



Handoff Procedure (HOP) Eurocontrol North

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1. General Regulations

1.1 Purpose

The Handoff Procedure (HOP) is a guide providing the respective Air Traffic Controller with information about the Letter of Agreements between the by Eurocontrol North covered FIR and the neighbor FIR.

This HOP is binding and one shall not deviate from this transcription.

1.2 Airspace

The airspace of Eurocontrol North (EURN_FSS) covers Denmark (Copenhagen EKDK), Estonia (Tallinn EETT), Finland (Rovaniemi EFPS, Tampere EFES), Latvia (Riga EVRR), Lithuania (Vilnius EYVL), Norway (ENOR now covering Bodø ENBD, former Trondheim ENTR, Stavanger ENSV and Oslo ENOS) and Sweden (ESAA containing Malmö ESMM and Stockholm ESOS).

1.3 Handoffs

Whether to use classic or silent handoffs within the EURN sector varies in each vACC / FIR.

Silent Handoff (transfer TAG and pilot on voice simultaneously) shall be used in:

- Denmark
- Finland FIR
- Reykjavik FIR (Iceland)
- Sweden FIR

Classic Handoff (hand over the pilot on voice once the TAG has been accepted) shall be used in all other FIRs which are not mentioned above.

The handoff shall be initiated at latest 10nm or 2min (recommended 20nm or 4min) before passing the coordinated handoff point of Eurocontrol North.

The traffic shall be handed over to the neighbor sector while being in the respective flight level writing below. If the requested flight level (RFL) / cruising flight level (CFL) is below the written altitude, the traffic shall be handed over at the RFL / CFL.

After the handoff the aircraft is released for any vertical or horizontal movements.

1.4 Reduced Vertical Separation Minimum

The Reduced Vertical Separation Minimum within the airspace of Eurocontrol North is even for westbound and odd for eastbound flights.

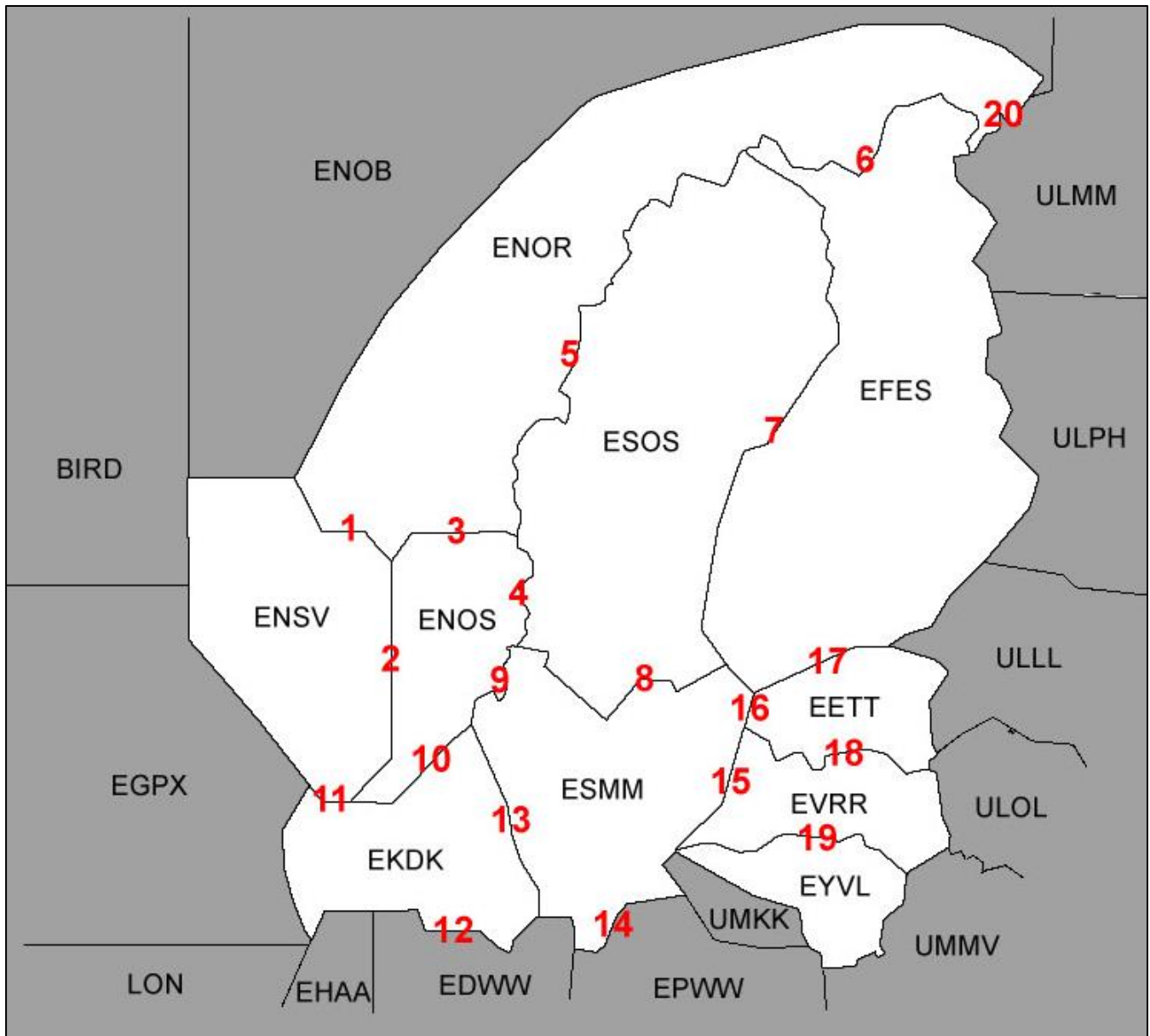
1.5 Explanation “No relevant COPX”

If there is a lack of LoA between the mentioned FIRs or if there are no selected COPX for the handovers, the phrase “no relevant COPX from ... to ...” is used.

1.6 Validity

The HOP is valid by 01.11.2014.

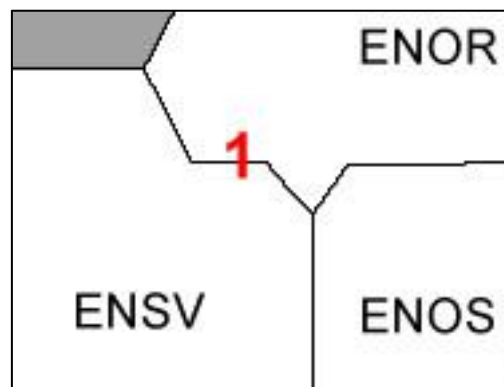
Airspace Overview



1.1 Stavanger (ENSV) to Bodo (ENOR)

– Silence Handoff –

No relevant COPX from ENSV to ENOR.



1.2 Bodo (ENOR) to Stavanger (ENSV)

– Silence Handoff –

No relevant COPX from ENOR to ENSV.

2.1 Stavanger (ENSV) to Oslo (ENOS)

– Silence Handoff –

No relevant COPX from ENSV to ENOS.



2.2 Oslo (ENOS) to Stavanger (ENSV)

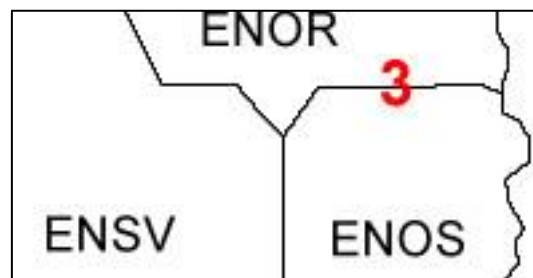
– Silence Handoff –

Airport	COPX	FL	Remarks
ENBR	PIRAG	FL320	
ENZV ENHD	Inside Oslo AoR	FL320	

3.1 Oslo (ENOS) to Bodo (ENOR)

– *Silence Handoff* –

No relevant COPX from ENOS to ENOR.



3.2 Bodo (ENOR) to Oslo (ENOS)

– *Silence Handoff* –

No relevant COPX from ENOR to ENOS.

4.1 Stockholm (ESOS) to Oslo (ENOS)

– Silence Handoff –

Airport	COPX	FL	Remarks
ENGM ENTO ENRY ENSN	ESEBA	FL250 10nm before	
ENGM	XELVI	FL300	



4.2 Oslo (ENOS) to Stockholm (ESOS)

– Silence Handoff –

No relevant COPX from ENOS to ESOS.

5.1 Stockholm (ESOS) to Bodö (ENOR)

– Silence Handoff –

Airport	COPX	FL	Remarks
ENVA	TIGBA SOLKA	FL250 20nm before	



5.2 Bodö (ENOR) to Stockholm (ESOS)

– Silence Handoff –

No relevant COPX from ENOR to ESOS.

6.1 Bodö (ENOR) to Tampere (EFES)

– *Silence Handoff* –

No relevant COPX from ENOR to EFES.



6.2 Tampere (EFES) to Bodö (ENOR)

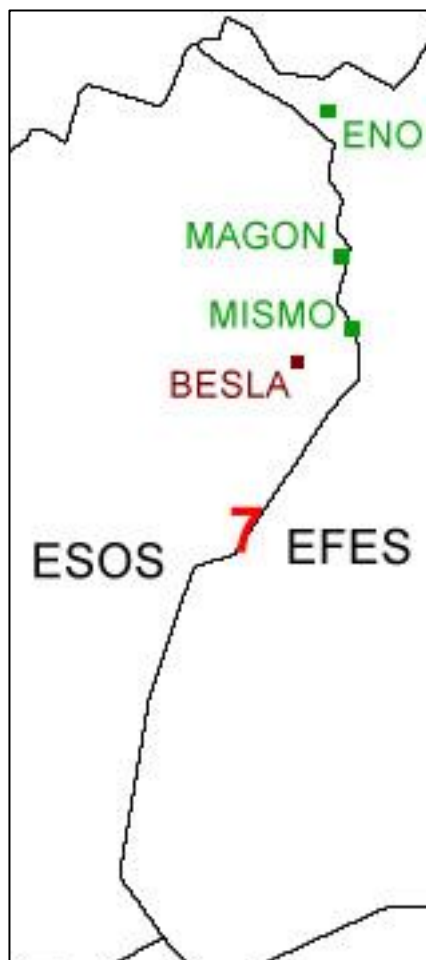
– *Silence Handoff* –

No relevant COPX from EFES to ENOR.

7.1 Stockholm (ESOS) to Tampere (EFES)

– Silence Handoff –

Airport	COPX	FL	Remarks
EFRO	MISMO	FL250 10nm before	released at BESLA
EFKT	MAGON	FL250 10nm before	released at BESLA
EFET	ENO	FL250 10nm before	route direct ENO



7.2 Tampere (EFES) to Stockholm (ESOS)

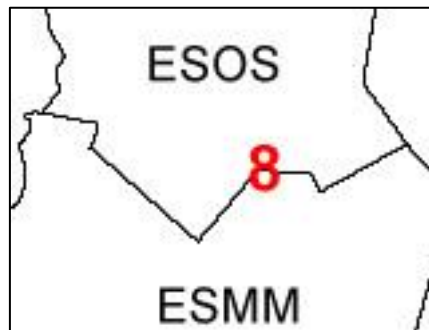
– Silence Handoff –

Airport	COPX	FL	Remarks
ESSA ESSB ESCM ESOW ESSU	FIR boundary	FL250 15nm before	released 30nm before boundary

8.1 Stockholm (ESOS) to Malmö (ESMM)

– *Silence Handoff* –

No relevant COPX from ESOS to ESMM.



8.2 Malmö (ESMM) to Stockholm (ESOS)

– *Silence Handoff* –

No relevant COPX from ESMM to ESOS.

9.1 Oslo (ENOS) to Malmö (ESMM)

– Silence Handoff –

No relevant COPX from ENOS to ESMM.



9.2 Malmö (ESMM) to Oslo (ENOS)

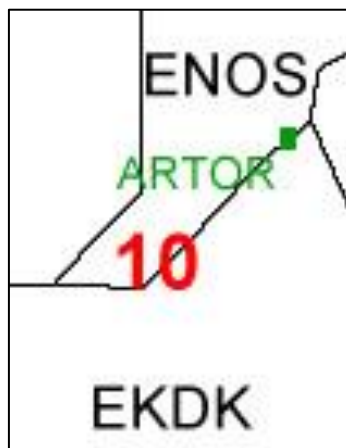
– Silence Handoff –

Airport	COPX	FL	Remarks
ENGM	REGMA	FL250	

10.1 Oslo (ENOS) to Copenhagen (EKDK)

– Silence Handoff –

No relevant COPX from ENOS to EKDK.



10.2 Copenhagen (EKDK) to Oslo (ENOS)

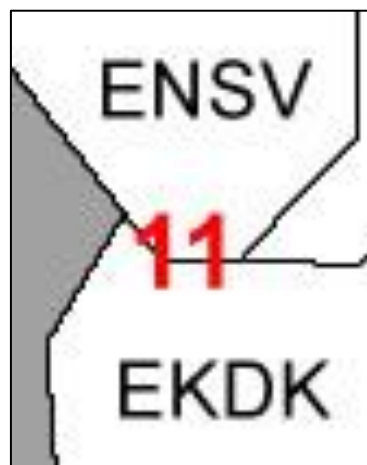
– Silence Handoff –

Airport	COPX	FL	Remarks
ENSN		FL250	
ENTO	ARTOR	15nm before	
ENRY			

11.1 Stavanger (ENSV) to Copenhagen (EKDK)

– *Silence Handoff* –

No relevant COPX from ENSV to EKDK.



11.2 Copenhagen (EKDK) to Stavanger (ENSV)

– *Silence Handoff* –

No relevant COPX from EKDK to ENSV.

12.1 Copenhagen (EKDK) to Bremen (EDWW)

Airport	COPX	FL	Remarks
EDDH EDHI	MIC	FL250 15nm before	
EDHL	MIC	FL250 30nm before	
EDDH EDHI EDHL	TUGDU	FL250 10nm before	



12.2 Bremen (EDWW) to Copenhagen (EKDK)

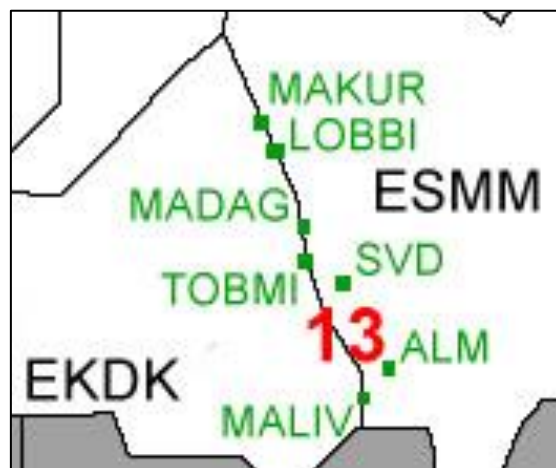
– Silence Handoff –

Airport	COPX	FL	Remarks
EKCH EKRK	KOSEB	FL250 25nm before	
	NIKDA	FL250 25nm before	
	AMICH	FL250 15nm before	
	PIBUL	FL250 15nm before	
	PIXID	FL250 15nm before	
	ELKIM	FL250 15nm before	
	UNGEM	FL250 15nm before	
	ALS	FL290	
	BATOB	FL310	
EKBI	ALS	FL250 25nm before	
	BATOB	FL250 25nm before	

13.1 Copenhagen (EKDK) to Malmö (ESMM)

– Silence Handoff –

Airport	COPX	FL	Remarks
ESGG	MAKUR LOBBI	FL250 15nm before	
ESMS ESMK ESMT	MADAG TOBMI	FL250 15nm before	
ESMK	MALIV	FL290	



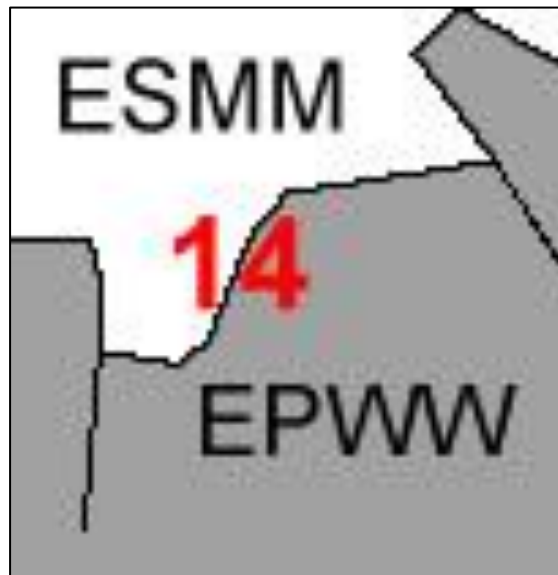
13.2 Malmö (ESMM) to Copenhagen (EKDK)

– Silence Handoff –

Airport	COPX	FL	Remarks
EKCH	SVD	FL250 45nm before	
EKCH	ALM	FL250 60nm before	

14.1 Malmö (ESMM) to Warszawa (EPWW)

No relevant COPX from ESMM to EPWW.



14.2 Warszawa (EPWW) to Malmö (ESMM)

– Silence Handoff –

Airport	COPX	FL	Remarks
EKCH	20nm before AoR	CFL	Released for turns and descent
ESMS	20nm before AoR	CFL	Released for turns and descent

15.1 Malmö (ESMM) to Riga (EVRR)

Airport	COPX	FL	Remarks
All	AoR	Traffic shall use odd FL	



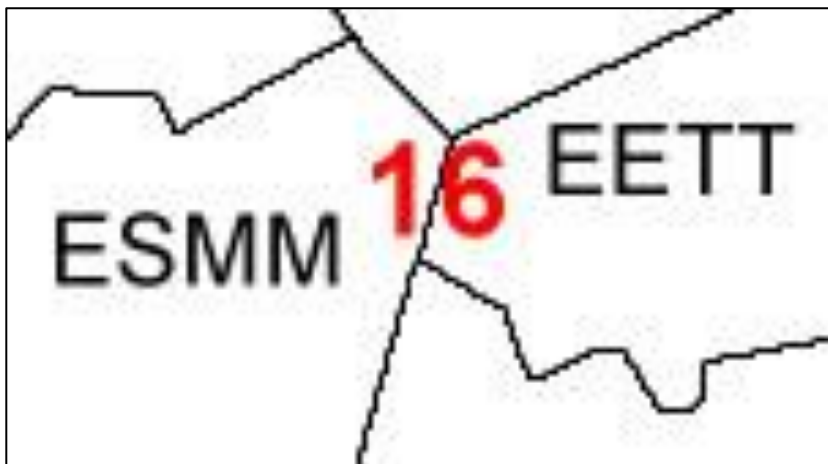
15.2 Riga (EVRR) to Malmö (ESMM)

– Silence Handoff –

Airport	COPX	FL	Remarks
All	AoR	Traffic shall use even FL	

16.1 Malmö (ESMM) to Tallinn (EETT)

No relevant COPX from ESMM to EETT.



16.2 Tallinn (EETT) to Malmö (ESMM)

– Silence Handoff –

No relevant COPX from EETT to ESMM.

17.1 Tampere (EFES) to Tallinn (EETT)

No relevant COPX from EFES to EETT.



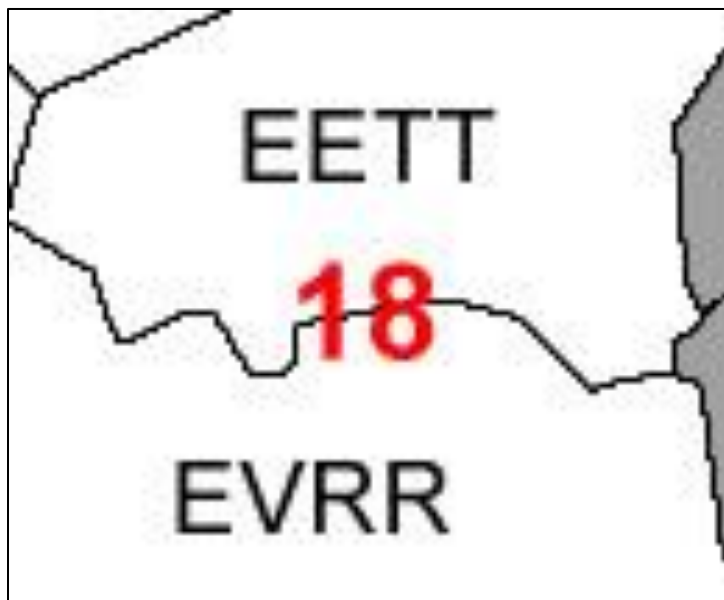
17.2 Tallinn (EETT) to Tampere (EFES)

– Silence Handoff –

No relevant COPX from EFES to EETT.

18.1 Tallinn (EETT) to Riga (EVRR)

No relevant COPX from EETT to EVRR.



18.2 Riga (EVRR) to Tallinn (EETT)

No relevant COPX from EVRR to EETT.

19.1 Riga (EVRR) to Vilnius (EYVL)

No relevant COPX from EVRR to EYVL.

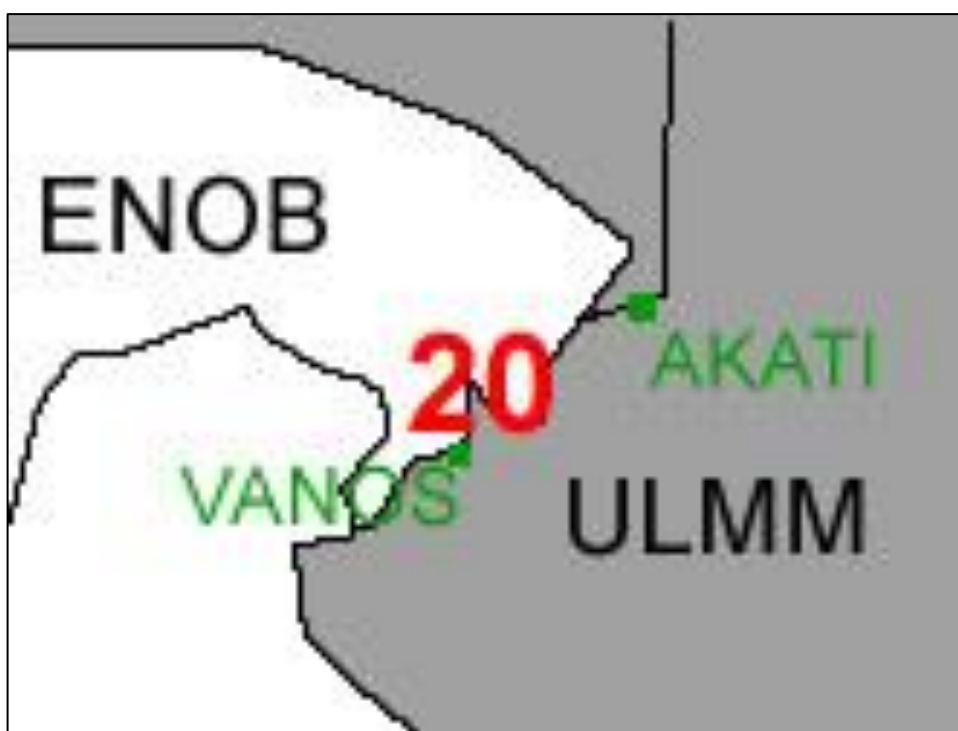


19.2 Vilnius (EYVL) to Riga (EVRR)

No relevant COPX from EYVL to EVRR.

20.1 Bodo (ENOR) to Murmansk (ULMM)

Airport	COPX	FL	Remarks
None	VANOS	Odd	Minimum longitudinal separation at same FL and speed 10 minutes.
None	AKATI	Odd	



20.2 Murmansk (ULMM) to Bodo (ENOR)

– Silence Handoff –

Airport	COPX	FL	Remarks
None	VANOS	Even	Minimum longitudinal separation at same FL and speed 10 minutes.
None	AKATI	Even	

Oceanic clearances for westbound flights via AKATI will be issued by Bodo. Flights entering Bodo airspace will be issued a new FL in feet by ATC.