CECW-CE 31 March 2016

Errata Sheet

No. 1

Engineering And Design

Photogrammetric and LiDAR Mapping

EM 1110-1-1000

30 April 2015

Chapter 3, page 3-12, table 3-11: Units of measure are shown incorrectly in columns 2 and 3. Revise units of measurement of (cm) in columns 2 and 3, change to units of measurement of (inch) in columns 2 & 3 for Table 3-11 (English Units).

Table 3-10 Examples for Vertical Accuracy and Recommended Lidar Point Density (Metric Units)

Vertical Accuracy Class	Absolute Accuracy		Recommended Minimum NPD (pts/m^2)	Recommended Maximum NPS (m)
	$RMSE_z$ Non-Vegetated (cm)	NVA at 95% Confidence Level (cm)		
1-cm	1	2.0	≥20	≤0.22
2.5-cm	2.5	4.9	16	0.25
5-cm	5	9.8	8	0.35
10-cm	10	19.6	2	0.71
15-cm	15	29.4	1	1.0
20-cm	20	39.2	0.5	1.4
33.3-cm	33.3	65.3	0.25	2.0
66.7-cm	66.7	130.7	0.1	3.2
100-cm	100	196.0	0.05	4.5
333.3-cm	333.3	653.3	0.01	10.0

Table 3-11 Examples for Vertical Accuracy and Recommended Lidar Point Density (English Units)

Vertical Accuracy Class	Absolute Accuracy		Recommended Minimum NPD (pts/m^2)	Recommended Maximum NPS (m)
	$RMSE_z$ Non-Vegetated (inch)	NVA at 95% Confidence Level (inch)		
1-inch	1	2.0	≥16	≤0.25
2-inch	2	3.9	8	0.35
3-inch	3	5.9	4	0.50
4-inch	4	7.8	2	0.71
6-inch	6	11.8	1	1.00
9-inch	9	17.6	0.5	1.41
12-inch	12	23.5	0.25	2.00
24-inch	24	47.0	0.1	3.16
36-inch	36	70.6	0.05	4.47
60-inch	60	117.6	0.025	6.33