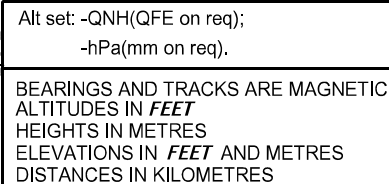


MOSCOW, RUSSIA
VNUKOVO
RNP RWY 19

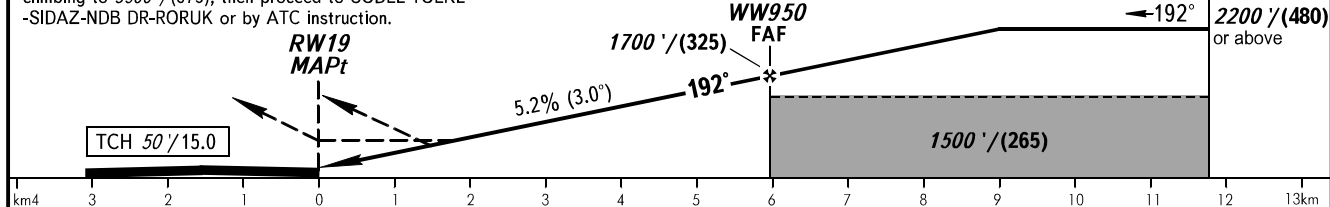
TRANSITION LEVEL: ①	TRANSITION ALT: 10000'	AD ELEV: 685' / 209m
	TRANSITION HGT: (2900)	THR ELEV: 634' / 193.0m



DIST to RW19	2.0	4.0	6.0	WW503 IF ←192°
ALT/HGT	1030'/(125)	1370'/(225)	1710'/(330)	

WW950
1700'/(325) FAF

2200'/(480)
or above



OCA(H)		A	B	C		D		① TRANSITION LEVEL: - FL110 when QNH is 1013 hPa (760mm mercury column) or above; - FL120 when QNH is 977 hPa (733mm mercury column) or above, but less than 1013 hPa (760mm mercury column); - FL130 when QNH is less than 977 hPa (733mm mercury column).						
Straight-in	LNAV	1130' (500')/(155)	1130' (500')/(155)	1130' (500')/(155)	1130' (500')/(155)	1130' (500')/(155)	1130' (500')/(155)							
Approach	LNAV/VNAV	978' (344')/(105)	991' (357')/(109)	999' (365')/(112)	1009' (375')/(115)	1009' (375')/(115)	1009' (375')/(115)							
GROUND SPEED		km/h	150	180	210	240	270	300	330	360	390	420	450	
RATE OF DESCENT		m/s	2.2	2.6	3.0	3.5	3.9	4.3	4.8	5.2	5.6	6.1	6.5	
		ft/min	427	512	597	682	768	853	938	1024	1109	1194	1280	

CHANGE: UUP