

Invitation to Tender No: ENTR/09/027 – Questions and Answers (#05)

Specifications:

#	Ref. §	Page	Reference Sentences	Question	Answer
1		50	<p>Resolutions:</p> <ul style="list-style-type: none"> - Horizontal: 1 arcsec (+/-30 m) posting (consistent with 1:100.000 scale for other (topographic) data themes); - Vertical overall resolution of 5m (95% confidence) 	<p>What does vertical resolution mean? Should we understand what is written (line 4) to mean: "any variation of 5m in Z along a 30m horizontal line should be properly described in DEM values (with 95% confidence)" ?</p>	<p>On following pages, the wording: "vertical resolution" should be replaced by "vertical accuracy": p. 33 line 24, p. 35 line 18</p> <p>On p. 50, under the topic resolutions: it should read: vertical unit: integer meter, and under the topic accuracies, it should read: vertical: overall accuracy of approximately 5 m RMSE or better.</p> <p>On p. 51, under the topic resolutions, one should add: "vertical unit: integer meter"; and replace ""vertical differential resolutions" by "minimum variation in Z between 2 adjacent posting values should be properly described in DEM values according to following differentiation:"</p>
2		50	<p>Accuracies:</p> <ul style="list-style-type: none"> - Horizontal: better than 5 m - Vertical: overall accuracy of 2 m RMSE 	<p>A vertical accuracy of 2m RMSE can only be handled by an optical satellite system within the announced time window. Only new satellite radar or air born systems could be capable of fulfilling the request.</p> <p>After the DEM Workshop in Stresa, requirements for an accuracy of horizontal 5m and overall vertical of 9-10m, with a resolution of 20m have been communicated as needed by the EC and the JRC, so I wonder why the requirements now have been changed in the vertical overall accuracy.</p>	<p>On the vertical accuracy see answer 1.</p> <p>During the workshop several different requirements have been expressed. There was no formal conclusive statement on a commonly agreed vertical accuracy specification. Anyway WS conclusions are only guidelines for future steps</p>