



Falcon 4.0 (BMS)

Navigation : Korea Volume

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

Note:

This Volume is not suited for real world navigation – Falcon 4 BMS only.

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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 inputing 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.

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USE FOR NOTES**

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 | 187 | N36°48.41' E128°36.74' |
| Choongwon | 230.15/126.2 | 005x | 50 | 111.3 (34R) | 16/34 L/R | 642 | N36°59.80' E129°08.78' |
| Hoengsong | 265.5/126.2 | U.S. | – | U.S. | 18/36 | 580 | N37°27.87' E129°13.75' |
| Kangnung | 334.9/126.2 | 056x | 50 | 111.5 (26) | 08/26 | 51 | N37°47.31' E130°29.77' |
| Kimhae | 233.3/118.1 | 117x | 25 | 109.5 (34) | 16/34 | 39 | 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 | 96 | N37°36.868' E127°42.801' |
| Kunsan | 292.3/126.5 | 075x | 100 | 110.3 (18&36) | 18/36 | 10 | N35°58.39' E127°25.38' |
| Kwangju | 254.6/126.2 | 091x | 100 | 111.1 (02&20) | 02/20 | 110 | N35°12.80' E127°39.97' |
| Osan | 308.8/122.1 | 094x | 100 | 111.3 (09&27) | 09/27 | 97 | N37°03.80' E128°00.83' |
| Pohang | 236.6/118.05 | 072x | 100 | 110.9 (26) | 08/26 | 37 | N36°02.88' E130°49.59' |
| Pusan | 232.4/118.1 | 087x | 50 | 109.5 (32) | 14/32 | 579 | N35°14.41' E130°28.96' |
| P'Yong'Taeg | 257.8/122.5 | 019x | 25 | 108.5 (34) | 16/34 | 102 | N36°57.87' E128°03.81' |
| Sachon | 305.4/130.2 | 037x | 25 | 111.5 (05L) 108.1 (23R) | 05/23 L/R | 139 | N35°07.95' E129°09.96' |
| Seoul | 237.1/126.2 | 046x | 25 | 110.9 (19) | 19/01 18/36 | 258 | N37°26.97' E128°07.13' |
| Seosan | 353.1/136.75 | 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 | 77 | N38°06.84' E130°09.07' |
| Suwon | 366.0/126.2 | 022x | 50 | 108.5 (32L) | 14/32 L/R | 167 | N37°16.73' E127°57.15' |
| Taegu | 365.0/126.2 | 125x | 25 | 108.7 (32) | 14/32 | 353 | N35°58.41' E129°55.55' |
| Yechon | 269.5/124.35 | 026x | 50 | 109.3 (26) | 08/26 | 491 | 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 | 368 | R180° 042X Dme11 | N36°37.39' E128°35.36' |
| Chunchon | 233.8/122.8 | 18/36 | 383 | R040° 094X Dme66 | N37°53.91' E128°56.79' |
| Kumi | 236.6/122.6 | 09/27 | 254 | R195° 026X Dme30 | N36°12.61' E129°27.68' |
| Mandumi | 253.4/118.9 | 02/20 | 259 | R020° 083X Dme31 | N38°04.45' E127°57.83' |
| R103 | 236.6/122.6 | 09/27 | 135 | R200° 083X Dme07 | N37°28.59' E127°38.72' |
| R107 | 233.8/122.8 | 18/36 | 136 | R325° 094X Dme51 | N37°46.37' E127°28.93' |
| R110 | 233.8/122.8 | 18/36 | 68 | R245° 019X Dme21 | N36°49.25' E127°39.68' |
| R113 | 236.6/122.6 | 09/27 | 171 | R030° 083X Dme10 | N37°43.13' E127°49.17' |
| R217 | 233.8/122.8 | 18/36 | 455 | R010° 094X Dme56 | N37°58.22' E128°18.86' |
| R218 | 233.8/122.8 | 18/36 | 236 | R360° 094X Dme61 | N38°03.61' E128°04.88' |
| R222 | 233.8/122.8 | 18/36 | 360 | R045° 083X Dme25 | N37°52.83' E128°06.19' |
| R419 | 233.8/122.8 | 18/36 | 1063 | R360° 005X Dme43 | N37°42.06' E129°12.87' |
| R505 | 233.8/122.8 | 18/36 | 130 | R230° 042X Dme17 | N36°37.39' E128°19.25' |
| R601 | 306.8/125.3 | 09/27 | 666 | R195° 026X Dme30 | N36°41.88' E129°26.52' |
| R605 | 233.8/122.8 | 18/36 | 920 | R055° 005X Dme21 | N37°10.80' E129°31.92' |
| Singal | 233.8/122.8 | 18/36 | 363 | R190° 046X Dme08 | N37°19.42' E128°07.97' |
| Songwhan | 233.8/122.8 | 18/36 | 191 | R125° 019X Dme06 | N36°54.64' E128°09.66' |
| Yongju | 233.8/122.8 | 18/36 | 589 | 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) | 01/19 15/33 | 106 | N34°39.39' E132°55.13' |
|---------------------|-------------|-------------|------------|------------------------|----------------|-----|---------------------------|

TRAINING RANGES – ROK

| | | | | | |
|-----------------------|-----------------|-------------------------------|------|-------|---------------------------|
| Kotar Tactical Rng | Unicom 306.8 | RKR-110 (GND to FL250) | 180° | 2854' | N37°08.60' E130°20.80' |
|-----------------------|-----------------|-------------------------------|------|-------|---------------------------|

AIRBASES – NORTH KOREA

| Airport | Twr (UHF/VHF) | HSI LOC | | | RWY | Elev | GPS Coord |
|----------------|----------------------|--------------------------|------------|----------------------------------------------------|----------------|-------------|---------------------------|
| Haeju | 280.4/118.3 | R085° 058X Dme28 | | | 12/30 | 113 | N38°02.06' E126°37.20' |
| Hwangju | 337.6/122.4 | R190° 059X Dme22 | | | 12/30 | 231 | N38°42.89' E126°32.93' |
| Hwangsuwon | 368.5/136.3 | R190° 050X Dme73 | | | 12/30 | 3991 | N40°43.59' E129°51.28' |
| Hyon-Ni | 240.9/118.57 | R188° 054X Dme33 | | | 02/20 | 2598 | N38°41.18' E128°37.55' |
| Iwon | 234.4/122.4 | R170° 050X Dme94 | | | 08/26 | 470 | N40°24.49' E130°26.15' |
| Kaech'on | 350.0/137.5 | R025° 051X Dme35 | | | 03/21 | 204 | N39°48.04' E126°42.75' |
| Koksan | 318.2/127.7 | R245° 054X Dme60 | | | 05/23 L/R | 1058 | N38°48.12' E127°33.43' |
| Kuum-ni | 388.7/128.0 | R125° 054X Dme32 | | | 05/23 L/R | 198 | N38°53.95' E129°16.69' |
| Kwail | 349.4/125.9 | R220° 051X Dme64 | | | 14/32 | 274 | N38°27.19' E125°28.72' |
| Manp'o | 242.4/130.02 | R060° 055X Dme124 | | | 01/19 | 1392 | N41°11.13' E127°27.07' |
| Mirim | 225.3/128.68 | 059x | 25 | No ILS | 08/26 | 127 | N39°03.56' E126°38.94' |
| Onch'on | 302.4/129.1 | R235° 051X Dme34 | | | 02/20 L/R | 13 | N38°57.01' E125°45.47' |
| Ongjin | 368.1/119.7 | 058x | 25 | No ILS | 11/29 | 248 | N37°58.92' E126°02.29' |
| Orang | 349.9/118.07 | R110° 050X Dme80 | | | 03/21 | 151 | N41°28.27' E131°49.00' |
| Panghyon | 120.6 | R115° 055X Dme42 | | | 02/20 L/R | 362 | N39°59.37' E125°51.22' |
| Pukch'ang-up | 264.9/128.2 | R035° 051X Dme28 | | | 14/32 | 288 | N38°39.29' E126°44.00' |
| Samjiyon | 299.1/131.8 | 050x | 75 | No ILS | 05/23 L/R | 4478 | N41°55.00' E130°13.07' |
| Sondok | 343.8/136.6 | R360° 054X Dme35 | | | 02/20 | 32 | 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 | 174 | N39°15.09' E126°21.82' |
| Sunch'on | 253.1/124.0 | R055° 051X Dme19 | | | 16/34 L/R | 228 | 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 | 213 | N39°57.84' E126°10.17' |
| Taetan | 288.7/117.3 | R320° 058X Dme12 | | | 08/26 | 174 | N38°08.63' E125°50.96' |
| Toksan | 324.8/124.6 | R010° 054X Dme52 | | | 02/20 L/R | 447 | N40°04.22' E129°00.13' |
| Uiju | 372.0/136.0 | 055x | 75 | No ILS | 05/23 L/R | 120 | N40°14.77' E125°01.46' |
| Wonsan | 244.4/123.8 | 054x | 50 | No ILS | 01/19 15/33 | 14 | 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 | 370 | R160° 051X Dme62 | N38°18.16' E126°42.82' |
| Hoeyang SE HS | 233.7/127.7 | 09/27 | 1695 | R227°054X Dme55 | N38°47.26' E128°54.29' |
| Ich'on Airstrip | 233.7/127.7 | 09/27 | 1084 | R120° 051X Dme83 | N38°36.48' E127°51.34' |
| Kaech'on SW | 231.4/123.4 | 18/36 | 516 | R015° 051X Dme37 | N39°51.38' E126°37.25' |
| Kilchu HS | 231.4/123.4 | 18/36 | 448 | R135° 050X Dme79 | N40°59.27' E131°18.62' |
| Kojo HS | 233.7/127.7 | 09/27 | 616 | R135° 054X Dme31 | N38°52.11' E129°11.30' |
| Koksan HS | 231.4/123.4 | 18/36 | 1064 | R115° 051X Dme65 | N38°47.80' E127°35.51' |
| Kwaksan | 233.7/127.7 | 09/27 | 301 | R315° 051X Dme41 | N39°43.84' E125°44.30' |
| Kyongsong Chuul | 231.4/123.4 | 18/36 | 173 | R105° 050X Dme77 | N41°35.92' E131°48.53' |
| Nuch'on-Ni | 233.7/127.7 | 09/27 | 180 | R147° 051X Dme71 | N38°16.54' E127°07.44' |
| Okpyong-Ni | 233.7/127.7 | 09/27 | 174 | R295° 054X Dme12 | N39°19.59' E128°30.53' |
| Panghyon | 233.7/127.7 | 09/27 | 463 | R120° 055X Dme40 | N39°56.23' E125°46.20' |
| Pongsan | 233.7/127.7 | 09/27 | 188 | R167° 051X Dme45 | N38°32.17' E126°32.51' |
| Sangwon HS | 233.7/127.7 | 09/27 | 326 | R140° 059X Dme14 | N38°53.18' E126°50.17' |
| Sonch'on SW | 233.7/127.7 | 09/27 | 281 | R150° 055X Dme32 | N39°47.61' E125°19.20' |
| Sugam-Ni | 233.7/127.7 | 09/27 | 110 | R095° 050X Dme79 | N41°46.15' E131°56.43' |
| Taebukpo-Ri | 233.7/127.7 | 09/27 | 458 | R130° 051X Dme88 | N38°21.39' E127°46.20' |
| Tangch'on HS | 233.7/127.7 | 09/27 | 196 | R165° 050X Dme95 | N40°25.33' E130°36.18' |
| Yonghung HS | 233.7/127.7 | 09/27 | 22 | 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 | 1555 | N42°09.32' E126°05.36' |
| Shenyang | 395.5/151.9 | 088x | 100 | No ILS | 05/23 L/R | 254 | N41°55.75' E123°38.53' |

AIRBASE – RUSSIA

| | | | | | | | |
|----------|-------------|--------------------|--|--|-------|-----|---------------------------|
| Nachodka | 398.8/149.9 | No NAV DATA | | | 14/32 | 600 | N43°00.35' E134°00.31' |
|----------|-------------|--------------------|--|--|-------|-----|---------------------------|

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 |