



## Surveyor Work Processes

	<b>Performance Completions</b>	<b>Hours Required</b>
A.	Application, care and practices of proper steel and cloth tape measurement procedures with the understanding of obtainable precision and accuracy in determining horizontal distances	200
B.	Application, care, and adjustment of surveying equipment	200
C.	Recording of hand and electronic field notes, including the use of reference sketches, describing control points and other pertinent field data	800
D.	Application, care, use, operation, and adjustment procedures for vertical and horizontal angles when performing topographic contouring and open or closed traversing	700
E.	Application, care, and use of equipment for selecting turning points, identifying topographical features on site surveys	800
F.	Establishing observation points, performing interior angle and deflection angles, controls for R/W and boundary identification, determine error of closure and accuracy	1,000
G.	Astronomical observation for azimuth determination, establishing GPS control sites, HARN stations, identifying picture points for aerial photography	500
H.	Application and use of field and office equipment including software programming for the development of plans and plats from field surveys	1,000
I.	Interpret plans for establishment of boundaries and R/W, drainage and utility layout, horizontal and vertical curves, slope and grade stakes	1,000
J.	Field and office procedures for area and volume determinations	500
K.	Application, care, and adjustment procedures for establishing elevation profiles and cross sections using differential, trigonometric, and GPS leveling procedures4/15/2008	800
L.	Application, care, and procedures for conducting research of land records, deeds, wills, and plats; Understanding, applying, and relating local or state codes, statutes, and regulations that influence or control surveying procedures	400
M.	Application, computation, and field procedures for establishing state plane coordinates	400
N.	Other general or advanced surveying operations that lead to the complete development of the surveying apprentice but does not clearly fit into the previous thirteen items	1,200



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O. Health and Safety Procedures	500
Total Number of Hours Required	<b>10,000</b>

Make note of each different task you perform and record your work experiences in your log book. Enter the number of hours you spent performing a task in the column under the code letter for that task. There is a separate line to be used for each day of the month. Total each column and write these onto a new page at the beginning of each month. Call your VADOLI representative, 703-392-0900 ext. 102 or 131, if you have any questions.