

Measured Surveys 3rd Ed Guidance – a Standard Specification for Land, Buildings and Utilities

James Kavanagh (United Kingdom)

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SUMMARY

The new 3rd edition places the relationship between client and surveyor at the heart of any survey contract and incorporates several new features and concepts. The new guidance note represents a complete root and branch review of the 1997 2nd ed. One of the primary changes from the second edition is the use of a ‘survey detail accuracy band table’, which takes into consideration client requirements for scale independent metadata and digital data handling environments. The ‘banding’ table features 1 and 2 sigma plan and height accuracy figures and minimum feature size as related to legacy scale. This has enormous potential for client education and in explaining the relationship between scale, accuracy, feature size and methodology. The ‘banding’ table is also applicable outside of the UK. This banding table is contained within a very in-depth section 2 Survey accuracy, control, coordinate grid and datum. This section focuses on survey control and drives home the need to retain classical survey best practice principles. Survey control network accuracy is dealt with (incorporating ppm principles) as is control output, maintenance and records. In such a fast moving and evolving technology driven environment this third edition is aimed at emphasising the importance of classical surveying and measurement good practice which will hopefully stand the test of time. This is considered particularly important in light of the growth of building information modelling (BIM) and its wider application to the built environment. Measured building survey has an enhanced section of extended output and feature tables. Topographic survey also gets a similar enhanced section. Utility, setting out and monitoring/deformation survey sections are also included. Another new concept within the new 3rd ed is the use of BIM (or more accurately Survey for BIM) as an output. The new 3rd ed really underlines the importance of ‘output’ within the context of measured survey and also features an extensive ‘deliverables’ section. This new 3rd edition also incorporates extensive ‘recommended good practice’ and ‘background information’ elements within highlighted boxes. The lecture will focus on the key message that a good, agreed and fit for purpose measured survey specification de-risks a project and must be seen as an essential pre-requisite by clients.