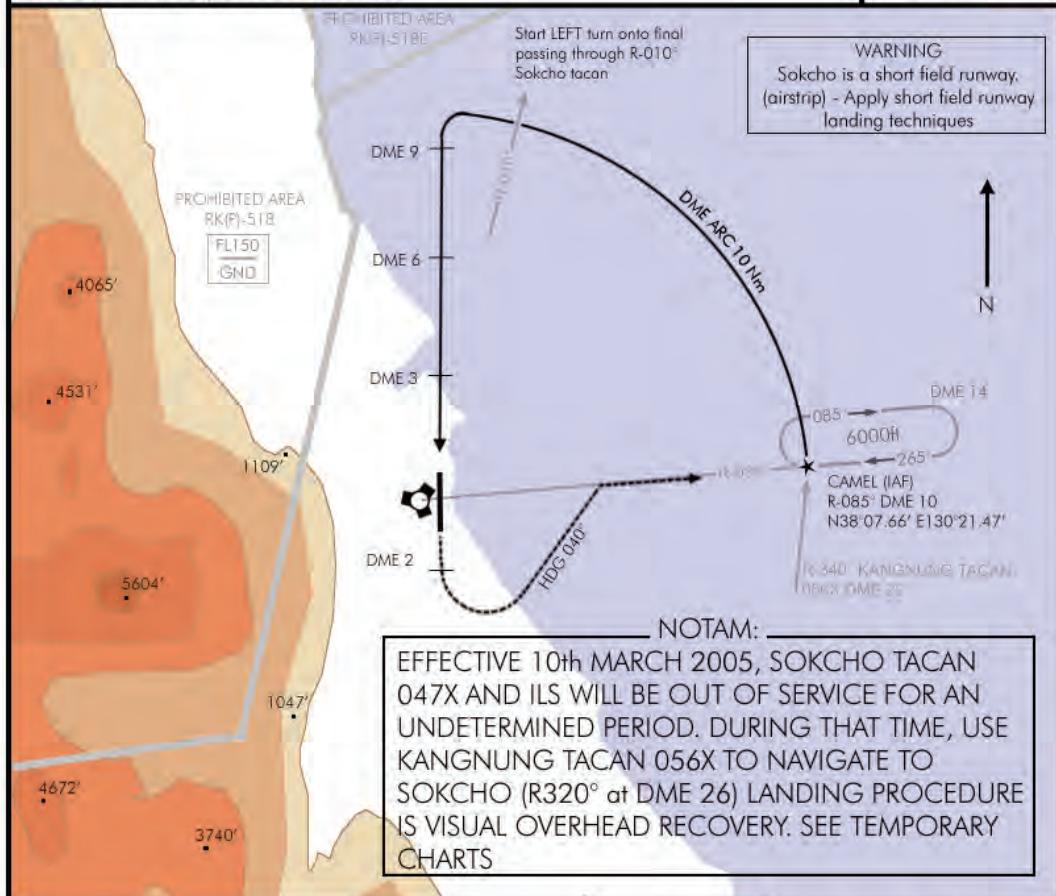
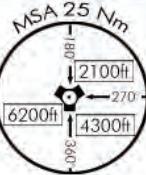
ILS RWY 18

10 March 05

SOKCHO (RKND)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DA(H)	GPS:	ELEV:
047X	236.6/122.2	111.0	206' (200' AGL)	N38°06.84' E130°09.07'	006'

MISSED APPROACH: Climb straight ahead to DME2. Then LEFT climbing turn to 6000ft hdg 040° until intercepting R-085° Sokcho Tacan outbound. Hold at Camel as published (6.000ft)



ILS RWY 18

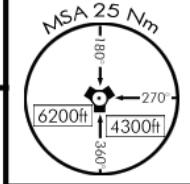
NOT FOR REAL NAVIGATION - FALCON 4 ONLY

NOTAM

10 March 05

SOKCHO (RKND)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
U.S.	236.6/122.2	FL 140	14000ft	N38°06.84' E130°09.07'	006'



MSA 25 Nm
6200ft
4300ft
080°
270°
360°

SOKCHO TACAN 047X AND COLLOCATED ILS (111.0) ARE OUT OF SERVICE FOR AN UNDETERMINED PERIOD OF TIME.

DURING THAT TIME KANGNUNG TACAN 056X HAS TO BE USED FOR NAVIGATING TO SOKCHO AIRBASE.

SOKCHO AB IS LOCATED ON RADIAL 320° OF KANGNUNG TACAN (056X) AT DME 26NM.

FOR ADDITIONAL INFORMATION
REFER TO CHART NOTAMS AND
TEMPORARY PROCEDURES

NOTAM

NOT FOR REAL NAVIGATION - FALCON 4 ONLY

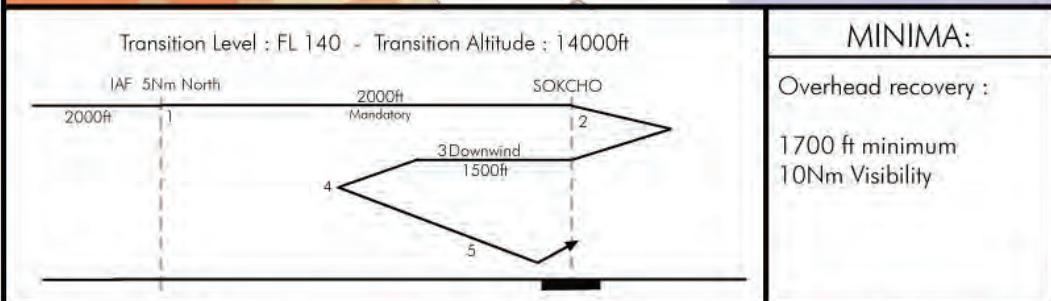
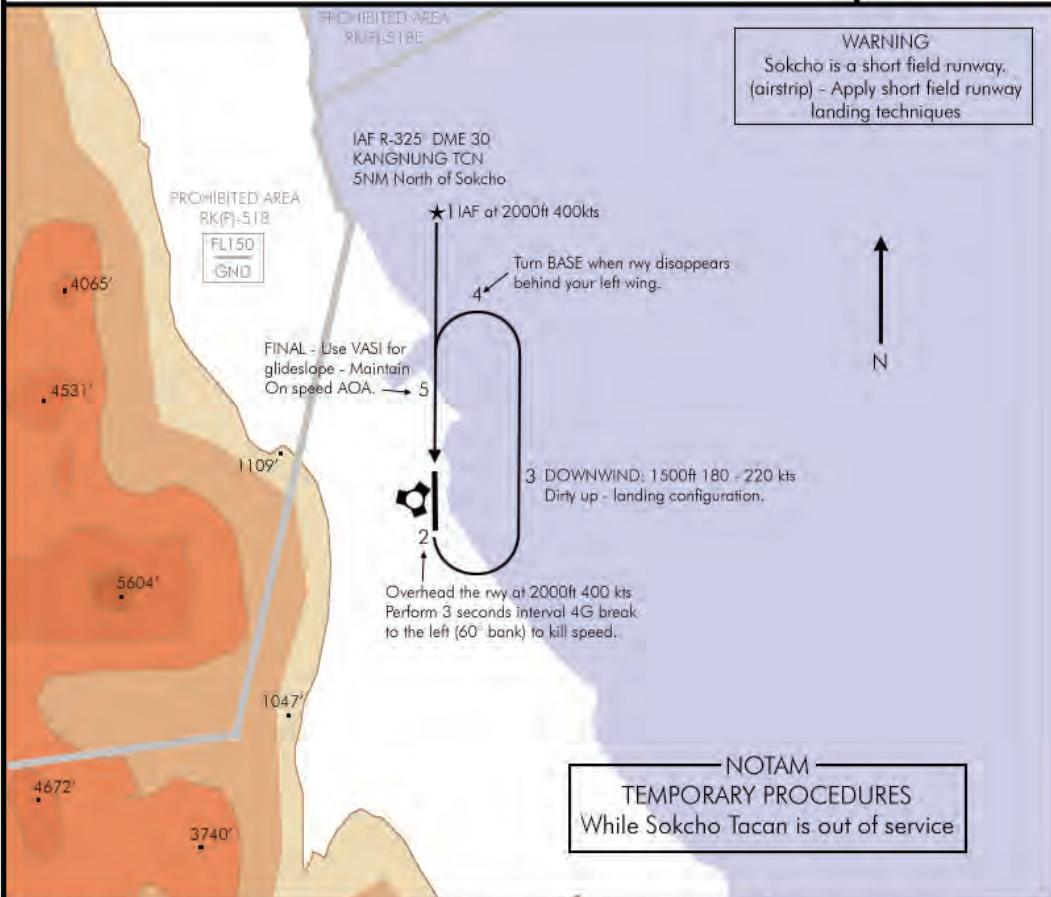
10 March 05

SOKCHO (RKND)
SOUTH KOREA

VISUAL RWY 18

TACAN:	TWR:	ILS:	PATTERN:	GPS:	ELEV:
U.S.	236.6/122.2	U.S.	LEFT TURN	N38°06'84" E130°09.07'	006'

MISSED APPROACH: Climb straight ahead and re-enter the pattern maintaining correct separation.



VISUAL RWY 18

NOT FOR REAL NAVIGATION - FALCON 4 ONLY

SOKCHO (RKND)
SOUTH KOREA

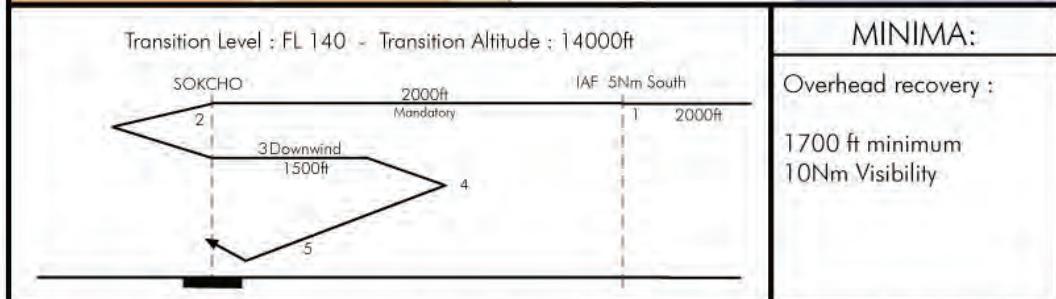
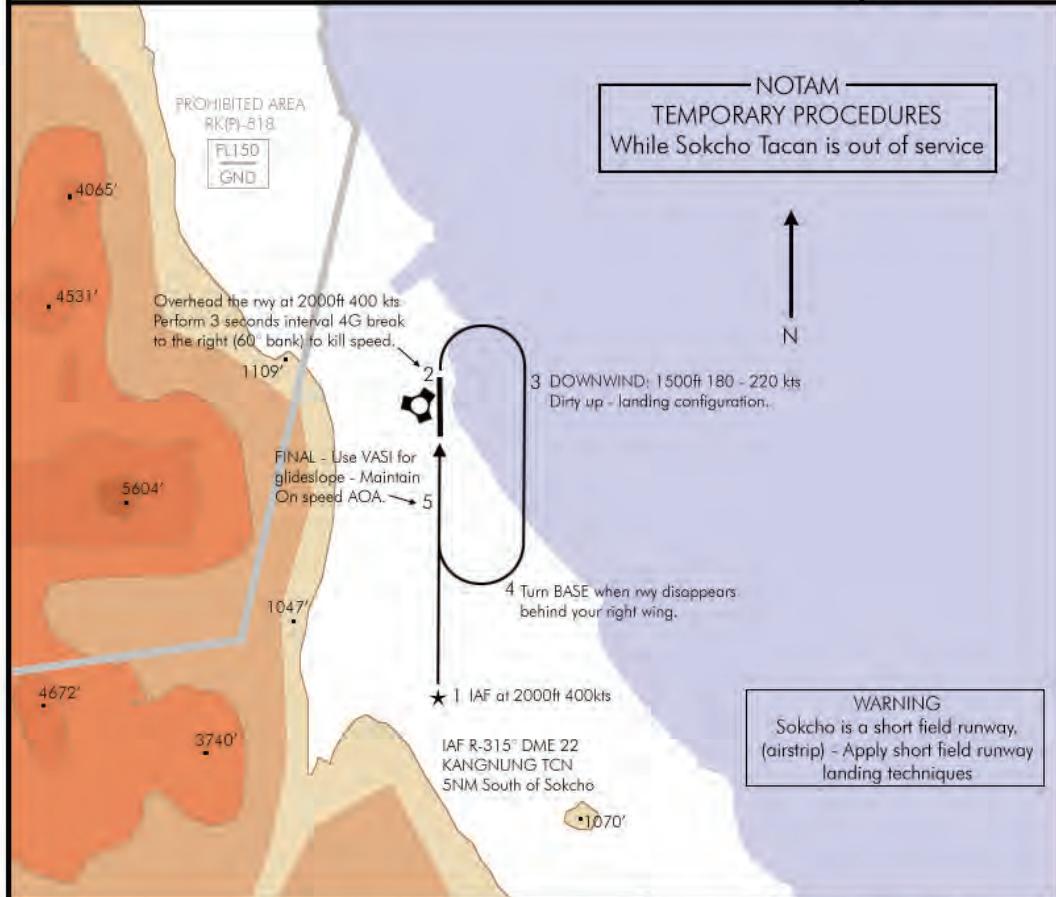
VISUAL RWY 36

10 March 05

SOKCHO (RKND)
SOUTH KOREA

TACAN:	TWR:	ILS:	PATTERN:	GPS:	ELEV:
U.S.	236.6/122.2	U.S.	RIGHT TURN	N38°06.84' E130°09.07'	006'

MISSED APPROACH: Climb straight ahead and re-enter the pattern maintaining correct separation.



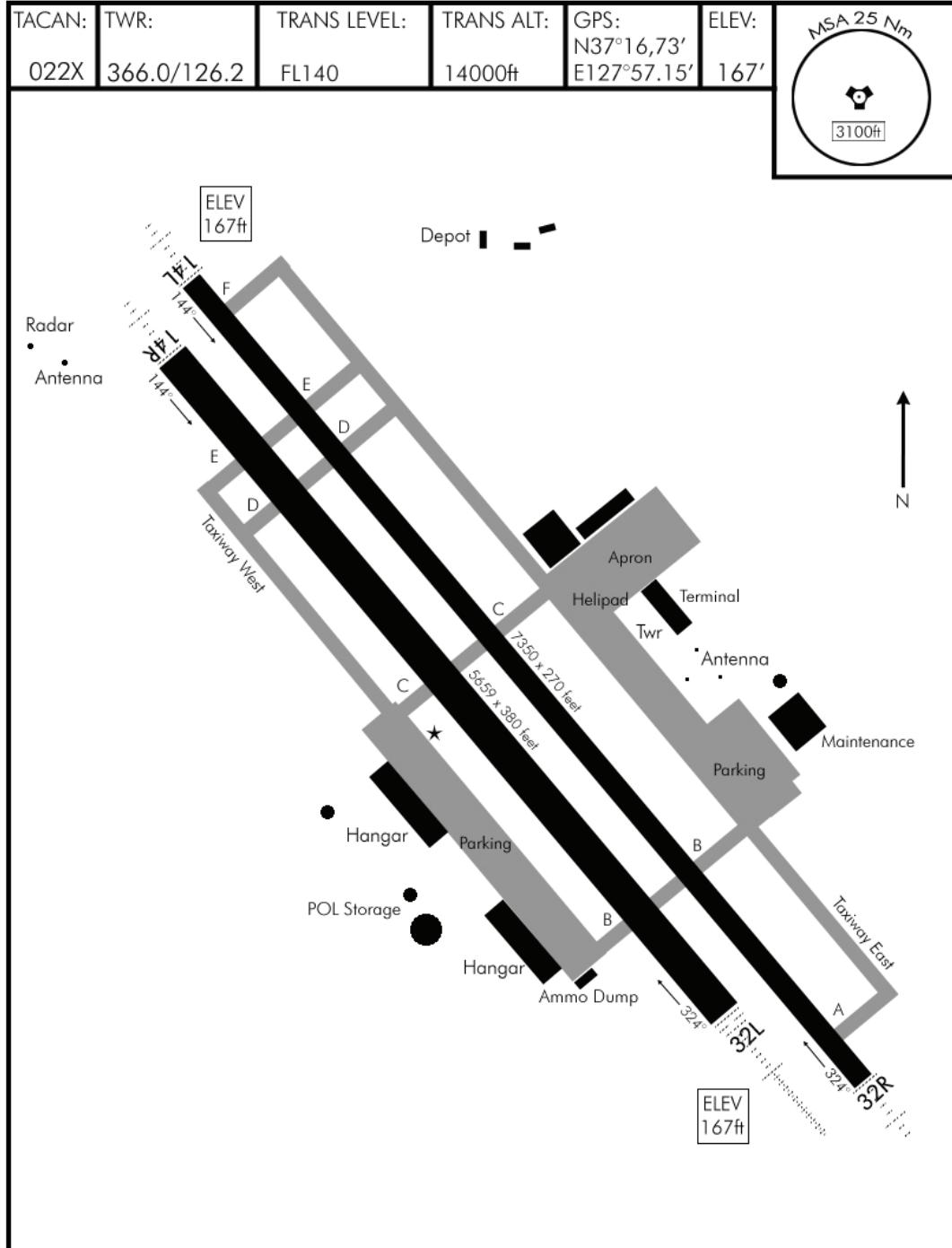
VISUAL RWY 36

NOT FOR REAL NAVIGATION - FALCON 4 ONLY

KOREAN NAVIGATION VOLUME

AIRPORT DIAGRAM

Date: 24 Dec 2009

SUWON AIRBASE (RKSU)
SOUTH KOREA

AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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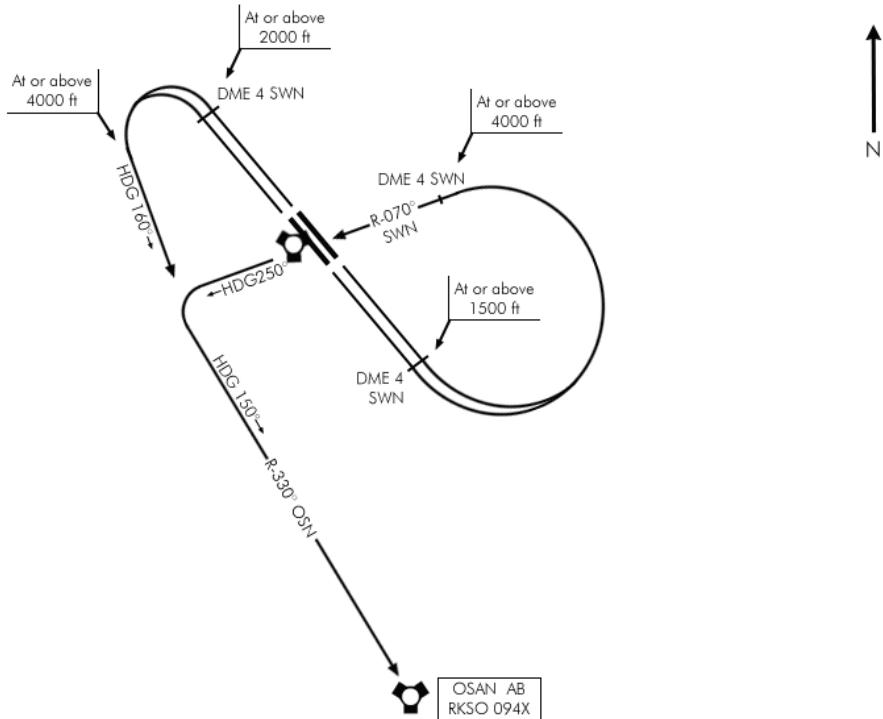
SUWON AIRBASE (RKSU)
SOUTH KOREA

SUWON 6 DEPARTURE

Date: 24 Dec 2010

SUWON AIRBASE (RKSW)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
022X	366.0/126.2	FL140	14000ft	N37°16,73' E127°57.15'	167'



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 32 L&R: Climb on Rwy heading until reaching DME 4 at or above 2000ft.

Then climbing LEFT turn heading 160° till crossing R-250° Suwon tacan. Then track inbound R-330° Osan tacan and climb to assigned altitude. Thence ...

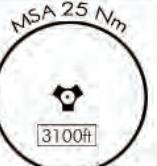
TAKE-OFF RWY 14 L&R: Climb on Rwy heading until reaching DME 4 at or above 1500ft. Then climbing LEFT turn to intercept and track inbound R-070° SUWON tacan . Cross Suwon R-070° DME4 at or above 4000ft. Track heading 250° to intercept R-330° Osan tacan inbound to the station. Climb to assigned altitude or as directed by ATC. Thence ..

KOREAN NAVIGATION VOLUME

TACAN RWY 14L&R

Date: 24 Dec 2009

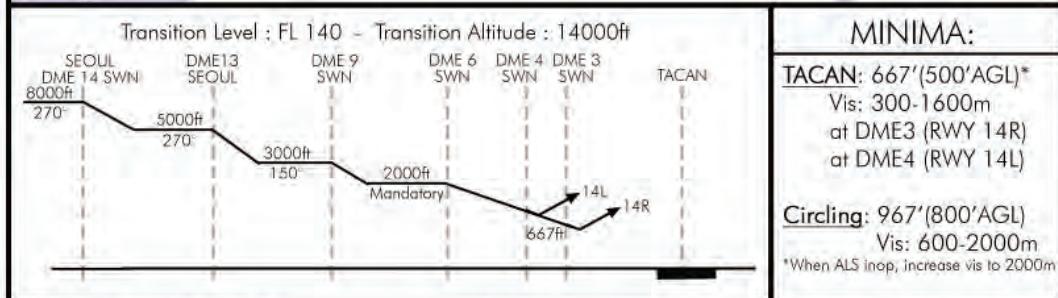
SUWON AIRBASE (RKSW)
SOUTH KOREA

TACAN:	TWR:	TCN RAD:	TACAN DA(H)	GPS: N37°16,73' E127°57.15'	ELEV: 167'	
022X	366.0/126.2	330° Hdg150°	667' (500' AGL)			

MISSED APPROACH: (14L and 14R) Climb on runway heading to DME 2, then climbing LEFT turn to 8000ft Direct to Seoul tacan. Hold as published at Seoul unless otherwise instructed by .

Start LEFT turn to intercept R-330°
at DME 12 R-270° Seoul Tcn.

SEoul AB
RKSM 046X
SEoul (IAF)
R-030° SWN DME14
N37°26.97' E128°07.13'



TACAN RWY 14L&R

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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SUWON AIRBASE (RKSW)
SOUTH KOREA

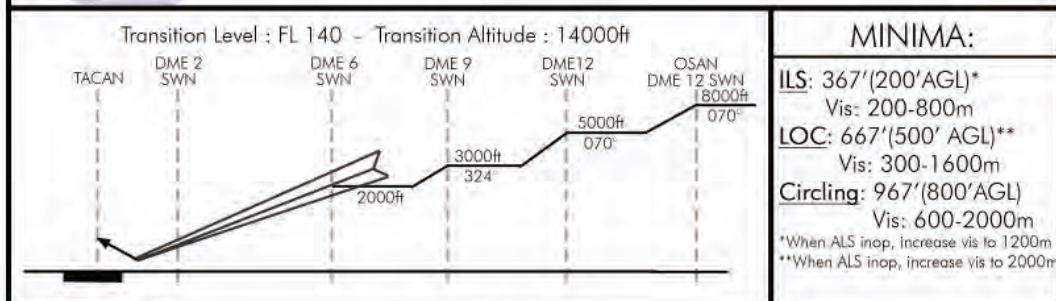
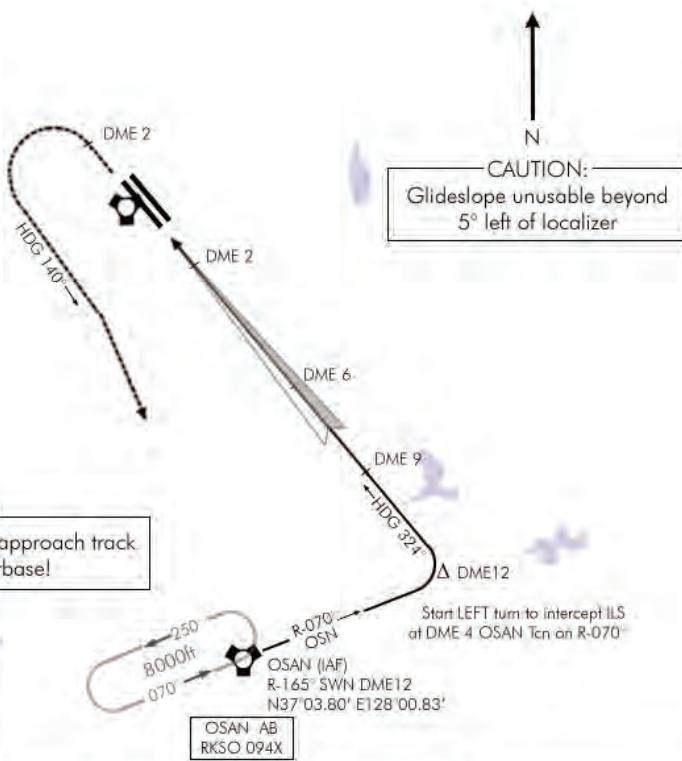
KOREAN NAVIGATION VOLUME

ILS RWY 32L

Date: 24 Dec 2009

SUWON AIRBASE (RKSU)
SOUTH KOREA

TACAN:	TWR:	ILS:	LOC:	ILS DA(H):	GPS: N37°16,73' E127°57.15'	ELEV: 167'	
022X	366.0/126.2	108.5	324°	367' (200' AGL)			
MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 8000ft heading 140° till abeam Suwon airbase. Then proceed direct to OSAN tacan. Hold as published at OSAN.						ALSF-1 PAPI	



ILS RWY 32L

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

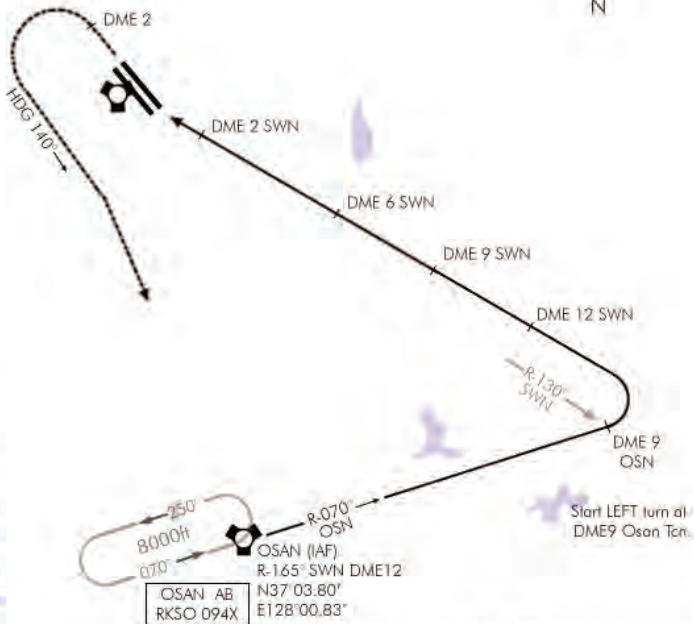
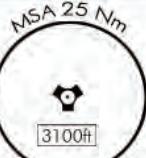
KOREAN NAVIGATION VOLUME

TACAN RWY 32R

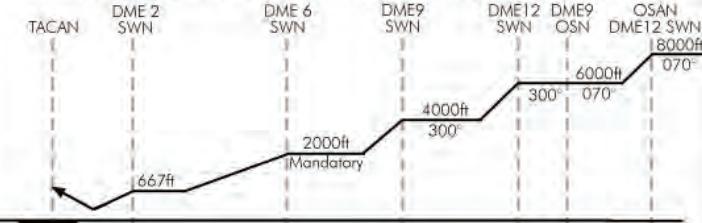
Date: 24 Dec 2009

SUWON AIRBASE (RKSW)
SOUTH KOREA

TACAN:	TWR:	TCN RAD:	TACAN DA(H)	GPS:	ELEV:	
022X	366.0/126.2	300°	667' (500' AGL)	N37°16.73' E127°57.15'	167'	
MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 8000ft heading 140° till abeam Suwon airbase. Then proceed direct to OSAN tacan. Hold as published at OSAN.						MALSF PAPI 3100ft



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

TACAN: 667'(500'AGL)*
Vis: 300-1600m
at DME3

Circling: 967'(800'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 2000m

TACAN RWY 32R

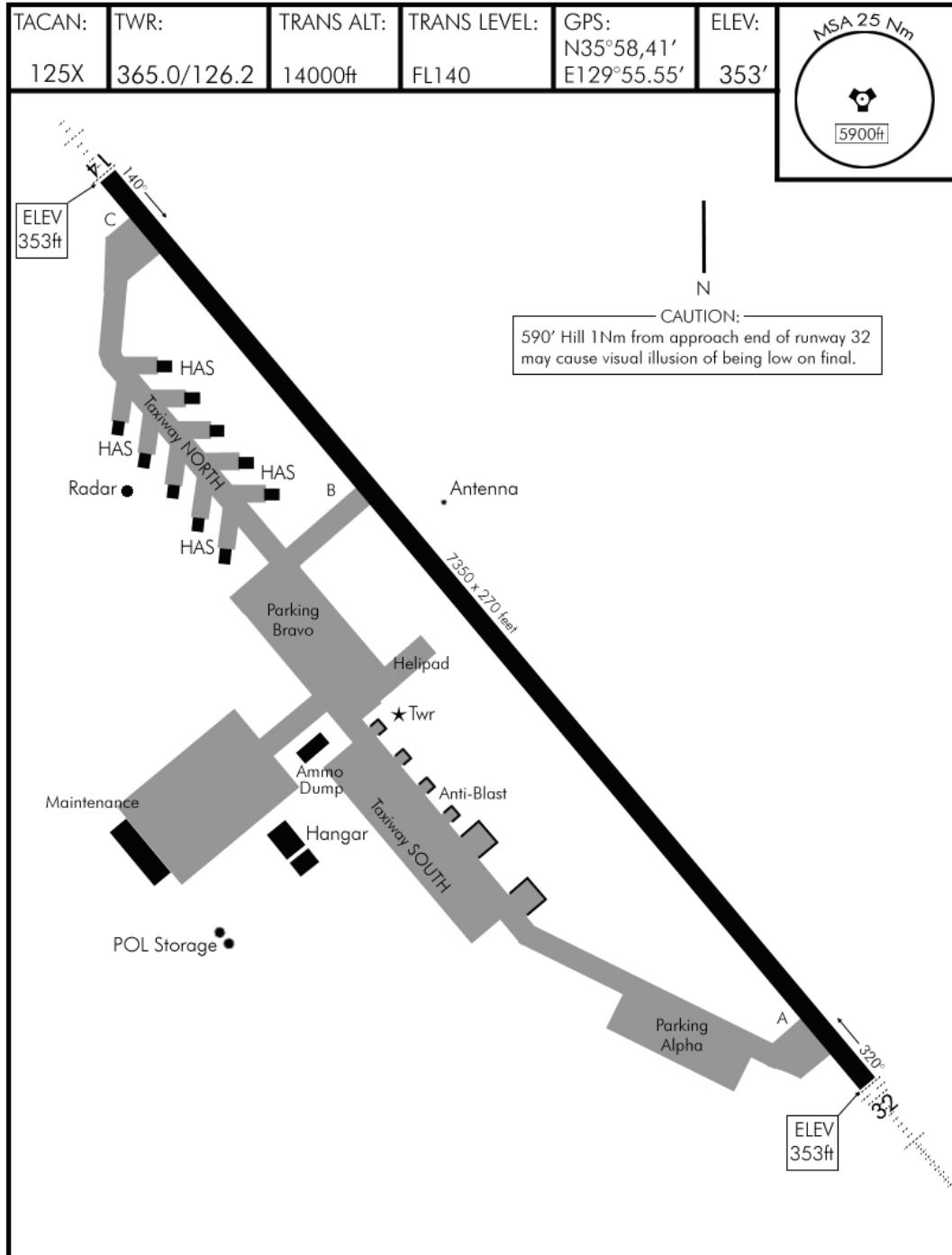
NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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SUWON AIRBASE (RKSW)
SOUTH KOREA

AIRPORT DIAGRAM

Date: 28 Nov 2009

TAEGU (RKTN)
SOUTH KOREA

AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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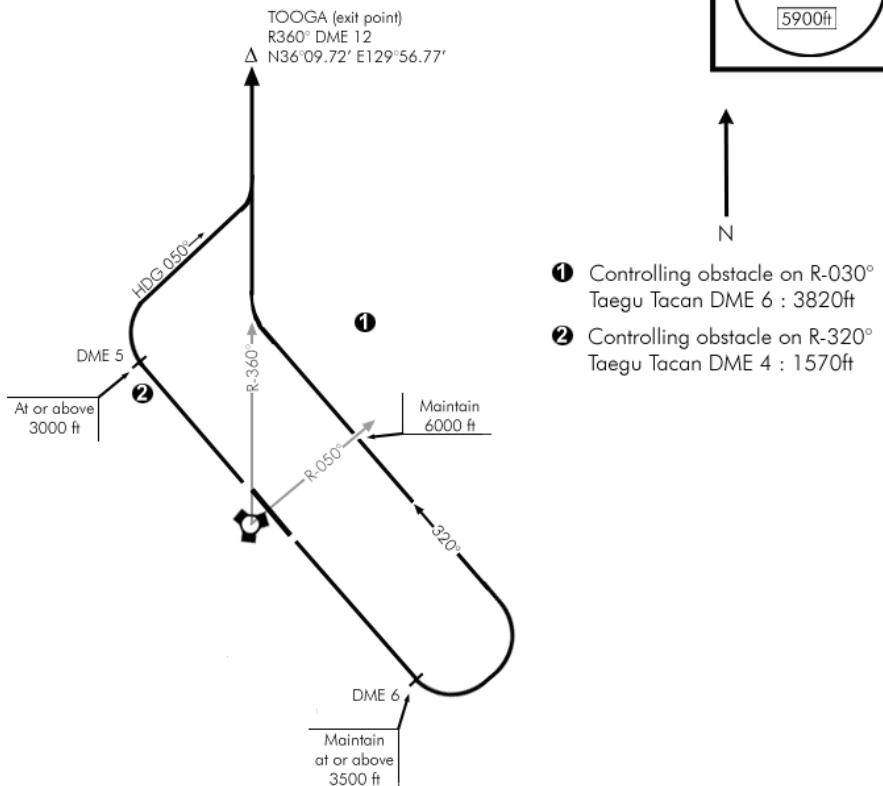
TAEGU (RKTN)
SOUTH KOREA

TAEGU 6 DEPARTURE

Date: 28 Nov 2009

TAEGU (RKTN)
SOUTH KOREA

TACAN:	TWR:	TRANS ALT:	TRANS LEVEL:	GPS:	ELEV:
125X	365.0/126.2	14000ft	FL140	N35°58.41' E129°55.55'	353'



DEPARTURE ROUTE DESCRIPTION

- TAKE-OFF RWY 14: Climb on track 140° until reaching 6 DME at or above 3500 ft
Then turn LEFT heading 320° climbing to 6000 ft. Cross R-050°
TAEGU tacan at 6000 ft. Maintain 6000 ft until intercepting R-360°
outbound TAEGU tacan then climb to assigned altitude; Thence,...
- TAKE-OFF RWY 32: Climb on track 320° until reaching 5 DME at or above 3000 ft. Then
RIGHT climbing turn heading 050° to intercept R-360° outbound
TAEGU tacan to TOOGA. Thence...

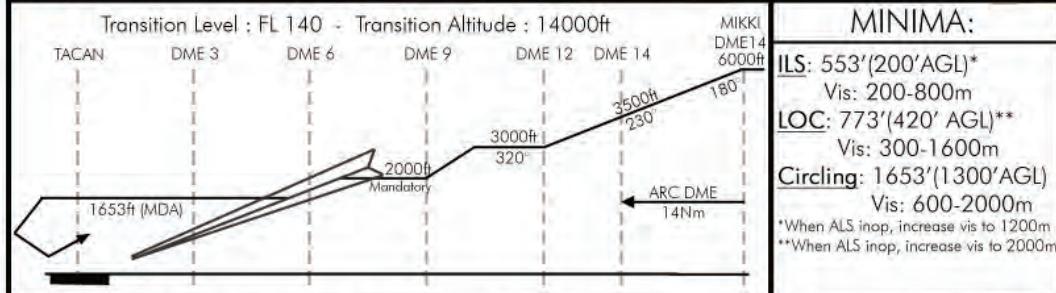
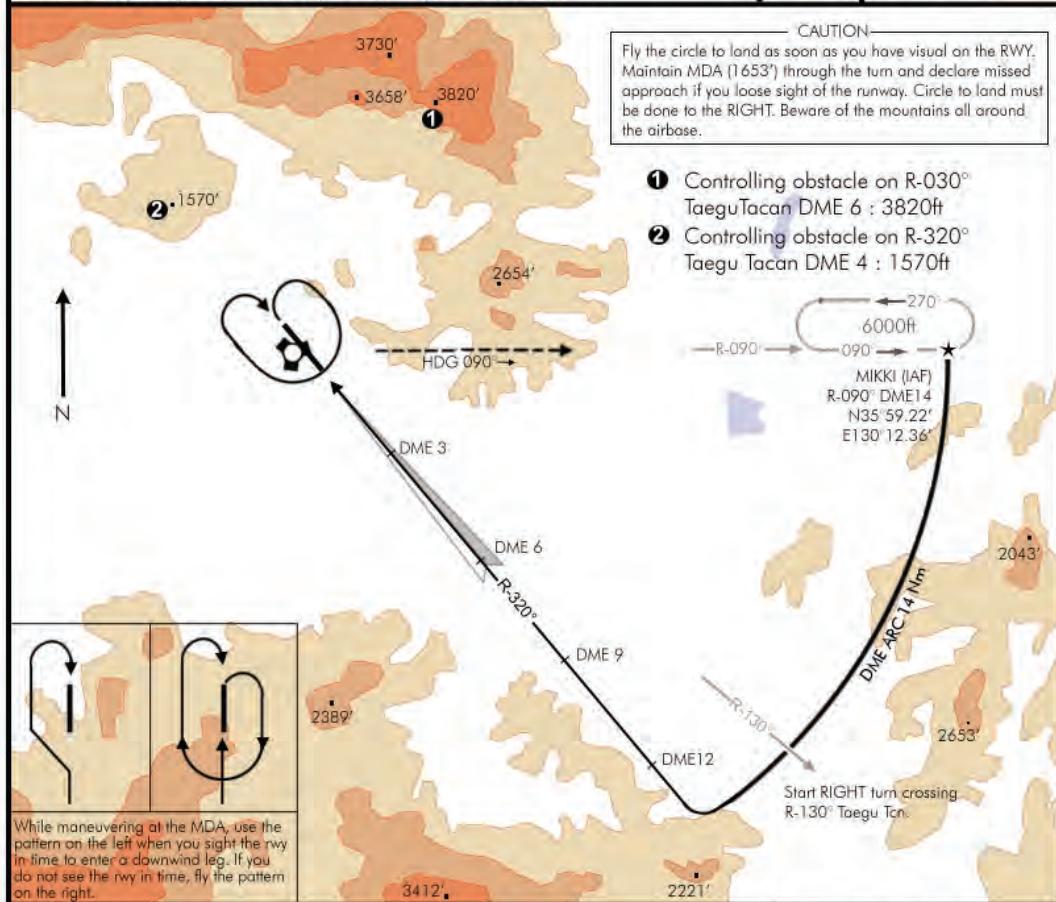
CIRCLE TO LAND RWY 14

Date: 28 Nov 2009

TAEGU (RKTN)
SOUTH KOREA

TACAN:	TWR:	ILS:	MDA (H):	FINAL:	GPS:	ELEV:
125X	365.0/126.2	108.7	1653' (1300' AGL)	140°	N35°58.41' E129°55.55'	353'

MISSED APPROACH: Climbing turn to 6000 ft to intercept R-090° outbound Taegu tacan. Hold as published at MIKKI DME 14. It is mandatory to go missed approach if you loose visual.

MALSF
— PAPI

CIRCLE TO LAND RWY 14

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

KOREAN NAVIGATION VOLUME

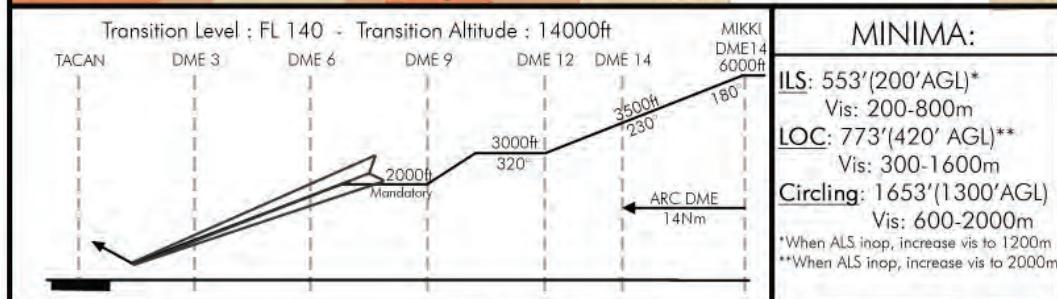
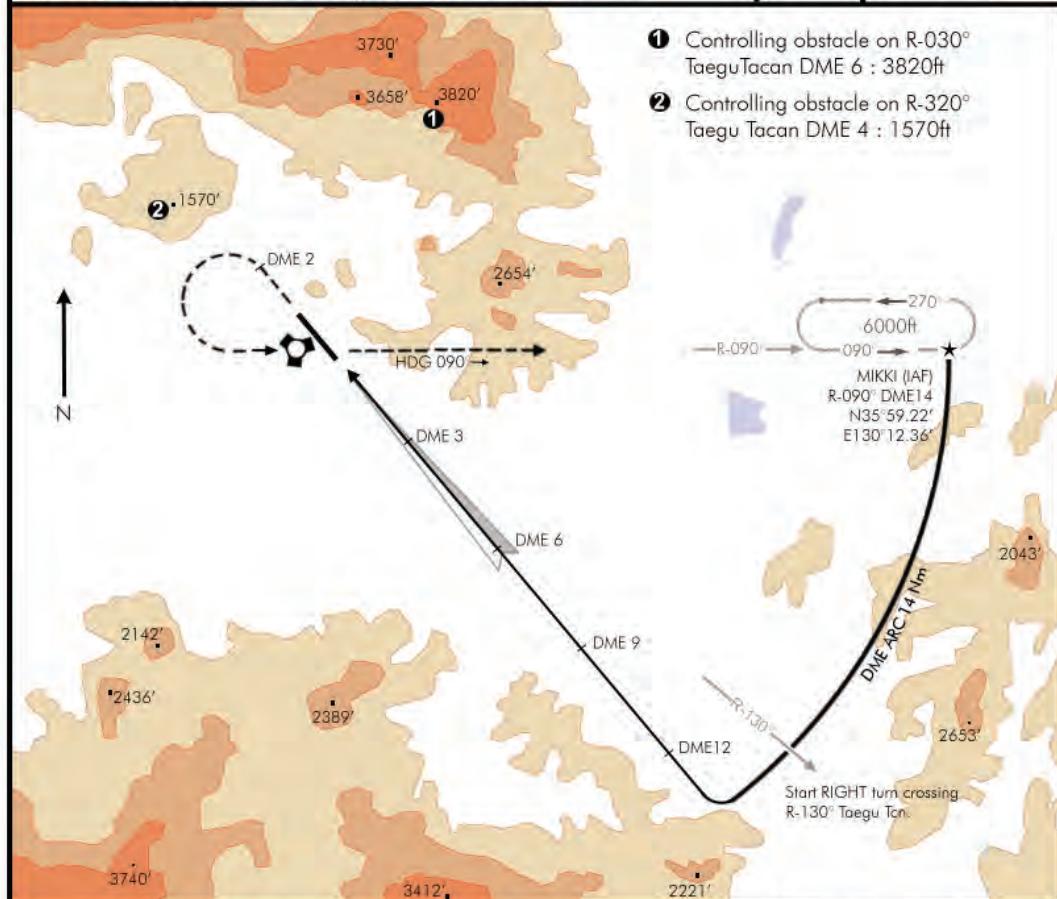
Date: 28 Nov 2009

ILS RWY 32

TAEGU (RKTN)
SOUTH KOREA

TACAN:	TWR:	ILS:	ILS DH:	LOC:	GPS: N35°58.41' E129°55.55'	ELEV: 353'	ALSF-1 PAPI	MSA 25 Nm 5900ft
125X	365.0/126.2	108.7	553' (200' AGL)	320°				

MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 6000ft heading 090° to intercept R-090° Outbound Taegu tacan. Hold as published at MIKKI DME 14.



ILS RWY 32

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

TAEGU (RKTN)
SOUTH KOREA

MINIMA:

ILS: 553'(200'AGL)*
Vis: 200-800m

LOC: 773'(420' AGL)**
Vis: 300-1600m

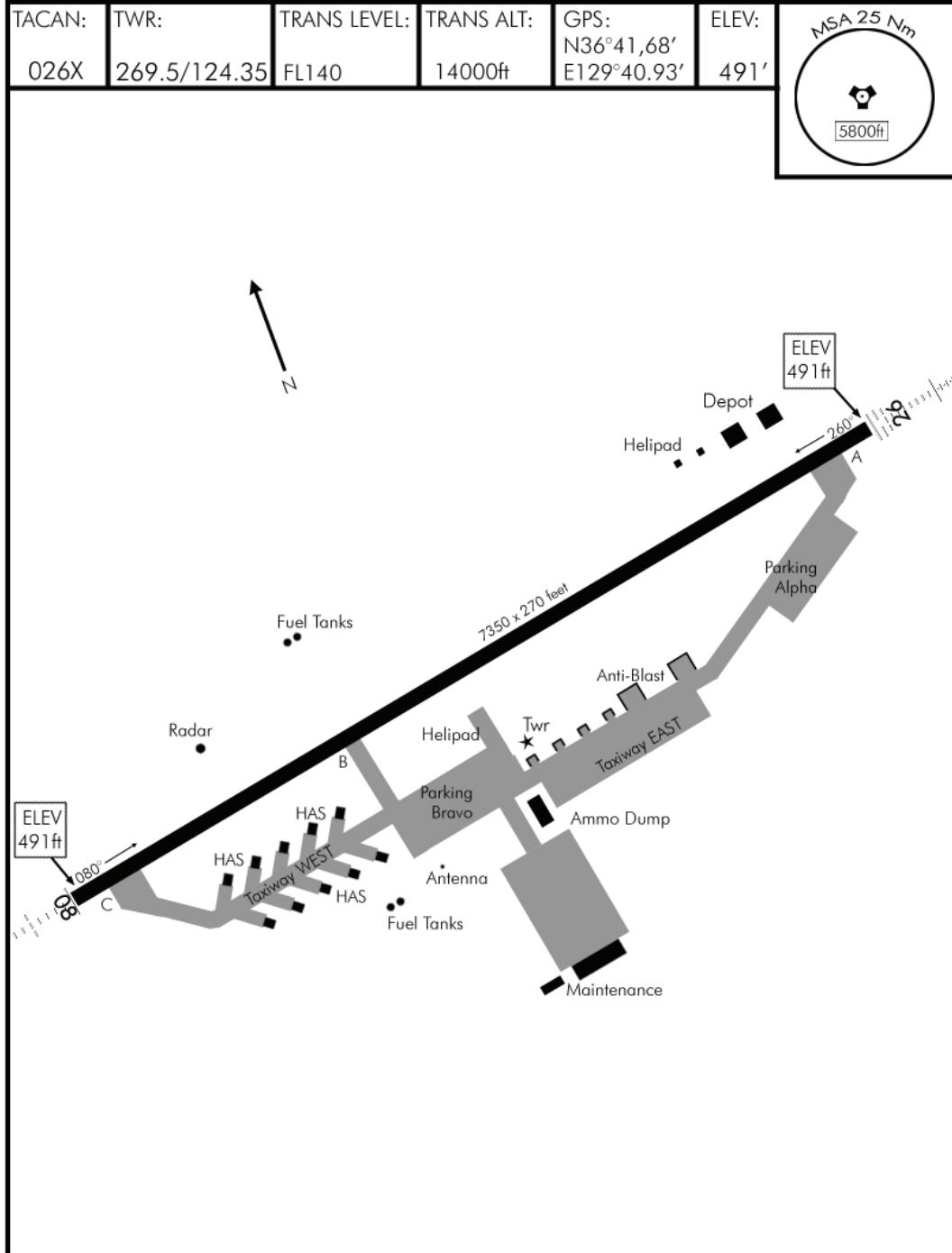
Circling: 1653'(1300'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 1200m

**When ALS inop, increase vis to 2000m

AIRPORT DIAGRAM

Date: 20 Nov 2009

YECHON AERO (RKTY)
SOUTH KOREA

SOLTY 5A DEPARTURE

Date: 20 Nov 2009

YECHON AERO (RKTY)
SOUTH KOREA

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
026X	269.5/124.35	FL140	14000ft	N36°41,68' E129°40.93'	491'

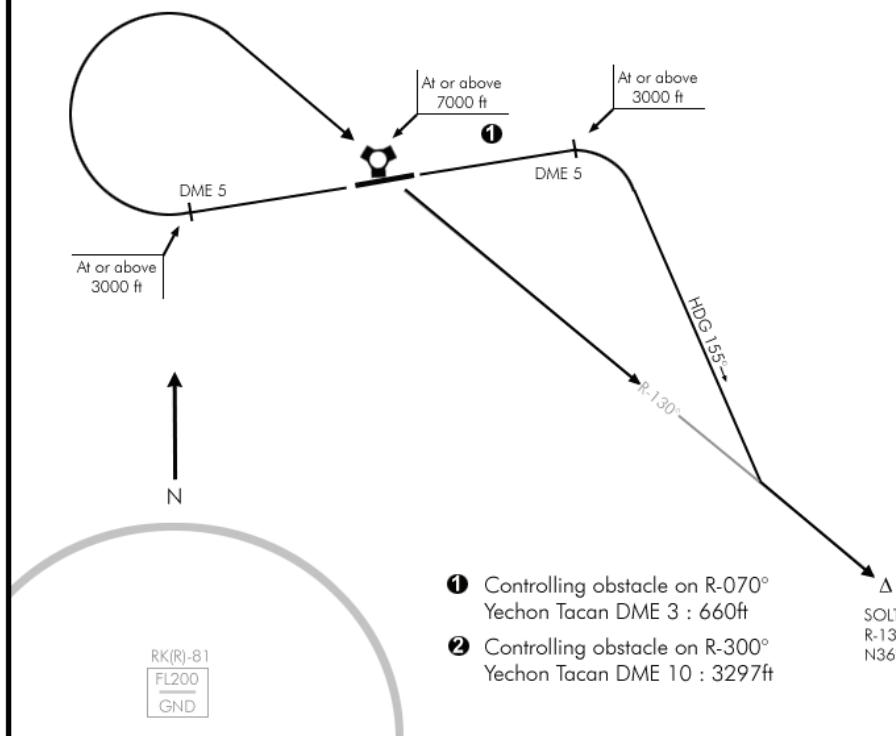


DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 08: Climb on Rwy heading. Cross DME5 at or above 3000ft. Then RIGHT climbing turn to 155° heading to intercept and track outbound via R-130° Yechon tacan to SOLTY. Thence...

TAKE-OFF RWY 26: Climb on Rwy heading. Cross DME5 at or above 3500ft. Then RIGHT climbing turn to proceed direct to Yechon tacan. Cross station at or above 7000ft. Then track R-130° outbound until reaching SOLTY. Thence...

②

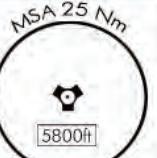


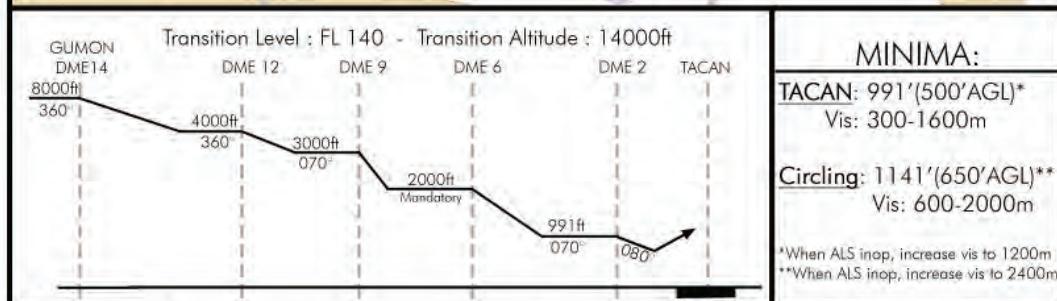
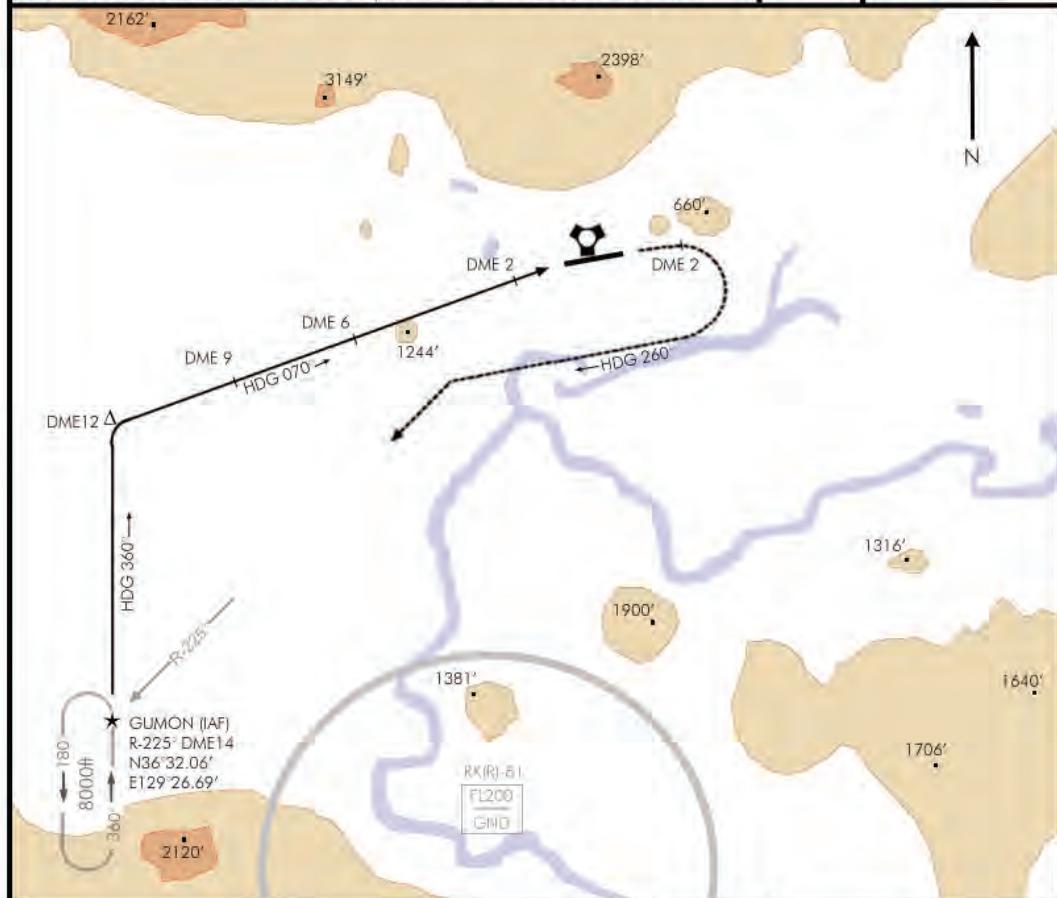
KOREAN NAVIGATION VOLUME

TCN RWY 08

Date: 20 Nov 2009

YECHON AERO (RKTY)
SOUTH KOREA

TACAN:	TWR:	TCN RAD:	TACAN DA(H)	GPS:	ELEV:
026X	269.5/124.35	070°	991' (500' AGL)	N36°41.68' E129°40.93'	491'
MISSED APPROACH: Climb on runway heading to DME 2, then climbing RIGHT turn to 10000ft heading 100° to intercept R-130° Outbound Yechon tacan. Hold as published at GUMON DME 14.					
					



TCN RWY 08

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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YECHON AERO (RKTY)
SOUTH KOREA

KOREAN NAVIGATION VOLUME

Date: 20 Nov 2009

YECHON AERO (RKY)
SOUTH KOREA

ILS RWY 26

TACAN:	TWR:
026X	269 5/124 35

LS: ILS DA(H):
109.3 691' (200' AG)

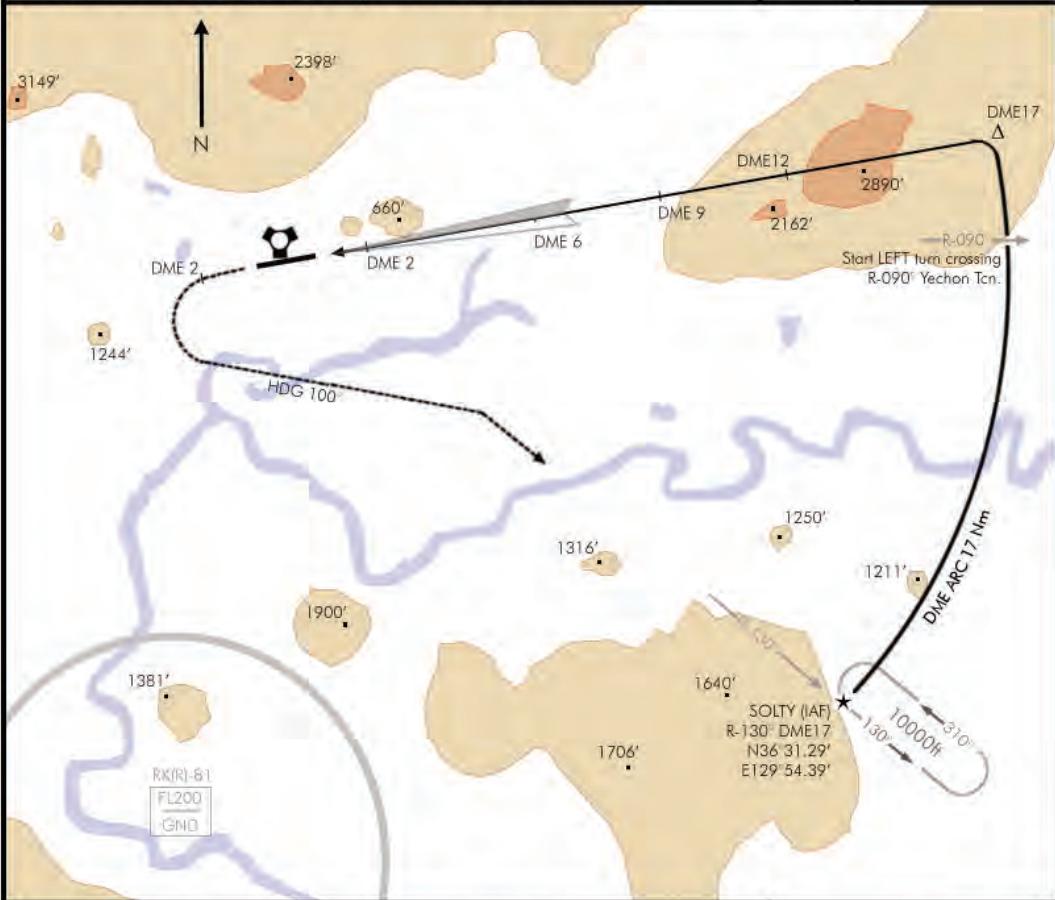
LOC: GPS:
N36°41,68
E129°40,93

ELEV:
491

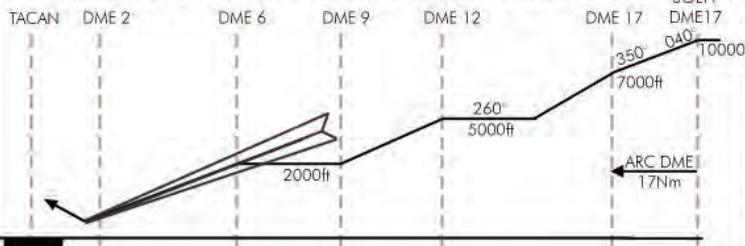


MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 10000ft heading 100° to intercept R-130° outbound Yechon tacan. Hold as published at SOLTY DME 17.

ALSF-1
PAR



Transition Level : FL 140 - Transition Altitude : 14000ft



MINIMA:

ILS: 691'(200'AGL)*

Vis: 200-800m

LOC: 911'(420' AGL)**

Vis: 300-1600m

Circling: 1141'(650'AGL)

Vis: 600-2000m

*When ALS inop, increase vis to 1200m

then ALS inop, increase vis to 2000m

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YECHON AFRO (RKY)

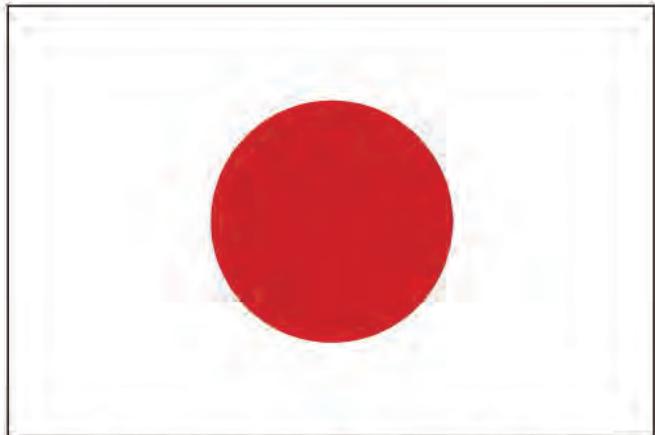
ILS RWY 26

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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YECHON AERO (RKTY)
SOUTH KOREA

KOREAN NAVIGATION VOLUME
AIRPORT CHARTS
JAPAN



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30 April 2010
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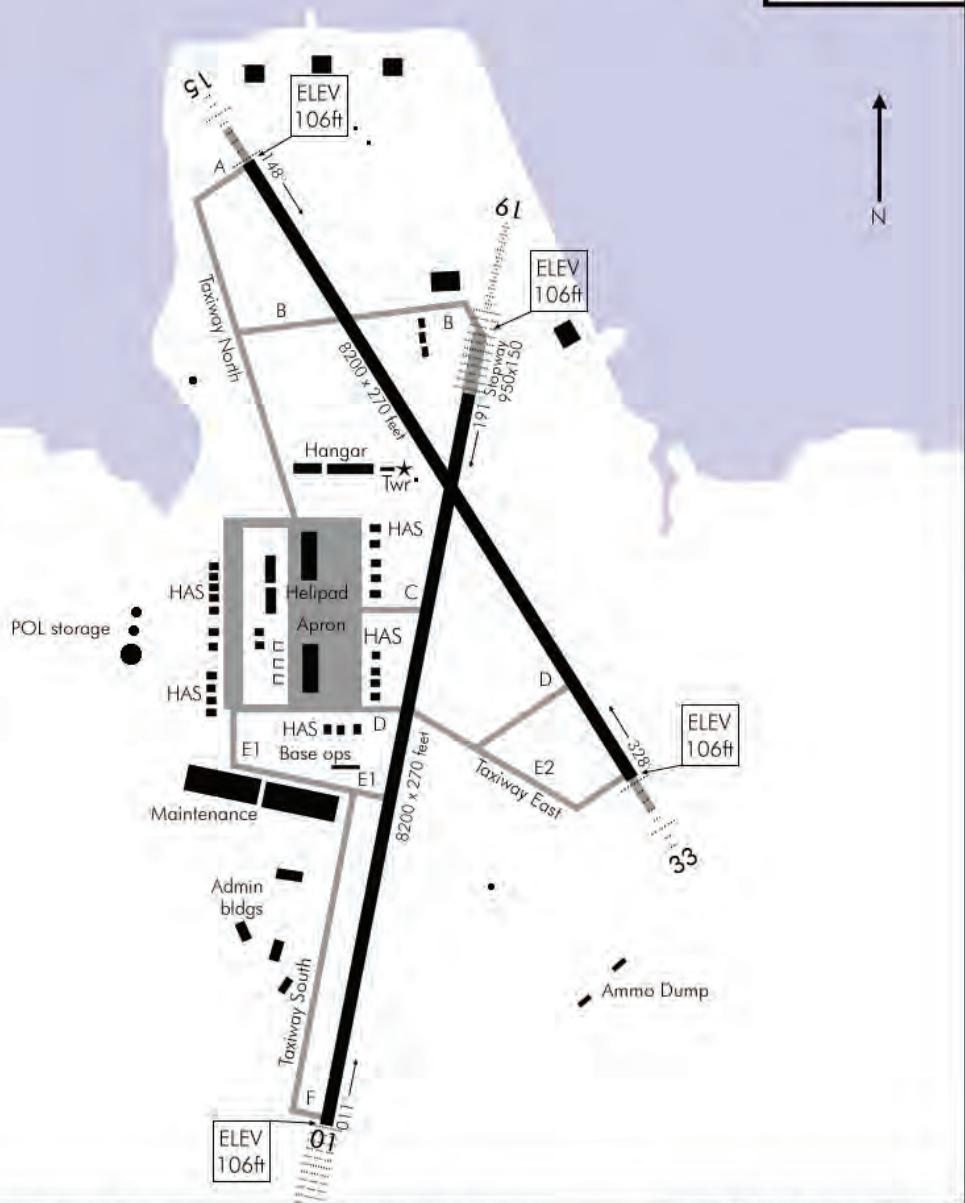
AIRPORT DIAGRAM

KOREAN NAVIGATION VOLUME

Date: 29 Dec 2009

FUKUOKA (KADENA)(RJFF)
JAPAN

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS: N34°38,88' E132°55.32'	ELEV:	
057X	225.5/126.2	FL140	14000ft		106'	



AIRPORT DIAGRAM

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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FUKUOKA (KADENA)(RJFF)
JAPAN

DEPARTURE

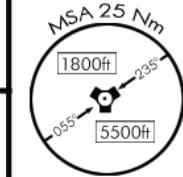
Date: 29 Dec 2009

FUKUOKA (KADENA)(RJFF)
JAPAN

TACAN:	TWR:	TRANS LEVEL:	TRANS ALT:	GPS:	ELEV:
057X	225.5/126.2	FL140	14000ft	N34°38.88' E132°55.32'	106'

TOYOTA NORTH DEPARTURE

TOYOTA (Exit Point) ★
 R-310° DME16
 N34°49.35' E132°41.85'



WARNING:
 Fly odd altitudes Westbound

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 01: Left climbing turn as soon as practicable to intercept R-310° outbound Fukuoka tacan. Track R-310° outbound to Toyota. Thence...

TAKE-OFF RWY 15: Climb on Rwy heading to DME 3 and intercept R-310° outbound Fukuoka tacan to Toyota. Thence...

TOYOTA (Exit Point) ★
 R-310° DME16
 N34°49.35' E132°41.85'

TOYOTA SOUTH REVERSAL

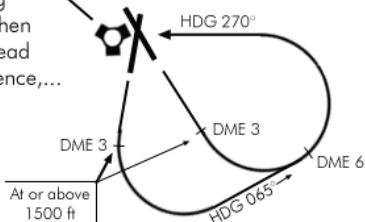
WARNING:
 Fly odd altitudes Westbound



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 19: Climb on Rwy heading to DME 3. Reach DME 3 at or above 1500ft. Then left climbing turn to heading 065° until reaching DME6. Then Left climbing turn direct to the station. Overhead Tacan, track R-310° outbound to Toyota. Thence,...

TAKE-OFF RWY 33: Climb on Rwy heading to DME 3. Reach DME 3 at or above 1500ft. Then left climbing turn direct to the station. Overhead tacan, track R-310° outbound to Toyota. Thence...



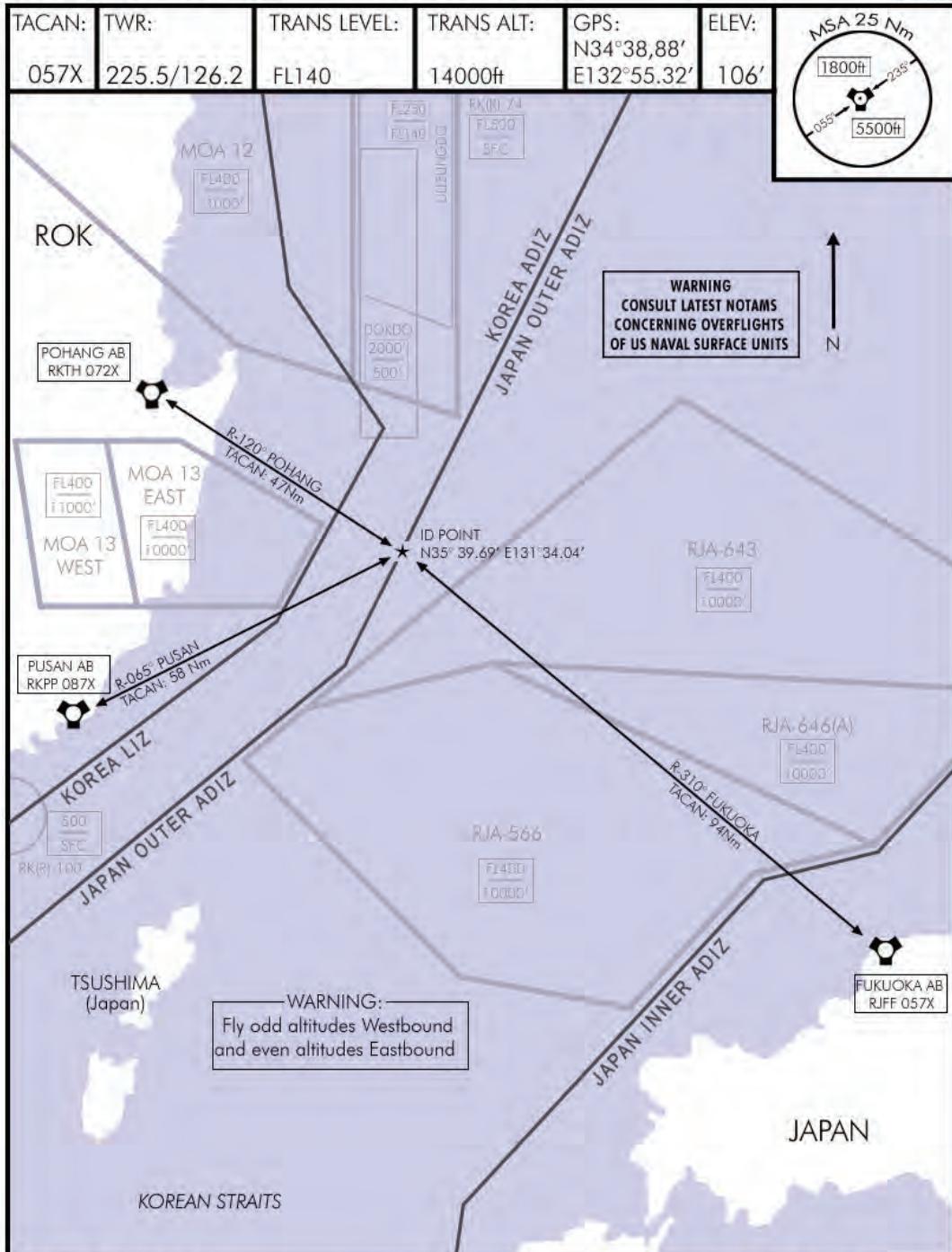
DEPARTURE

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

KOREAN NAVIGATION VOLUME

ADIZ CROSSING

Date: 29 Dec 2009

FUKUOKA (KADENA)(RJFF)
JAPAN

ADIZ CROSSING

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

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FUKUOKA (KADENA)(RJFF)
JAPAN

ILS RWY 01

Date: 29 Dec 2009

FUKUOKA (KADENA)(RJFF)
JAPAN

TACAN:	TWR:	ILS:	LOC:	ILS DH:	GPS:	ELEV:	
057X	225.5/126.2	109.7	011°	306' (200'AGL)	N34°38.88' E132°55.32'	106'	

MISSED APPROACH: Climb on runway heading to DME 2, then climbing LEFT turn to 5500ft direct Fukuoka tacan. Then proceed to published holding pattern unless otherwise instructed by ATC.



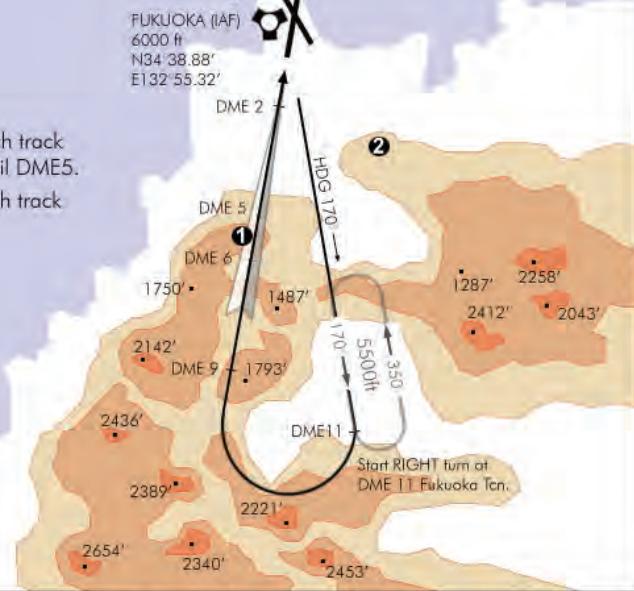
CAUTION:

Arrival on radial 310° Fukuoka tacan is mandatory to cross Japan ADIZ

ARRIVAL ROUTE FROM KOREA
R-310° FUKUOKA TCN



- ① Controlling obstacle RWY 01 approach track at DME 5: 1530ft Maintain 2000' until DME5.
- ② Controlling obstacle RWY 33 approach track at DME 4: 612 ft

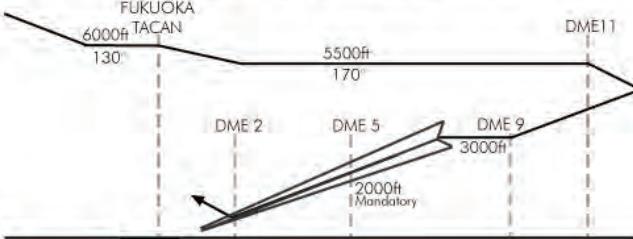


Transition Level : FL 140 - Transition Altitude : 14000ft

MINIMA:

<u>ILS</u> : 306'(200'AGL)*
Vis: 200-800m
<u>LOC</u> : 486'(380' AGL)**
Vis: 300-1600m
<u>Circling</u> : 806'(700'AGL)
Vis: 600-2000m

*When ALS inop, increase vis to 1200m
**When ALS inop, increase vis to 2000m



ILS RWY 01

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

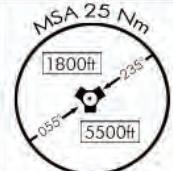
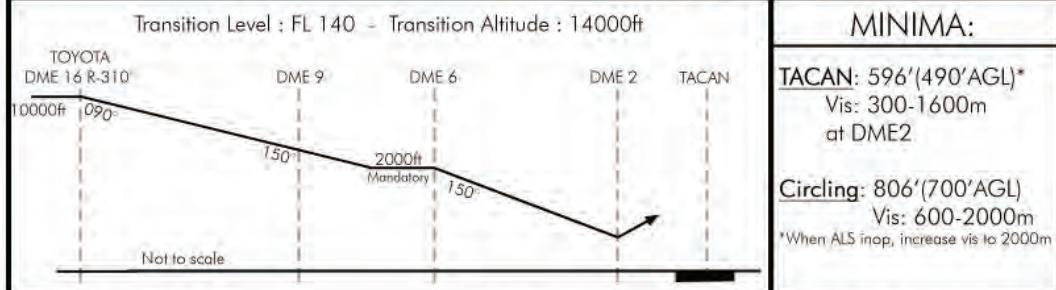
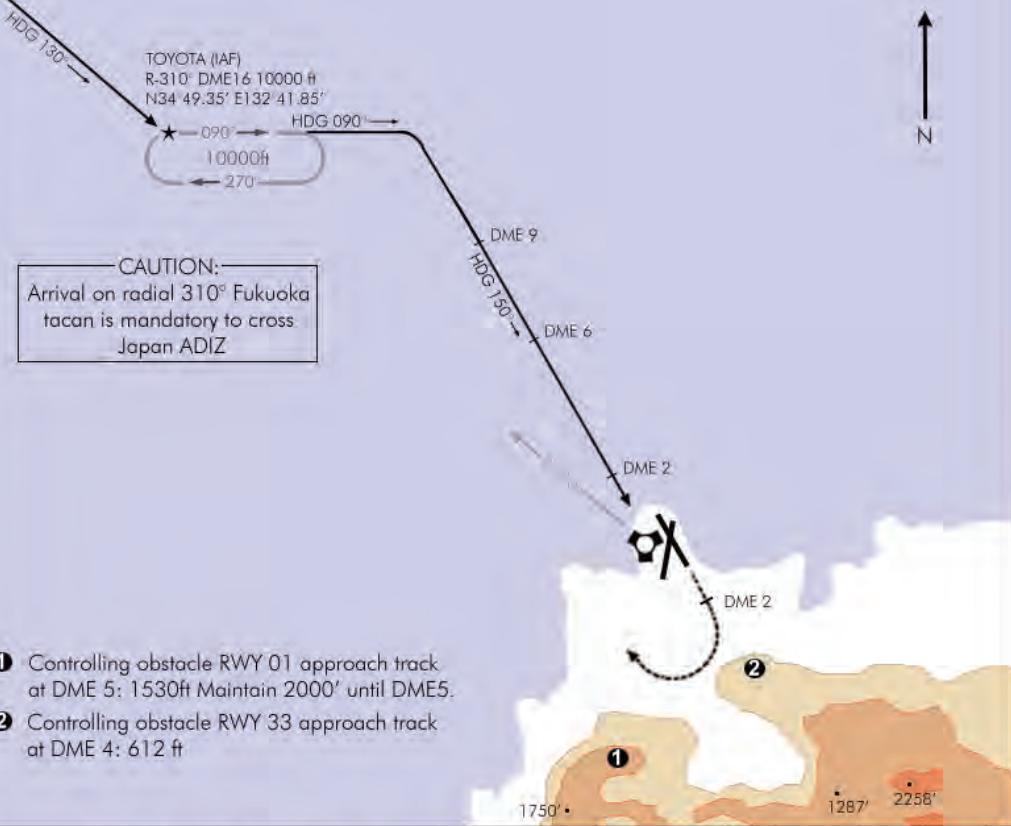
TACAN RWY 15

Date: 29 Dec 2009

FUKUOKA (KADENA)(RJFF)
JAPAN

TACAN:	TWR:	TACAN RAD:	TACAN DA(H)	GPS:	ELEV:
057X	225.5/126.2	330° hdg150°	596' (490' AGL)	N34°38.88' E132°55.32'	106'

MISSED APPROACH: Climb on runway heading to DME 2, then climbing RIGHT turn to 10000ft direct Toyota IAF. Hold as published.

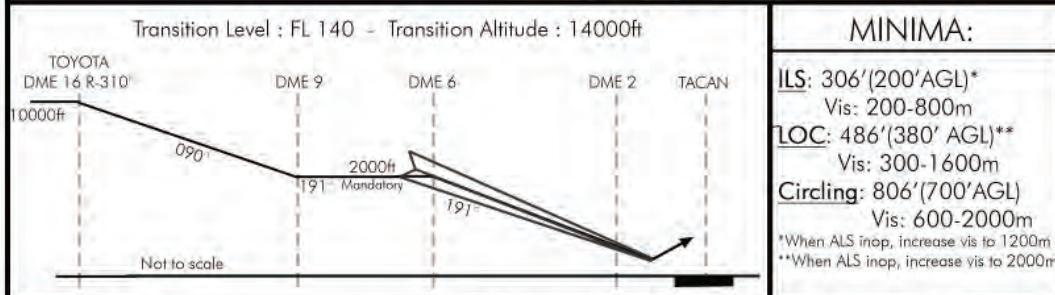
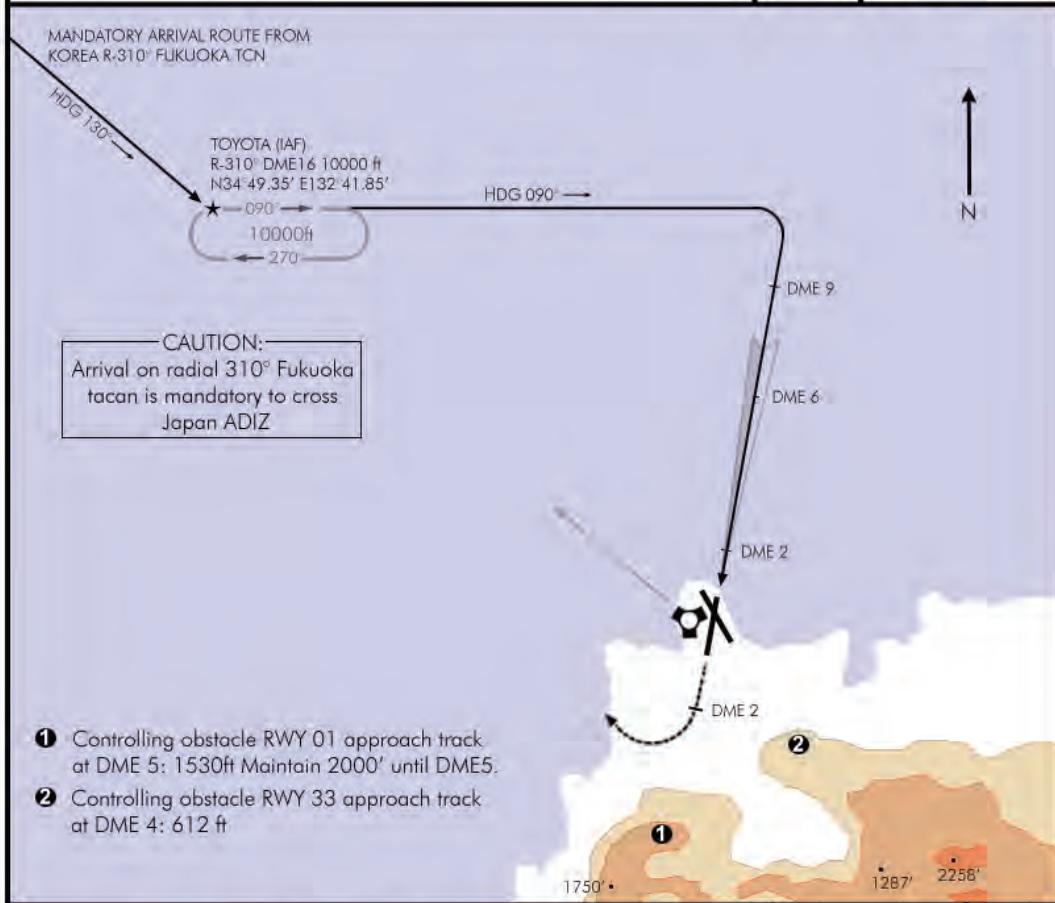
MANDATORY ARRIVAL ROUTE FROM
KOREA R-310° FUKUOKA TCN

TACAN RWY 15

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY

TACAN:	TWR:	ILS:	LOC:	ILS DA(H):	GPS:	ELEV:	
057X	225.5/126.2	108.7	191°	306' (200'AGL)	N34°38.88' E132°55.32'	106'	

MISSED APPROACH: Climb on runway heading to DME 2, then climbing RIGHT turn to 10000ft direct Toyota IAF. Hold as published.



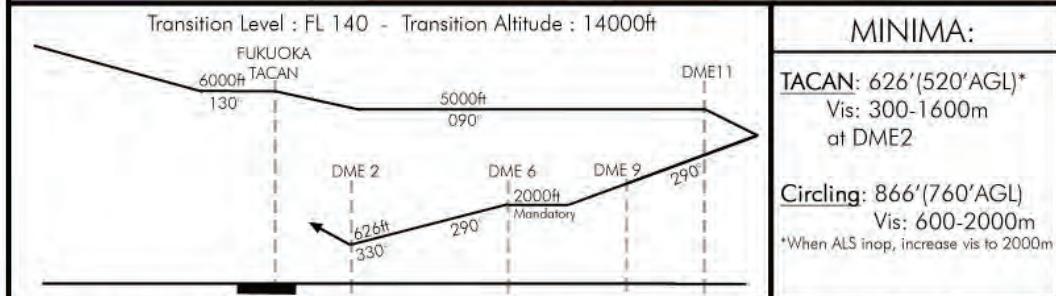
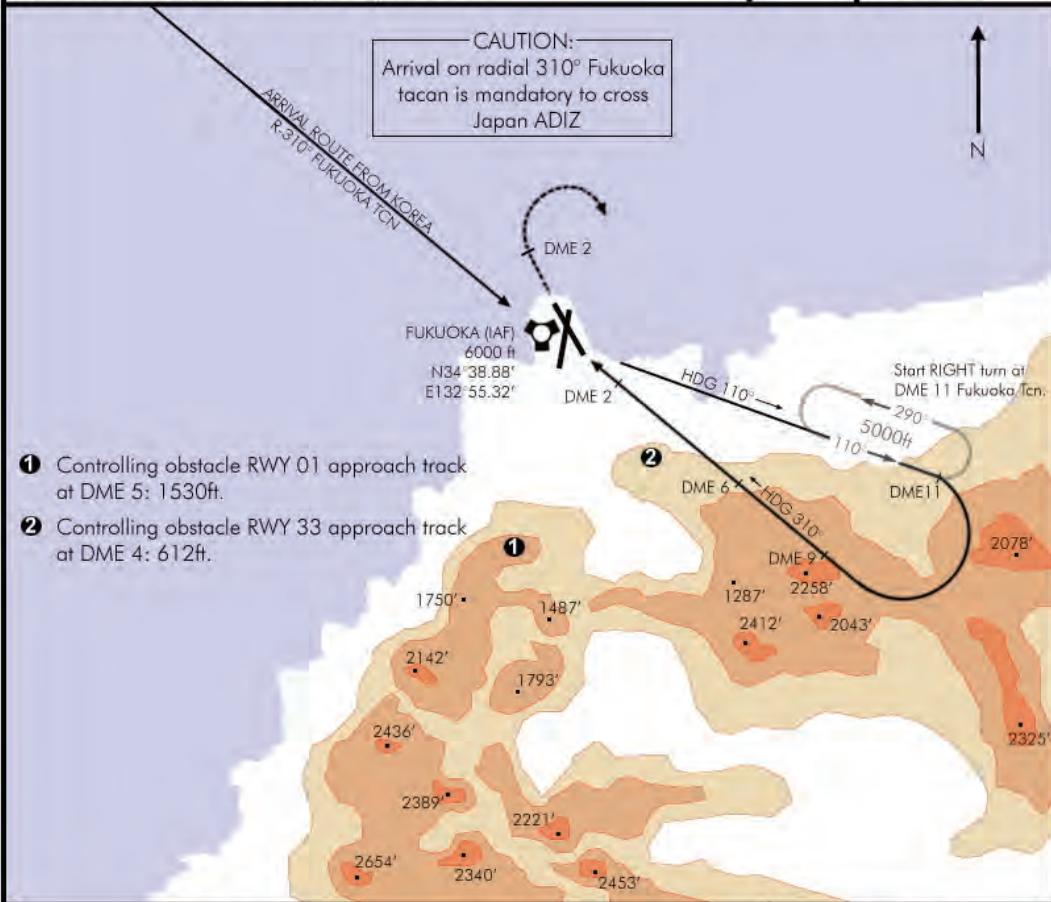
TACAN RWY 33

Date: 29 Dec 2009

FUKUOKA (KADENA)(RJFF)
JAPAN

TACAN:	TWR:	TACAN RAD:	TACAN DA(H)	GPS:	ELEV:	
057X	225.5/126.2	290°	626' (520' AGL)	N34°38.88' E132°55.32'	106'	

MISSED APPROACH: Climb on runway heading to DME 2, then climbing RIGHT turn to 5000ft heading 150° to intercept R-110° outbound Fukuoka tacan. Hold as published.



TACAN RWY 33

NOT FOR REAL NAVIGATION - FALCON 4 BMS ONLY