

Coordinates of Boundary Points in Norway

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SUMMARY

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This paper focuses on today's practice concerning cadastral surveying, and calculation of coordinates of cadastral boundaries, in Norway. Cadastral surveying is in Norway undertaken by a surveyor appointed by the municipality. The surveyors are obliged to follow relatively strict demands concerning measurements and computations, issued by the mapping authorities. However, these demands may be a bit outdated and not well adapted to the newest technologies. It will be discussed the need for making an adjustment computation with blunder detection and reliability analysis (which is now mandatory), when RTK-GNSS is the preferred measuring technique. This will be compared to practice in other European countries. It will further be discussed whether the surveyor preferably could be given more freedom to choose the optimal method of measuring and calculation of coordinates in each situation. This question is connected to the question of formal qualification requirements for the cadastral surveyor. Finally, it will be discussed the significance of the coordinates of the boundary points in the Norwegian cadastral system. This will also be compared with some other countries.