





	<u>Nati</u> <u>Classificat</u>	onal Contr ion and Re	ol Network equired Accu	racy.
[	Required accuracy (95%) relatively to the nominal coordinates of the Permanent GPS Stations, in millimeters			
	Remarks	Vertical (ellipsoidal)	Horizontal	Level
	By SOI only	5 10 20	3 6 15	G0 G1 G2
	SOI & Private Surveyors	70 100	25 35	S1 S2
				5/16



	Class	National ( ification an	Control Ne nd Require	etwork ed Accura	acy.
	Required accuracy (95%) relatively to the nominal coordinates of the Permanent GPS Stations, in milling			e nominal n millimeters	Class/
	Remarks		Vertical (ellipsoidal)	Horizontal	Level
	Dr. C	OL enky	5	3	G0
	SOI & Private Surveyors		10	6	G1
			20	15	G2
			70	25	S1
			100	35	S2
	SOI &	Relatively to	10		Eı
	Private	the nearest G	20		E2
	Surveyors	point	50		E3
					7/1



- 11 I		,	Level
	$\sqrt{0.16+0.16D^2+4D}$	2.1	H <sub>L</sub> 1
	$\sqrt{1.0+0.25D^2+16D}$	4.2	H <sub>L</sub> 2
	$\sqrt{25+100D^2+100D}$	15	H <sub>L</sub> 3
	$\sqrt{50+225D^2+225D}$	22	$H_L4$
	$\sqrt{100+900D^2+2500D}$	59	H <sub>L</sub> 5
	w: D is	$ \sqrt{1.0+0.25D^{2}+16D}  \sqrt{25+100D^{2}+100D}  \sqrt{50+225D^{2}+225D}  \sqrt{100+900D^{2}+2500D}  w: D is the horizontal distance. $	$\sqrt{1.0+0.25D^2+16D}$ 4.2 $\sqrt{25+100D^2+100D}$ 15 $\sqrt{50+225D^2+225D}$ 22 $\sqrt{100+900D^2+2500D}$ 59   w: D is the horizontal distance.









## CONCLUSION

- The Israeli Survey Regulations published in June 1998, reflected its preceded technology innovations. It was the first time to mention GPS measurements in the survey regulations as well as digital photogrammetry, orthophoto and GIS.
- Conceptual revolutions which were enabled by the state of the art technology of permanent GPS stations dictated the need for new regulations.



