COV ITRM GUIDELINE 92-1 DATE: <u>3/20/92</u> REVISION: <u>BASIC</u>

Table 2
Planimetric and Vertical Coordinate Accuracy Requirements in meters
Ground X or Y or Z for Well-defined Points<sup>1</sup>

Planimetric Classes (Limiting rms error, meters)			Typical Map Scale	Possible Contour Interval	Vertical Classes (Limiting rms error, meters)		
CLASS 1	CLASS 2	CLASS 3	Scale	in Meters	CLASS 1	CLASS 2	CLASS 3
0.0125 0.0250 0.0500	0.0250 0.0500 0.1000	0.0375 0.0750 0.1500	1:50 1:100 1:200	0.0125 0.0250 0.0500	0.0021 0.0042 0.0083	0.0042 0.0083 0.0167	0.0063 0.0125 0.0250
0.1000 0.1250 0.2000 0.2500 0.5000 1.0000 1.2500 1.8750 2.0000 2.5000	0.2000 0.2500 0.4000 0.5000 1.0000 2.0000 2.5000 3.7500 4.0000 5.0000	0.300 0.3750 0.6000 0.7500 1.5000 3.0000 3.7500 5.6250 6.0000 7.5000	1:400 1:500 1:800 1:1,000 1:2,000 1:4,000 1:5,000 1:7,500 1:8,000	0.1000 0.1250 0.2000 0.2500 0.5000 1.0000 1.2500 1.8750 2.0000 2.5000	0.0167 0.0208 0.0333 0.0417 0.0833 0.1667 0.2083 0.3125 0.3333 0.4167	0.0333 0.0417 0.0667 0.0833 0.1667 0.3333 0.4167 0.6250 0.66667	0.0500 0.0625 0.1000 0.1250 0.2500 0.5000 0.6250 0.9375 1.0000 1.2500
5.0000 10.0000 12.5000 25.0000	10.0000 20.0000 25.0000 50.0000	15.0000 30.0000 37.5000 75.0000	1:20,000 1:40,000 1:50,000 1:100,000	5.0000 10.0000 12.5000 25.0000	0.8333 1.6667 2.0833 4.1667	1.6667 3.3333 4.1667 8.3333	2.5000 5.0000 6.2500 12.5000

<sup>50.0000 75.0000 1:100,000 25.0000 4.1667 8.3333 12.5000
\*</sup> indicates the practical limit for aerial methods - for scales above this line, ground methods are normally used.

<sup>1</sup> see Appendix A, Section A2.