INSTRUMENT APPROACH CHART - ICAO

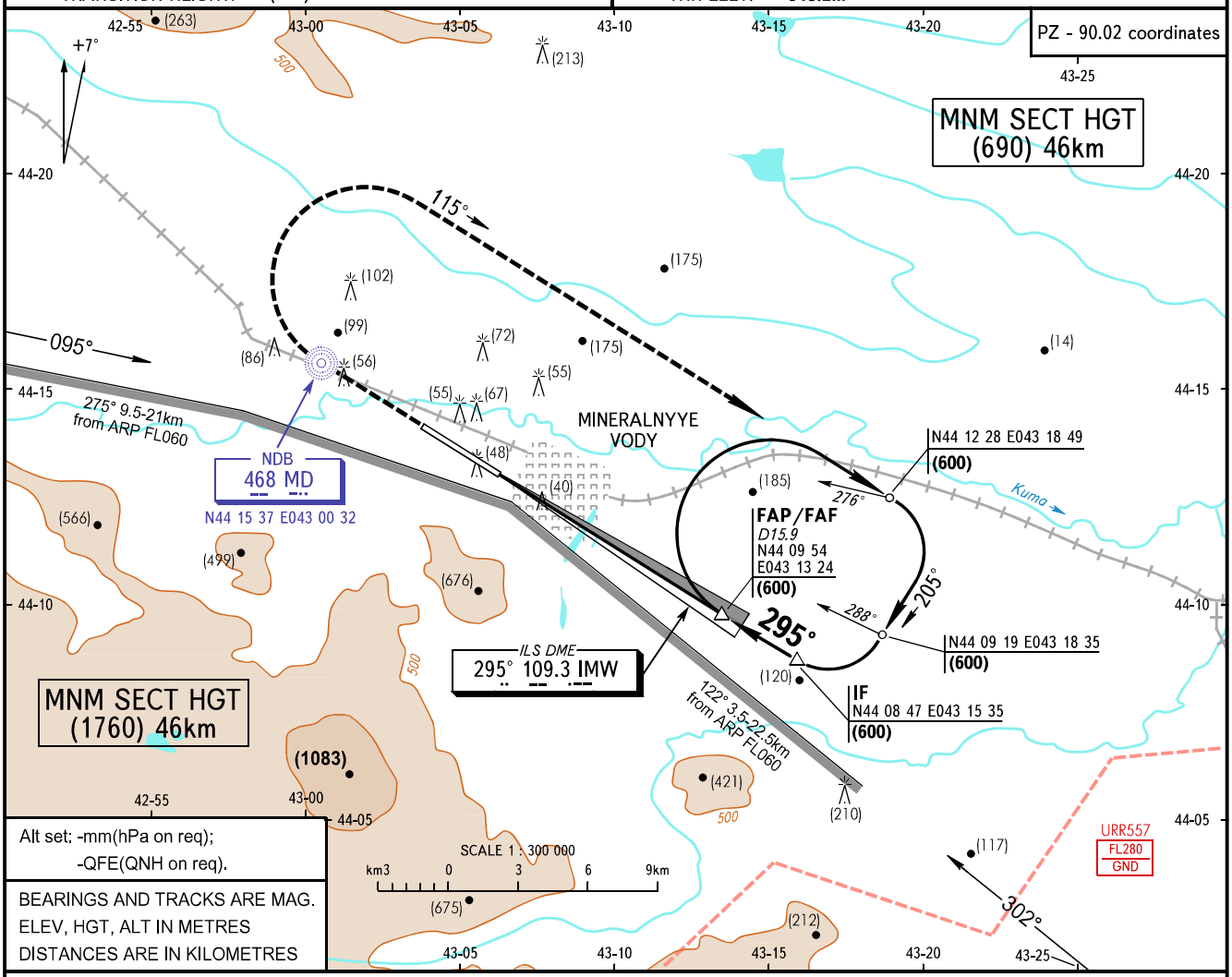
APPROACH	119.3
KRUG	120.7
START	128.0

MINERALNYYE VODY, RUSSIA

MINERALNYYE VODY

ILS DME, ILS (GP out) DME RWY 30

TRANSITION LEVEL:	❶	AD ELEV:	319.1m
TRANSITION HEIGHT:	(900)	THR ELEV:	318.2m

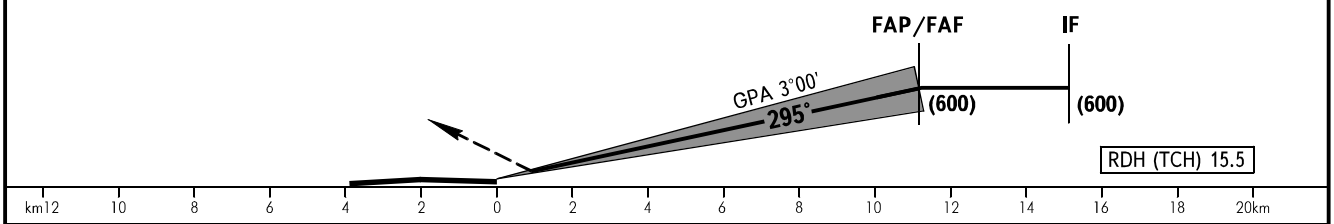


Alt set: -mm(hPa on req);
-QFE(QNH on req).

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

MISSED APPROACH
Climb on track 295° to NDB MD, then turn RIGHT on track 115° climbing to (600), then as directed by ATC.

FAF is fixed by TAR 13.2km from ARP.



OCA/H		A	B	C	D
Straight-in Approach	**CAT I**	*363(44)*	*366(47)*	*369(50)*	*374(55)*
	ILS (GP out) DME	*474(155)*	*474(155)*	*474(155)*	*474(155)*
	ILS (GP out) DME WO FAF	*561(242)*	*561(242)*	*561(242)*	*561(242)*

❶ TRANSITION LEVEL:
- FL060 when atmospheric pressure is 704mm mercury column or above;
- FL070 when atmospheric pressure is less than 704mm mercury column.

GROUND SPEED	km/h	*150*	*180*	*210*	*240*	*270*	*300*	*330*	*360*	*390*		
FAF - THR 11200m	min:sec	*5.36*	*4.29*	*3.44*	*3.12*	*2.48*	*2.29*	*2.14*	*2.02*	*1.52*		
RATE OF DESCENT (Grad 5.2%)	m/s	*2.2*	*2.6*	*3.0*	*3.5*	*3.9*	*4.3*	*4.8*	*5.2*	*5.6*		

CHANGE: FAP/FAF