



Falcon 4.0 (OF)

Navigation : Korea Volume



**Not suited for Real Operations
For OPEN FALCON Use Only**

Note:

This Volume is not suited for F4-AF. Please refer to Document AF01 for the Allied Force Korea navigation volume.

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TACAN SELECTION – NORMAL MODE

1. ICP Select T-ILS page
2. DED Check scratchpad selected. If not use the DCS-up btn to select scratchpad entry.(between asterisks)
3. ICP Input TCN channel (numeric btns) then ENTER key
4. DED Check TCN domain (A/A TR or TR) Toggle domain with DCS-SEQ button.
5. DED Check band. X for ground Y for air. Change band by inputting 0 (zero) on the scratchpad.
6. HSI Select TCN mode and check in range (flags off)
7. HSI Select Radial (CRS knob) and navigate.
8. ICP DCS-Rtn button to return to main DED page.

TACAN SELECTION – BACKUP OPS

1. TACAN switch Select BACKUP
2. TACAN domain As required manually A/A TR or TR
3. TACAN band As required manually X (ground) or Y (air)
4. TACAN channel manually input TCN channel.
5. HSI Select TCN mode and check in range (flags off)
6. HSI Select Radial (CRS knob) and navigate
7. TACAN switch Back to UFC if required.

Backup mode is provided in case of avionic failure or battle damage. When all instruments are lost the backup mode may be the only mean to recover to friendly territory. All backup switches are on the left panel.

ILS SELECTION

1. ICP Select T-ILS page
2. DED Check scratchpad selected. If not use the DCS-up btn to select scratchpad entry (between asterisks)
3. ILS Input ILS frequency (5 digits) then ENTER key
4. CRS Check CRS selected. If not use DCS-down to select CRS entry. Input RWY CRS (3 digits)
5. CMD STRG As required (ON or OFF) visible in HUD only
6. HSI Select TCN/ILS or NAV/ILS mode and set RWY CRS
7. ADI Confirm Flags OFF (Loc & Glide)
8. HUD & HSI Confirm ILS loc & glide bars visible.

LOC interception is performed first. GLIDE interception then follows **from below**. Normally LOC and GLIDE interception is completed at Outer Marker and gear is lowered.

AIRBASES - SOUTH KOREA

Airport	Twr (UHF/VHF)	Tcn Ch	Tcn Rng	ILS (RWY)	Runway	Elev	GPS Coord
Chongju	250.2/118.7	042x	25	111.7 (23R)	05/23 L/R	152	N36°48.41' E128°36.74'
Choongwon	230.15/126.2	005x	50	111.3 (34R)	16/34 L/R	6	N36°59.80' E129°08.78'
Hoengsong	265.5/126.2	U.S.	—	U.S.	18/36	613	N37°27.87' E129°13.75'
Kangnung	334.9/126.2	056x	50	111.5 (26)	08/26	5	N37°47.31' E130°29.77'
Kimhae	233.3/118.1	117x	25	109.5 (34)	16/34	5	N35°13.29' E130°11.66'
Kimpo	240.9/118.05	083x	25	109.9 (14L) 110.1 (14R) 108.3 (32L) 110.7 (32R)	14/32 L/R	41	N37°35.63' E127°41.79'
Kunsan	292.3/126.5	075x	100	110.3(16R&34L)	16/34 L/R	31	N35°58.39' E127°25.38'
Kwangju	254.6/126.2	091x	100	111.1 (02&20)	02/20	58	N35°12.80' E127°39.97'
Osan	308.8/122.1	094x	100	111.3 (08&26)	08/26	26	N37°03.80' E128°00.83'
Pohang	236.6/118.05	072x	100	110.9 (08)	08/26	5	N36°02.88' E130°49.59'
Pusan	232.4/118.1	087x	50	109.5 (32)	14/32	58	N35°14.41' E130°28.96'
P'Yong'Taeg	257.8/122.5	019x	25	108.5 (34)	16/34	41	N36°57.87' E128°03.81'
Sachon	305.4/130.2	037x	25	111.5 (05L) 108.3(23R)	05/23 L/R	5	N35°07.95' E129°09.96'
Seoul	237.1/126.2	046x	25	110.9 (19)	19/01 18/36	137	N37°26.97' E128°07.13'
Seosan	353.1/136.755	052x	50	111.5 (02R)	02/20 L/R	26	N36°41.71' E127°19.74'
Sokcho	236.6/122.2	U.S.	—	U.S.	18/36	6	N38°06.84' E130°09.07'
Suwon	366.0/126.2	022x	25	108.5 (32L)	14/32 L/R	5	N37°16.73' E127°57.15'
Taegu	365.0/126.2	125x	25	108.7 (32)	14/32	61	N35°58.41' E129°55.55'
Yechon	269.5/124.35	026x	50	109.3	08/26	299	N36°41.68' E129°40.93'

AIRSTRIPS – SOUTH KOREA

Airstrip	Twr (UHF/VHF)	RWY	Elev	Loc HSI	GPS Coord
Chongwon	233.8/122.8	18/36	180	R180° 042X Dme11	N36°37.39' E128°35.36'
Chunchon	233.8/122.8	18/36	290	R040° 094X Dme66	N37°53.91' E128°56.79'
Kumi	236.6/122.6	09/27	100	R195° 026X Dme30	N36°12.61' E129°27.68'
Mandumi	253.4/118.9	02/20	239	R020° 083X Dme31	N38°04.45' E127°57.83'
R103	236.6/122.6	09/27	0	R200° 083X Dme07	N37°28.59' E127°38.72'
R107	233.8/122.8	18/36	90	R325° 094X Dme51	N37°46.37' E127°28.93'
R110	233.8/122.8	18/36	0	R245° 019X Dme21	N36°49.25' E127°39.68'
R113	236.6/122.6	09/27	100	R030° 083X Dme10	N37°43.13' E127°49.17'
R217	233.8/122.8	18/36	230	R010° 094X Dme56	N37°58.22' E128°18.86'
R218	233.8/122.8	18/36	110	R360° 094X Dme61	N38°03.61' E128°04.88'
R222	233.8/122.8	18/36	240	R045° 083X Dme25	N37°52.83' E128°06.19'
R419	233.8/122.8	18/36	1120	R360° 005X Dme43	N37°42.06' E129°12.87'
R505	233.8/122.8	18/36	30	R230° 042X Dme17	N36°37.39' E128°19.25'
R601	306.8/125.3	05/23 L/R	569	R195° 026X Dme30	N36°41.88' E129°26.52'
R605	233.8/122.8	18/36	0	R055° 005X Dme21	N37°10.80' E129°31.92'
Singal	233.8/122.8	18/36	150	R190° 046X Dme08	N37°19.42' E128°07.97'
Songwhan	233.8/122.8	18/36	80	R125° 019X Dme06	N36°54.64' E128°09.66'
Yongju	233.8/122.8	18/36	240	R050° 026X Dme15	N36°51.40' E129°55.17'

AIRBASE – JAPAN

Fukuoka (Kadena)	225.5/126.2	057x	100	109.7(01) 108.7(19)	02/20 16/34	24	N34°39.39' E132°55.13'
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AIRBASES – NORTH KOREA

Airport	Twr (UHF/VHF)	HSI LOC			RWY	Elev	GPS Coord
Haeju	280.4/118.3	R085° 058X Dme28			12/30	94	N38°02.06' E126°37.20'
Hwangju	337.6/122.4	R190° 059X Dme22			12/30	246	N38°42.89' E126°32.93'
Hwangsuwon	368.5/136.3	R190° 050X Dme73			12/30	3966	N40°43.59' E129°51.28'
Hyon-Ni	240.9/118.57	R188° 054X Dme33			02/20	2636	N38°41.18' E128°37.55'
Iwon	234.4/122.4	R170° 050X Dme94			08/26	371	N40°24.49' E130°26.15'
Kaech'on	350.0/137.5	R025° 051X Dme35			03/21	170	N39°48.04' E126°42.75'
Koksan	318.2/127.7	R245° 054X Dme60			05/23 L/R	983	N38°48.12' E127°33.43'
Kuum-ni	388.7/128.0	R125° 054X Dme32			05/23 L/R	194	N38°53.95' E129°16.69'
Kwail	349.4/125.9	R220° 051X Dme64			14/32	321	N38°27.19' E125°28.72'
Manp'o	242.4/130.02	R060° 055X Dme124			01/19	1302	N41°11.13' E127°27.07'
Mirim	225.3/128.68	059x	25	No ILS	08/26	99	N39°03.56' E126°38.94'
Onch'on	302.4/129.1	R235° 051X Dme34			02/20 L/R	15	N38°57.01' E125°45.47'
Ongjin	368.1/119.7	058x	25	No ILS	11/29	223	N37°58.92' E126°02.29'
Orang	349.9/118.07	R110° 050X Dme80			03/21	110	N41°28.27' E131°49.00'
Panghyon	120.6	R115° 055X Dme42			02/20 L/R	341	N39°59.37' E125°51.22'
Pukch'ang-up	264.9/128.2	R035° 051X Dme28			14/32	292	N38°39.29' E126°44.00'
Samjiyon	299.1/131.8	050x	75	No ILS	05/23 L/R	4475	N41°55.00' E130°13.07'
Sondok	343.8/136.6	R360° 054X Dme35			02/20	39	N39°48.12' E128°47.39'
Sunan	264.0/133.0	051x	100	RWY18:109.9 RWY34:110.3 RWY36:109.5	18/36 16/34	171	N39°15.09' E126°21.82'
Sunch'on	253.1/124.0	R055° 051X Dme19			16/34 L/R	223	N39°27.03' E126°42.25'

AIRBASES – NORTH KOREA (Continued)

Airport	Twr (UHF/VHF)	HSI LOC			RWY	Elev	GPS Coord
T'aech'on	275.5/119.02	R345° 051X Dme43			12/30	195	N39°57.84' E126°10.17'
Taetan	288.7/117.3	R320° 058X Dme12			08/26	228	N38°08.63' E125°50.96'
Toksan	324.8/124.6	R010° 054X Dme52			02/20 L/R	359	N40°04.22' E129°00.13'
Uiju	372.0/136.0	055x	75	No ILS	05/23 L/R	110	N40°14.77' E125°01.46'
Wonsan	244.4/123.8	054x	50	No ILS	01/19 15/33	6	N39°12.55' E128°45.76'

AIRSTRIPS – NORTH KOREA

Airstrip	Twr (UHF/VHF)	RWY	Elev	Loc HSI	GPS Coord
Ayang-Ni HS	233.7/127.7	09/27	240	R160° 051X Dme62	N38°18.16' E126°42.82'
Hoeyang SE HS	233.7/127.7	09/27	320	R227° 054X Dme55	N38°47.26' E128°54.29'
Ich'on Airstrip	233.7/127.7	09/27	550	R120° 051X Dme83	N38°36.48' E127°51.34'
Kaech'on SW	231.4/123.4	18/36	240	R015° 051X Dme37	N39°51.38' E126°37.25'
Kilchu HS	231.4/123.4	18/36	320	R135° 050X Dme79	N40°59.27' E131°18.62'
Kojo HS	233.7/127.7	09/27	180	R135° 054X Dme31	N38°52.11' E129°11.30'
Koksan HS	231.4/123.4	18/36	500	R115° 051X Dme65	N38°47.80' E127°35.51'
Kwaksan	233.7/127.7	09/27	100	R315° 051X Dme41	N39°43.84' E125°44.30'
Kyongsong Chuul	231.4/123.4	18/36	0	R105° 050X Dme77	N41°35.92' E131°48.53'
Nuch'on-Ni	233.7/127.7	09/27	160	R147° 051X Dme71	N38°16.54' E127°07.44'
Okpyong-Ni	233.7/127.7	09/27	0	R295° 054X Dme12	N39°19.59' E128°30.53'
Panghyon	233.7/127.7	09/27	210	R120° 055X Dme40	N39°56.23' E125°46.20'
Pongsan	233.7/127.7	09/27	50	R167° 051X Dme45	N38°32.17' E126°32.51'
Sangwon HS	233.7/127.7	09/27	150	R140° 059X Dme14	N38°53.18' E126°50.17'
Sonch'on SW	233.7/127.7	09/27	30	R150° 055X Dme32	N39°47.61' E125°19.20'
Sugam-Ni	233.7/127.7	09/27	0	R095° 050X Dme79	N41°46.15' E131°56.43'
Taebukpo-Ri	233.7/127.7	09/27	270	R130° 051X Dme88	N38°21.39' E127°46.20'
Tangch'on HS	233.7/127.7	09/27	0	R165° 050X Dme95	N40°25.33' E130°36.18'
Yonghung HS	233.7/127.7	09/27	0	R330° 054X Dme23	N39°33.06' E128°32.99'

AIRBASES – PEOPLE’s REPUBLIC of CHINA

Liuhe	390.8/150.12	R080° 088X Dme112			01/19	1506	N42°09.32' E126°05.36'
Shenyang	395.5/151.9	088x	100	No ILS	05/23 L/R	262	N41°55.75' E123°38.53'

AIRBASE – RUSSIA

Nachodka	398.8/149.9	No NAV DATA			14/32	752	N43°00.35' E134°00.31'
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RADIO FREQUENCY - COMMON

Guard	243.0	UHF
	121.5	VHF

RADIO FREQUENCY – MISSION SPECIFIC

CH	FREQ	7		14	
1		8		15	
2		9		16	
3		10		17	
4		11		18	
5		12		19	
6		13		20	