Fornebu Airport Chart Collection

SAS Flight Support

Stockholm, Sweden
NORMAL CLIMB

- ALL SID’s
  - At IM 24 or 400 whichever latest, turn right to 145°
  - R130 FBU - D6 FBU - follow SID.
  - Cross D6 FBU MNM 3000 (if unable, inform ATC).

- Initial climb:  Climb to 4000.
- COM:  Contact Oslo DEP 119.65 after TKOF.

RESTRICTIONS

- B767:  At TKOF, use Heading Select i.s.o. LNAV and
  min flap 15 to follow NAP.
- SPEED:  Turn at IM based on MAX TOW V_2 + 20,
  TKOF flaps, bank MNM 25°.
  MAX IAS 250 KT below FL100.
- MNM climb gradient:  5.0% to 4000 (if unable
  inform ATC).

BRATTFORS 3A
Turn L to BGU - BGU - R099 FBU - BRA.

FAGERNES 5A
Turn L - 320° - R335 FBU - FAG.

KALHOVD 6A
Turn L - FBU - R280 FBU - KLD.

SOMPO 2A
At D20 FBU turn R - R176 GRM - SOMPO.

VARDAL 5A
Turn L - 340° - R002 FBU - VDL.

ENG FAIL

- Climb on 059°. At 250 or at D1.5 FBU, whichever first,
  turn right to 250°. Intercept R195 FBU and join EFP.
  If FBU VOR/DME U/S , see alternate procedure in NAV KIT
  (ASIR page 9A).

- ENG FAIL pattern
  - COM:  Contact Oslo DEP 119.65 after TKOF.

RESTRICTIONS

- B767:  At TKOF, use Heading Select i.s.o. LNAV and
  min flap 15 to follow NAP.
- SPEED:  Turn at IM based on MAX TOW V_2 + 20,
  TKOF flaps, bank MNM 25°.
  MAX IAS 250 KT below FL100.
- MNM climb gradient:  5.0% to 4000 (if unable
  inform ATC).

BRATTFORS 3A
Turn L to BGU - BGU - R099 FBU - BRA.

FAGERNES 5A
Turn L - 320° - R335 FBU - FAG.

KALHOVD 6A
Turn L - FBU - R280 FBU - KLD.

SOMPO 2A
At D20 FBU turn R - R176 GRM - SOMPO.

VARDAL 5A
Turn L - 340° - R002 FBU - VDL.

ENG FAIL

- Climb on 059°. At 250 or at D1.5 FBU, whichever first,
  turn right to 250°. Intercept R195 FBU and join EFP.
  If FBU VOR/DME U/S , see alternate procedure in NAV KIT
  (ASIR page 9A).

- ENG FAIL pattern
  - COM:  Contact Oslo DEP 119.65 after TKOF.

RESTRICTIONS

- B767:  At TKOF, use Heading Select i.s.o. LNAV and
  min flap 15 to follow NAP.
- SPEED:  Turn at IM based on MAX TOW V_2 + 20,
  TKOF flaps, bank MNM 25°.
  MAX IAS 250 KT below FL100.
- MNM climb gradient:  5.0% to 4000 (if unable
  inform ATC).

BRATTFORS 3A
Turn L to BGU - BGU - R099 FBU - BRA.

FAGERNES 5A
Turn L - 320° - R335 FBU - FAG.

KALHOVD 6A
Turn L - FBU - R280 FBU - KLD.

SOMPO 2A
At D20 FBU turn R - R176 GRM - SOMPO.

VARDAL 5A
Turn L - 340° - R002 FBU - VDL.
ALL SID’s - At IM 24 or 400 whichever latest, turn right to 145° - R130 FBU - At D6 FBU turn right towards GRS - follow SID.
- Cross D6 FBU MNM 3000 (if unable, inform ATC)

- Initial climb: Climb to 4000.
- COM: Contact Oslo DEP 119.65 after TKOF.

RESTRICTIONS
- B767: At TKOF, use Heading Select i.s.o. LNAV, and min flap 15 to follow NAP.
- SPEED: Turn at IM based on MAX TOW V + 20, TKOF flaps, bank MNM 25°. MAX IAS 250 KT below FL100.
- MNM climb gradient: 5.0% to FL70 (if unable inform ATC).

ABDEM 1A
205° from GRS towards DA - R192 FBU - ABDEM.

BABIN 2A
R204 GRM - BABIN.

NOTOD 2A
265° from GRS - NOTOD.

SKIEN 1A
After GRS - R048 SKI - SKIEN.

- ACFT CAT A/B only.
ALT REST: Climb initially to3000.

GOSDI 2A
Climb on 059° - at 400 - turn R - 220° -
- R184 FBU - GRS - 166° from GRS - GOSDI.
MNM Climb gradient: 300FT/NM (5%) to 4000.

GRÖNSAND 2A
Climb on 059° - at 400 - turn R - 220° -
- R184 FBU - GRS.
MNM Climb gradient: 300FT/NM (5%) to 2000.

ENG FAIL
Climb on 059°. At 250 or at D1.5 FBU, whichever first, turn right to 250°. Intercept R195 FBU and join EFP.
If FBU VOR/DME U/S, see alternate procedure in NAV KIT (ASIR page 9A).
COM
Contact Oslo DEP 119.65 after TKOF.

SPEED: MAX IAS 250KT below FL100.

MNM Climb gradient: 300FT/ NM ( 5% ) to 4000.

INITIAL CLIMB
ALT Rest: Climb initially to 4000.
Climb on 059° - at IM 24 or 400 whichever comes latest turn R - 145° - R130 FBU - D6 FBU - follow SID.
Cross D6 FBU MNM 3000.

BRATTFORS 3A
Turn L to BGU - BGU - R099 FBU - BRA.

FAGERNES 5A
Turn L - 320° - R335 FBU - FAG.

KALHOVD 6A
Turn L - 280° - R280 FBU - KLD.

SOMPO 2A
At D20 FBU turn R - R176 GRM - SOMPO.

VARDAL 5A
Turn L - 340° - R002 FBU - VDL.

Contact Oslo DEP 119.65 after TKOF.

SPEED: MAX IAS 250KT below FL100.

MNM Climb gradient: 300FT/ NM ( 5% ) to 4000.

INITIAL CLIMB
ALT Rest: Climb initially to 4000.
Climb on 059° - at IM 24 or 400 whichever comes latest turn R - 145° - R130 FBU - D6 FBU - follow SID.
Cross D6 FBU MNM 3000.

BRATTFORS 3A
Turn L to BGU - BGU - R099 FBU - BRA.

FAGERNES 5A
Turn L - 320° - R335 FBU - FAG.

KALHOVD 6A
Turn L - 280° - R280 FBU - KLD.

SOMPO 2A
At D20 FBU turn R - R176 GRM - SOMPO.

VARDAL 5A
Turn L - 340° - R002 FBU - VDL.
CONTACT OslO DEp 119.65 after TKOF.

SPEED: MAX IAS 250KT below FL 100.

MNM Climb gradient: (Except GOSDI 1A, GRÖNSAND 1A)
300FT/ NM (5%) to 4000.

INITIAL CLIMB (Except GOSDI 1A, GRÖNSAND 1A)
ALT Rest: Climb initially to 4000.
Climb on 059° - at IM 24 or 400 whichever comes
latest turn R - 145° - R130 FBU - At D6 FBU turn R
towards GRS - follow SID.
Cross D6 FBU MNM 3000.

ABDEM 1A
205° from GRS towards DA - R192 FBU - ABDEM.

BABIN 2A
R204 GRM - BABIN.

NOTOD 1A
266° from GRS - NOTOD.

SKIEN 1A
At GRS - R048 SKI - SKIEN.

* ACFT CAT A/B only.

ALT REST: Climb initially to 3000.

GOSDI 1A
Climb on 059° - at 400 - turn R - 220° -
- R184 FBU - GRS - 166° from GRS - GOSDI.
MNM Climb gradient: 300FT/ NM (5%) to 4000.

GRÖNSAND 1A
Climb on 059° - at 400 - turn R - 220° -
- R184 FBU - GRS.
MNM Climb gradient: 300FT/ NM (5%) to 2000.

Change: BABIN 2A
MNM Climb gradient: 300 FT/NM (5%) to 2000.

SID RWY 19

SAS Flight Support - CUS - 1700 - W - P

COM
Contact Oslo DEP 119.65 after TKOF.

SPEED: MAX IAS 250 KT below FL 100.

MNM Climb gradient: 300 FT/NM (5%) to 2000.

ALT REST: Climb initially to 3000.

GRÖNSAND 2C
Climb on 187° - at 400 turn R - R185 FBU - GRS.

Change: Completely revised
**ENG FAIL pattern**

**ENG FAIL**

Climb on 239°. At 250 or at D2.1 FBU, whichever first, turn left to 155°. Intercept R195 FBU and join EFP.

If FBU VOR/DME U/S, see alternate procedure in NAV KIT (ASIR page 9A).

**NORMAL CLIMB**

**ALL SID’s**
- At MM 06 (D1.9 FBU) turn left - follow SID
- Cross D6 FBU MNM 3000 (if unable, inform ATC)
- **Initial climb:** Climb to 4000
- **COM:** Contact Oslo DEP 119.65 after TKOF

**RESTRICTIONS**
- B767: At TKOF, use Heading Select iso LNAV to follow NAP.
- SPEED: MAX IAS 250 KT below FL100.
- MNM climb gradient: 5.0% (300FT/NM) to 4000.
  (if unable inform ATC)

**FAGERNES 4B**
R218 FBU - at D10 FBU turn R - 330° - R347 DRA - FAG.

**KALHOVD 5B**
R218 FBU - at D10 FBU turn R - DRA - R292 DRA - KLD.

**NOTOD 2B**
R218 FBU - at D16 FBU turn R - 266° from GRS - NOTOD.

**SKIEN 1B**
R218 FBU - SKI.

**VARDAL 5B**
R218 FBU - at D10 FBU turn R - 360° - R015 DRA - VDL.

**ENG FAIL pattern**

Climb on 239°. At 250 or at D2.1 FBU, whichever first, turn left to 155°. Intercept R195 FBU and join EFP.

If FBU VOR/DME U/S, see alternate procedure in NAV KIT (ASIR page 9A).
NORMAL CLIMB

ALL SID's:
- At MM 06 (D1.9 FBU) turn left - follow SID
- Cross D6 FBU MNM 3000 (if unable, inform ATC)

- Initial climb: Climb to 4000
- COM: Contact Oslo DEP 119.65 after TKOF

RESTRICTIONS
- B767: At TKOF, use Heading Select iso LNAV to follow NAP.
- SPEED: MAX IAS 250 KT below FL100.
- MNM climb gradient: 5.0% to 4000.
  (if unable inform ATC)

ABDEM 1B
R218 FBU - at D10 FBU turn L - SF -
intercept R192 FBU - ABDEM.

BABIN 2B
R218 FBU - at D10 FBU turn L towards SF -
intercept R204 GRM - BABIN.

BRATTFORS 1B
R218 FBU - at D10 FBU turn L - GRS -
- 091° - RSK - BRATTFORS.

SOMPO 1B
R218 FBU - at D10 FBU turn L towards SF -
intercept R139 DRA - SOMPO.

- ACFT CAT A/B only.

ALT REST: Climb initially to 3000.

GOSDI 2B
Climb on 240° - at 400 turn L - 150° -
R185 FBU - GRS - 165° from GRS - GOSDI.
MNM Climb gradient: 300FT/NM (5%) to 4000.

GRÖNSAND 2B
Climb on 240° - at 400 turn L - 150° -
R185 FBU - GRS.

ENG FAIL pattern

Climb on 239°. At 250 or D2.1 FBU, whichever first, turn left to 155°.
Intercept R195 FBU and join EFP.
If FBU VOR/DME U/S, see alternate procedure in NAV KIT (ASIR page 9A).

WEF 01 JAN
Change: Coord, SID designator
Contact Oslo DEP 119.65 after TKOF.

SPEED: MAX IAS 250KT below FL 100.

MNM Climb gradient: 300FT/ NM (5%) to 4000.

INITIAL CLimb
ALT Restr: Climb initially to 4000.

Climb on 240° - at MM 06 (D1.9 FBU) turn L -
- follow SID.

Cross D6 FBU for respective SID MNM 3000.

FAGERNES 4B
R218 FBU - at D10 FBU turn R - 330° - R347 DRA - FAG.

KALHOVD 5B
R218 FBU - at D10 FBU turn R - DRA - R292 DRA - KLD.

NOTOD 1B
R218 FBU - at D16 FBU turn R - 266° from GRS - NOTOD.

SKIEN 1B
R218 FBU - SKI.

VARDAL 5B
R218 FBU - at D10 FBU turn R - 360° - R015 DRA - VDL.

COM

Contact Oslo DEP 119.65 after TKOF.

SPEED: MAX IAS 250KT below FL 100.

MNM Climb gradient: 300FT/ NM (5%) to 4000.

INITIAL CLimb
ALT Restr: Climb initially to 4000.

Climb on 240° - at MM 06 (D1.9 FBU) turn L -
- follow SID.

Cross D6 FBU for respective SID MNM 3000.
OSLO FORNEBU NORWAY

COM
Contact Oslo DEP 119.65 after TKOF.

SPEED: MAX IAS 250KT below FL 100.

MNM Climb gradient: (Except GOSDI 1B, GRÖNSAND 1B) 300FT/ NM (5%) to 4000.

INITIAL CLIMB (Except GOSDI 1B, GRÖNSAND 1B)
ALT REST: Climb initially to 4000.

Climb on 240° - at MM 06 (D1.9 FBU) turn L - follow SID.

Cross D6 FBU for respective SID MNM 3000.

ABDEM 1B
R218 FBU - at D10 FBU turn L - SF - intercept R192 FBU - ABDEM.

BABIN 2B
R218 FBU - at D10 FBU turn L towards SF - intercept R204 GRM - BABIN.

BRATTFORS 1B
R218 FBU - at D10 FBU turn L - GRS - 090° - RSK - BRATTFORS.

SOMPO 1B
R218 FBU - at D10 FBU turn L towards SF - intercept R138 DRA - SOMPO.

- ACFET CAT A/B only.

ALT REST: Climb initially to 3000.

GOSDI 1B
Climb on 240° - at 400 turn L - 150° - R184 FBU - GRS - 166° from GRS - GOSDI.

MNM Climb gradient: 300FT/ NM (5%) to 4000.

GRÖNSAND 1B
Climb on 240° - at 400 turn L - 150° - R184 FBU - GRS.

MNM Climb gradient: 300FT/ NM (5%) to 2000.

SCALE DISTORTED

COM
IN ITIAL C LIMB A LT REST: Climb initially to 4000.

MNM Climb gradient: (Except GOSDI 1B, GRÖNSAND 1B) 300FT/ NM (5%) to 4000.

INITIAL CLIMB (Except GOSDI 1B, GRÖNSAND 1B)
ALT REST: Climb initially to 4000.

Climb on 240° - at MM 06 (D1.9 FBU) turn L - follow SID.

Cross D6 FBU for respective SID MNM 3000.

ABDEM 1B
R218 FBU - at D10 FBU turn L - SF - intercept R192 FBU - ABDEM.

BABIN 2B
R218 FBU - at D10 FBU turn L towards SF - intercept R204 GRM - BABIN.

BRATTFORS 1B
R218 FBU - at D10 FBU turn L - GRS - 090° - RSK - BRATTFORS.

SOMPO 1B
R218 FBU - at D10 FBU turn L towards SF - intercept R138 DRA - SOMPO.

- ACFET CAT A/B only.

ALT REST: Climb initially to 3000.

GOSDI 1B
Climb on 240° - at 400 turn L - 150° - R184 FBU - GRS - 166° from GRS - GOSDI.

MNM Climb gradient: 300FT/ NM (5%) to 4000.

GRÖNSAND 1B
Climb on 240° - at 400 turn L - 150° - R184 FBU - GRS.

MNM Climb gradient: 300FT/ NM (5%) to 2000.

SCALE DISTORTED

COM
IN ITIAL C LIMB A LT REST: Climb initially to 4000.

MNM Climb gradient: (Except GOSDI 1B, GRÖNSAND 1B) 300FT/ NM (5%) to 4000.

INITIAL CLIMB (Except GOSDI 1B, GRÖNSAND 1B)
ALT REST: Climb initially to 4000.

Climb on 240° - at MM 06 (D1.9 FBU) turn L - follow SID.

Cross D6 FBU for respective SID MNM 3000.