IHO S-100 Working Group

Progress report on S-100 DCEG builder

KHOA

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Background

Inconsistency between DCEG and FC

DCEG and S-101 FC comparison (TSMAD29, 2015)

Related documents

- Report "a method of improving consistency.." (TSMAD29, 2015)
- Concept of DCEG editor and Prototype Development (S-100WG1, 2016)
- Progress on S-100 DCEG Builder Development (HSSC9, 2017)

Background

Request for a DCEG builder

NIPWG request (S-100WG2, 2016);

"The development of the S-123 DCEG... The current way to prepare the feature dictionary part has been considered as critical. <u>The NIPWG noted with interest</u> <u>the KHOA initiative to develop a tool which automatically produces the DCEG</u> <u>feature catalogue based on the Feature Catalogue Builder</u> ..."

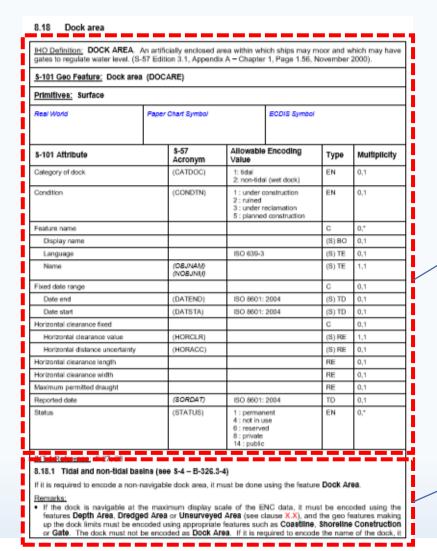
Data Classification and Encoding Guide (DCEG)

- The data product specification shall provide information on how the data is to be captured. This should be as detailed and specific as necessary. The product specification shall include this information for each identified scope.
- The product specification includes the collection criteria for mapping real world objects to the conceptual objects of the dataset... (S-100 3.0.0, 11-9)

Feature Catalogue

 A catalogue containing definitions and descriptions of the feature types, feature attributes, and feature associations occurring in one or more sets of geographic data

• DCEG



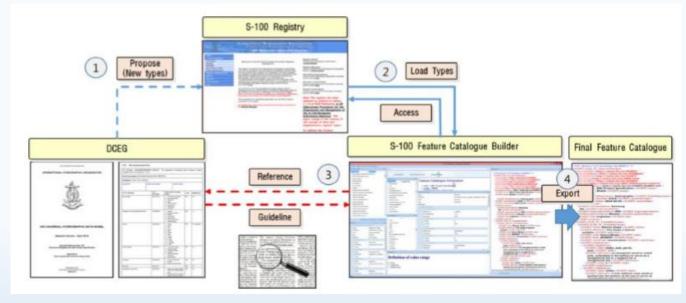
Part 1
Feature Catalogue

Part 2
Encoding guide

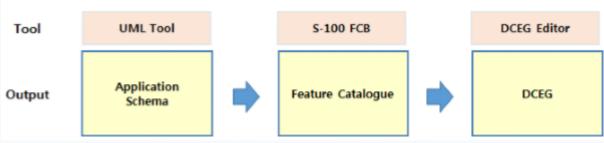


Harmonization Issue between DCEG and FC

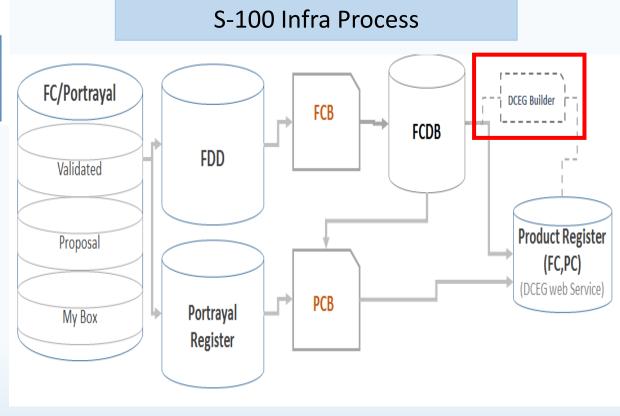
As DCEG and Feature Catalogue were made from different sources, it is natural
that there may be a few inconsistencies between the two items. As the current
FC creation process is to input and bind data by hand using S-101 FCB after
cognitive processes of DCEG, the output could include human errors

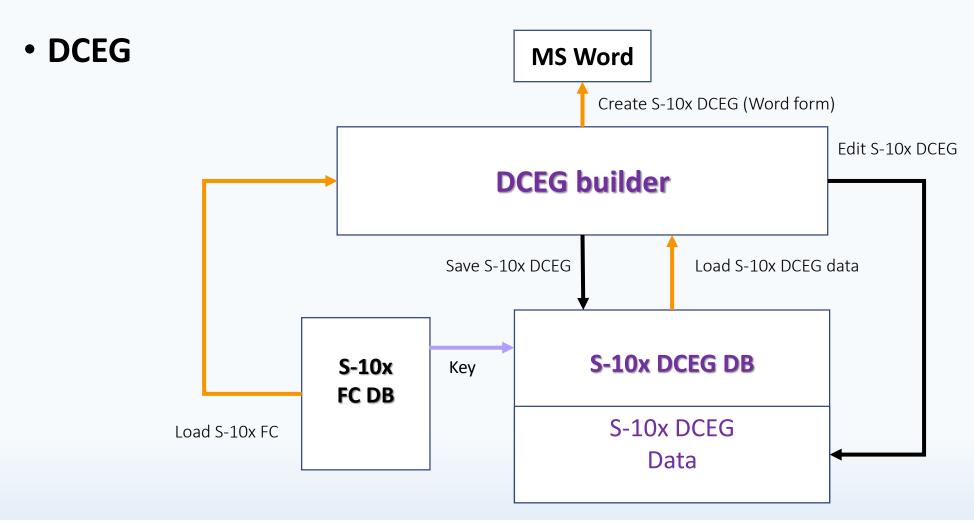


• DCEG



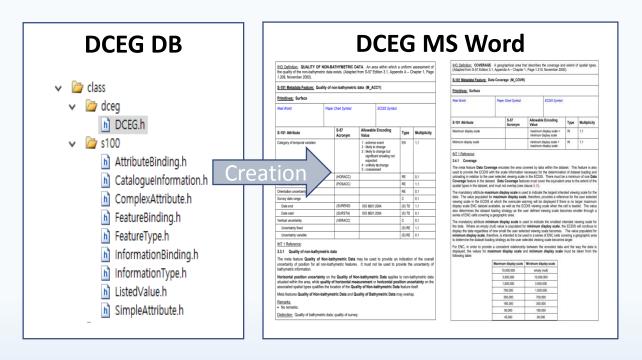
Process of the DCEG builder





DCEG functions

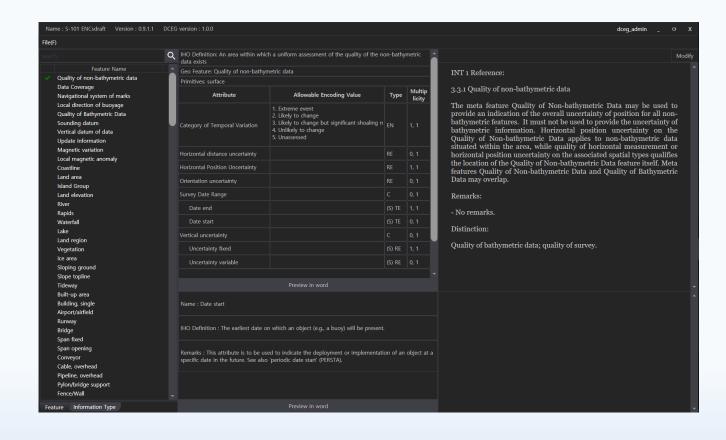
- Load Feature Catalogue (FC) from FC DB
- Save/Open DCEG DB
- Edit / Delete DCEG in DCEG DB
- Comparison between FC and DCEG
- Comments
- Export as MS word format
- etc ...



Demo

S-100 DCEG Builder





Action requested of S-100WG

- Note the report.
- Request to provide recommendations and feedbacks if any.