

 AVINOR	Operational assessment
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OPERATIONAL ASSESSMENT



AIRAC / Date:	-
Location:	Hammerfest

Synopsis: Operational analysis to determine if the installation of the towers of a transmission line would affect the minima of the instrument flight procedures in the area.

	Date:	User ID:
Completed:	20211110	caamm

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2 Background

Coordinates and elevation of the towers:

Name	Type	Decimal latitude	Decimal longi	Sexagesimal latitude	Sexagesimal longitude	WGS84	Altitude at top (M)	Height above ground (M)	Altitude at base (M)
Oper. no. 162 / Constr. no. 1118	Transmission line tower (FM)			70°40'41.558"N	023°44'45.719"E	Y	215	22	193
Oper. no. 163 / Constr. no. 1120	Transmission line tower (BM)			70°40'49.823"N	023°44'24.790"E	Y	238	25	213
Oper. no. 164 / Constr. no. 1121	Transmission line tower (FM)			70°40'54.514"N	023°44'12.910"E	Y	229	24	205
Oper. no. 165 / Constr. no. 1122	Transmission line tower (FM)			70°40'55.645"N	023°43'38.222"E	Y	211	26	185

3 Design comments

The following simplified method has been used to assess if the towers could affect the procedures:

The highest MOC applicable, 300 m, has been added to the tower altitude, 300 m. The safe altitude would be: $238 + 300 = 538 \text{ m} = 1766 \text{ ft}$.

The procedures where the a/c would be above the safe altitude, 1766 ft, are not affected.

If using this method, a procedure could be affected, a more detail assessment has been performed.

4 Operational assessment summary - ENHF

4.1 STAR

RWY 04/22

The STARs are not affected by the towers.

4.2 SID

RWY 04:

- RNAV departures: not affected by the towers.
- Omnidirectional departure. not affected by the towers.
- RNAV departure CAT H: not affected by the towers.

RWY 22:

- RNAV departures: not affected by the towers.
- Omnidirectional departure. not affected by the towers.
- RNAV departure CAT H: not affected by the towers.

4.3 Instrument approach procedures

RWY 04

- GLS RWY 04: The procedure is not affected by the towers.
- RNP RWY 04: The procedure is not affected by the towers.
- LOC Z RWY 04: The procedure is not affected by the towers.
- LOC Y RWY 04: The procedure is not affected by the towers.

RWY 22

- GLS RWY 22: The procedure is not affected by the towers.
- RNP RWY 22: The procedure is not affected by the towers.
- LOC Z RWY 22: The procedure is not affected by the towers.
- LOC Y RWY 22: The procedure is not affected by the towers.

- RNP 133: The procedure is not affected by the towers.

5 ATCSMAC

The towers do not affect the minima of the ATCSMAC sectors.

6 Operational assessment summary – Low LVL Helicopter Routes

The towers do not affect the low LVL helicopter routes.

7 Conclusion

The towers do not affect the instrument procedures published in AIP nor the low LVL helicopter routes.

8 Version history

The version listing below indicates changes made to the Operational assessment template.

Date:	Version:	Comments:
20110825	1.0	Initial document draft
20110829	1.1	Changed table setup, and added GP angle column
20131114	1.2	New layout