Blank Detail Specification

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Reuter, F
Generic Title

- Blank Detail Specification
- Alternative generic titles:
  - Computer-interpretable data sheets
  - Computer-interpretable product descriptions
  - Life-cycle requirements for data element types used for product descriptions
  - Infrastructure for computer-interpretable product descriptions
Actual situation

- No systematic known to describe life-cycle of products

- Actual product descriptions (produced using IEC 61360-4) are limited to “AS DELIVERED”, without stating it explicitly

- Focus from product suppliers to a very limited phase in the total life-cycle only
Problems encountered (1)

- Standards using different terms for the same concept
  - \textit{<Maximum voltage for a equipment>} (IEC 61939) versus
  - \textit{<Rated voltage>} (IEC 60694 series)
  - Such serving as obstacles for a consistent use by computers
  - A computer needs to know that the terms are synonyms for the same concept
Problems encountered (2)

- Terms used in the relevant Standard are the preferred ones due to the defined concept behind
  - Relevant to product liability
  - Defined Interdependency of properties

- The use of the IEV terms for DETs is not recommended; applicable if no other terms taken from Standards are available
Part 1- Collection of methodical requirements

- Reuse the same DET if representing the same concept;
- DET to be defined independently of any life-cycle;
- Avoid multiplying DETs for life-cycle requirements;
- Supports the use of additional features on demand;
- Computer-supported life-cycle processing from first state of specification via operation until end life-cycle;

- Data dictionary IEC 61360-4 serves as basis for expanding to a life-cycle approach.
Part 2 – Structure

- Provides a fixed generic structure of a product description independent of the type of product dealt with
- Structure helpful when preparing a product description
- Each clause comes along with a set of predefined DETs associated, serving as resource collection; open for expansion
- Does not provide product-type specific DETs; to be done by product committees, or industrial consortia
Items for discussion

- Where to store the required DETs evolving from Parts 1 and 2?
  - Embedded within each part?
  - Embedded within IEC 61360-4 data base?
  - Preferred within IEC 61360-4 data base

- New mechanism required?
  - Groups of DETS
  - Specific qualifiers from Part 1
  - Required functionality for life cycle approach available within DET schema IEC 61360-2?
Outlook

- Part 2: First CD of Part 2 available 1st Q 2008

- Future Part
  - Providing an XML template based on Part 2 for further work by committees or consortia
Thank you for your attention. Any questions?