Figure 10-P
*GNSS Survey Specifications for Project Monumentation

Specification	•	
Specification Specification	Static	Rapid (or Fast) Static
General Specifications	III. ONODO D	III. ONGDOD
Minimum number of reference stations used to	Horz 2 NSRS B-order	Horz 2 NSRS B-order
control the survey - Minimum Order of station	Vert 3 NSRS 3rd-order	Vert 3 NSRS 3rd-order
Maximum distance from survey boundary to	50 km	20 km
reference stations		
Minimum number of dual frequency GNSS	3	3
receivers used simultaneously		
Missian Planning & Field Observation		
Mission Planning & Field Observation Specifications		
Minimum number of satellites observed	5	5
simultaneously at all stations	5	5
Maximum GDOP / PDOP during observation	6 / 4	6 / 4
	6/4	6/4
Session Minimum number of simultaneous accumations	2	2
Minimum number of simultaneous occupations of reference stations		2
	2	2
Minimum number of simultaneous occupations	2	2
of sight pairs Minimum number of simultaneous assunations	2	2
Minimum number of simultaneous occupations	2	2
of azimuth pairs	20 minutes	20 minutes
Minimum time between sight and azimuth pair	30 minutes	30 minutes
repeat observations	COO # / 4 mails	COO ft / 4 mile
Minimum Spacing of Sight Pairs / Azimuth Pairs	600 ft. / 1 mile	600 ft. / 1 mile
Epoch interval for data sampling during	15 seconds	5 seconds
observation session	45 do 270 00	4 <i>E</i> doggooo
Minimum satellite mask angle above the horizon	15 degrees	15 degrees
for collection and processing	3	2 diagonally apposite
Satellite signals received from minimum number	ა	2 diagonally opposite
of quadrants	20 day abaya barinar	20 day abaya barinan
Obstruction diagrams completed for obstructions	20 deg. above horizon	20 deg. above horizon
higher than Minimum observation time at station	2 E hours	45 minutes
	2.5 hours YES	15 minutes
Antenna height measurement in meters at	YES	YES
beginning and end of session?		
Processing and Adjustment Specifications		
Fixed Integer solution required for all baselines?	YES	YES
Ephemeris used for processing	Broadcast or Precise	Broadcast or Precise
Maximum misclosure per loop in any one	5 cm	5 cm
component (x,y,z) not to exceed	Juli	JUII
Maximum misclosure per loop in terms of loop	30 ppm	30 ppm
length not to exceed	30 ρριτί	30 ρριτί
Maximum allowable residual in any one	3 cm	3 cm
component (x,y,z) in a properly constrained least	3 (11)	3 GIII
squares network adjustment not to exceed		
Maximum baseline length misclosure allowable	30 ppm	30 nnm
in a properly constrained least squares network	30 ppm	30 ppm
adjustment		
aujustinent		

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