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AUTHORITATIVE GEO-INFORMATION
FRAMEWORK FOR EUROPE

QKen meeting in Ljubljana

Preparation for Group Work

April 2017

Group work – Creating a Data Quality Model

Definition

A quality model is a framework for measuring and presenting the quality of a spatial dataset. It contains a number of distinct parts some of which may not be applicable to some datasets. These are:

- An assessment of the quality requirements of the dataset usually expressed in terms of quality elements as defined in ISO 19157
- The identification of the evaluation methods, usually defined in terms of ISO 19157
- The identification of the metadata recording process defined as described in ISO 19115-1 or in a quality report.
In addition to this the model may include the following:
- Details of any additional methods used to control quality in the production flowline such as (but not limited to) validation tools, quality control, quality assurance or accreditation
- Details of any post flowline testing
- The required quality levels

Scenario

We have a completely new dataset, new editing solution and new database solution.

We are right at the beginning – no development has taken place yet.

Questions

- What would we do in order to create a Data Quality Model?

- What order would we do it in?

- What issues will we face?

- How will we overcome these issues?

- Are there any risks associated with this?

Outcome

- A methodology that we could apply to any dataset.

- If we have time then we could consider how this changes with datasets that are already under development or already exist.

- If we consider this useful then we may look to put it into the ISO19100 guidelines