

INSTRUMENT APPROACH CHART - ICAO

START (Additionally serves as LANDING) 118.1

as LANDING)

KRUG 119.4

PETROPAVLOVSK-KAMCHATSKY, RUSSIA

YELIZOVO

ILS, 2 NDB RWY 34R

TRANSITION LEVEL: ①

TRANSITION HEIGHT: (2400)

AD ELEV: 40.0m

THR ELEV: 40.0m

**PROCEDURE "ALPHA"**

**MNM SECT HGT (1940) 46km**

**MNM SECT HGT (2080) 46km**

**MNM SECT HGT (4240) 46km**

**MNM SECT HGT (1350) 46km**

**UHR154**  
3900  
GND

**BS 180**  
N53 11.0 E158 24.0  
LOM 535 PR  
N53 06.8 E158 29.4 (1800)

**LMM 260 P**  
N53 08.7 E158 28.1

**FAP (400)**

**343° 110.3 IPR**

**PETROPAVLOVSK-KAMCHATSKY**

**KHALAKTYRKA 685 HY**  
N53 00.1 E158 47.5 (1800)

**NR 2 3300-9100**  
Radius 3.0km  
IAS ≤ 400km/h

**Avachinsky Bay**

**Alt set: -mm(hPa on req);  
-QFE(QNH on req).**

**BEARINGS AND TRACKS ARE MAG.  
ELEV, HGT, ALT IN METRES  
DISTANCES ARE IN KILOMETRES**

**MISSED APPROACH**  
Climb on track 343° to (700) or above at GEO point N53 21.0 E158 19.5, LEFT turn onto track 147° climbing to (1800) at LOM PR 535, then proceed on track 128° to KHALAKTYRKA NDB HY 685 maintaining HGT (1800), then proceed according to approach pattern or into HLDG area NR 2. Report ATC in case of missed approach according to "BRAVO-1" or "BRAVO-2" procedure.

**MAPt 2 NDB**

**PR**

**FAP (400)**

**GPA 2°40'**

**343°**

**(250)**

**RDH (TCH) 15.0**

**HGT at LMM (70)**

km6 5 4 3 2 1 0 (-9.00) 2 3 4 5 (-23.00) 6 7 8 9 10km

OCA/H	A	B	C	D
Straight-in				
ILS	84(44)	86(46)	90(50)	99(59)
Approach				
2 NDB	149(109)	149(109)	149(109)	149(109)

**① TRANSITION LEVEL:**

- 3000 when atmospheric pressure is 756mm mercury column or above;
- 3300 when atmospheric pressure is less than 756mm and is 729mm or above;
- 3600 when atmospheric pressure is less than 729mm mercury column.

**WARNING**  
Missed approach climb gradient is not less than 3.2% till passing LOM 535 PR.

GROUND SPEED	km/h	120	150	180	210	240	270	300	330	360	390	420
LOM-MAPt 2 NDB 3080m	min:s	1.33	1.14	1.02	0.53	0.46	0.41	0.37	0.34	0.31	0.28	0.26
RATE OF DESCENT (Grad 4.7%)	m/s	1.6	2.0	2.3	2.7	3.1	3.5	3.9	4.2	4.6	5.0	5.4