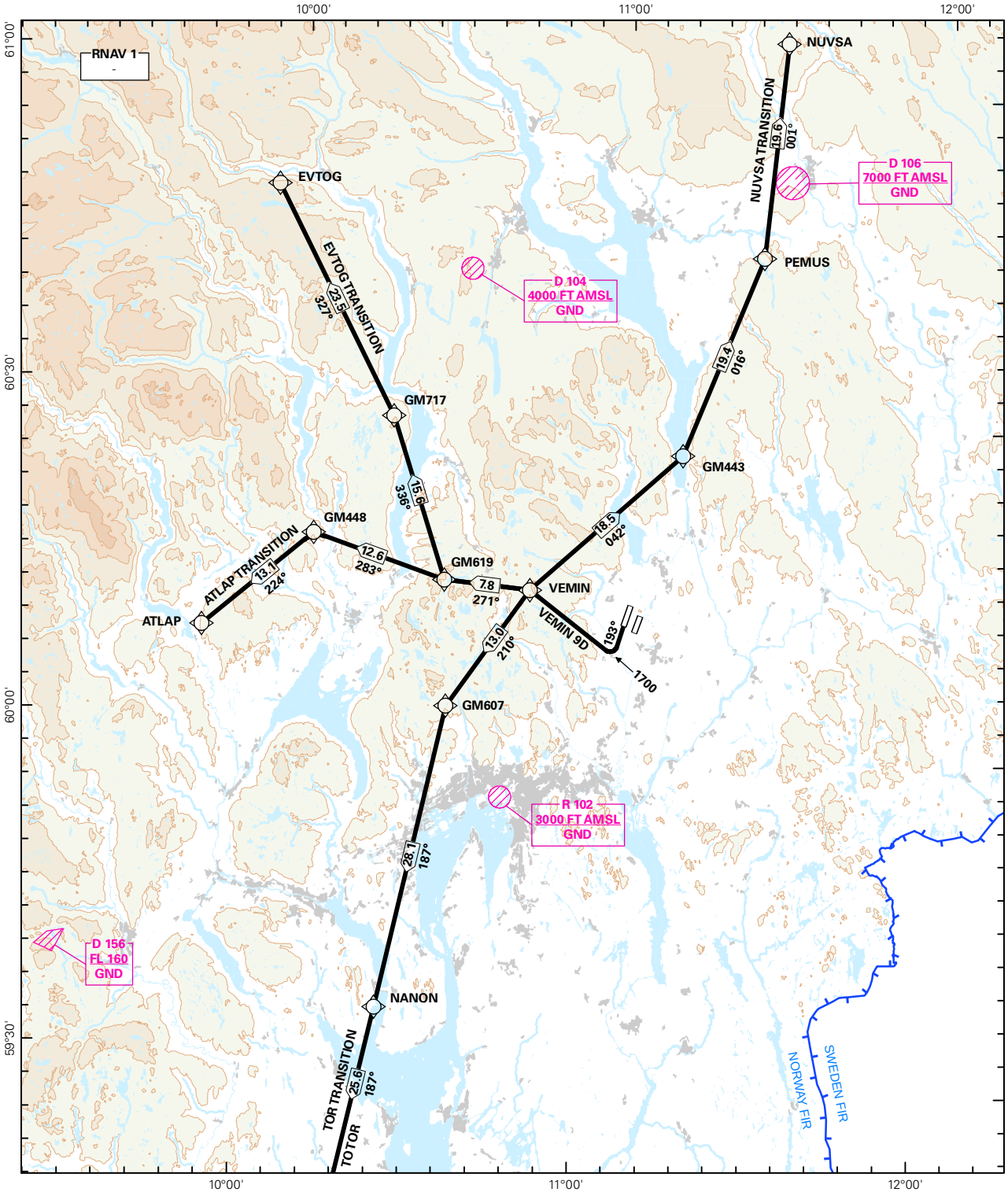
STANDARD DEPARTURE CHART INSTRUMENT PROP (RNAV 1 SID BASED ON GNSS OR DME/DME)

3 9	ATIS: 127.150	ALT AND ELEV ARE IN FT DIST IN NM		GARDERMOEN
	APP: 120.450 118.475			RWY 19R
	TWR: 118.300 (118.700)			NORWAY
MSA 25 NM ARP	GND: 121.600 121.900	1:1 000 000	VAR: 2.8 ° E (2015) TA 7000	VEMIN 9D



SID DESCRIPTION OVERLEAF
DESCRIPTION OF WAYPOINTS, REF ENR 4.4

ATS AIRSPACE CLASSIFICATIONS: REF ENR 1.4
LEGEND: REF GEN 2.3

5 0 5 10 15 20 25 30 35 40 KM
5 0 5 10 15 20 NM

CHANGES: D103, D154 WITHDRAWN.

STANDARD DEPARTURE ROUTES – INSTRUMENT PROP (RNAV 1 SID BASED ON GNSS OR DME/DME) OSLO/Gardermoen RWY 19R

GENERAL: Class A GNSS shall not be used.
Radar service shall be available.
Maximum speed below FL 100: 250 KT IAS unless otherwise instructed by ATC.

Due to simultaneous parallel departures, change to APP frequency shall always be initiated by GARDERMOEN TWR.

RADIO COMMUNICATION FAILURE: SQUAWK A7600.
In case of RCF after take-off, maintain last assigned level for 2 minutes, then climb to the cruising level stated in the CPL. ACFT under vectoring shall, after setting their transponder to A7600, continue on last cleared and acknowledged heading and level for 2 minutes, then proceed via the most direct route to join the cleared SID or route and climb to the cruising level stated in CPL.

ATC CLEARANCE: Departing IFR flights shall contact "GARDERMOEN DELIVERY" to obtain ATC clearance. Specify stand number. Request for ATC clearance may take place at the earliest 30 minutes and at the latest 10 minutes prior to anticipated engine start-up. Listening watch shall thereafter be maintained on "GARDERMOEN DELIVERY".

NON RNAV 1 ACFT: At first contact with "GARDERMOEN DELIVERY" state "UNABLE RNAV 1".
OMNI-DIRECTIONAL DEPARTURE available (see ENGM AD 2.24).

DESIGNATOR	ROUTE	RESTRICTIONS	CLIMB TO	CONTACT
VEMIN 9D (VEMIN NINE DELTA DEPARTURE)	Climb on track 193°. At 1700 FT turn right direct to VEMIN.	A MNM climb gradient of 5.0% i.e. 304 FT/NM is required until reaching 4000 FT. If unable to comply, inform ATC.	4000 FT Expect further climb from OSLO APP	When instructed by GARDERMOEN TWR contact OSLO APP 120.450 MHZ

TRANSITION ROUTES

DESIGNATOR	ROUTE
ATLAP TRANSITION	From VEMIN to GM619 to GM448 to ATLAP
EVTOG TRANSITION	From VEMIN to GM619 to GM717 to EVTOG
NUVSA TRANSITION	From VEMIN to GM443 to PEMUS to NUVSA
TOR TRANSITION	From VEMIN to GM607 to NANON to TOR

OMNI-DIRECTIONAL DEPARTURE RWY 19R

RADAR VECTORING: Expect vectoring by OSLO APP to join the cleared ATS route.

DESIGNATOR	ROUTE	RESTRICTIONS	CLIMB TO	CONTACT
OMNI-DIRECTIONAL DEPARTURE	Climb on RWY track 193° to 1700 FT, then start turn according to ATC clearance.	MNM climb gradient 5.0% i.e. 304 FT/NM to 4000 FT. Climb gradient for SEC 207°-337° is MNM 7.0% i.e. 425 FT/NM, in order to stay within controlled airspace. If unable to comply, inform ATC.	4000 FT Expect further climb from OSLO APP	When instructed by GARDERMOEN TWR contact OSLO APP