Metrology Interoperability Consortium

5-22-2001

Measurement Data Sub-Committee
NMTB 5/22/01

Specify requirements data flow (output / input) and content of measured data structures.
Conformance with XML or other standards

- **Moving data out of the data acquisition device**
  - Data out of originating device
  - Mirror of input (CAD model or SPEC file)
  - Data record, (xyz ijk)
  - Comp. Tables, APP/vector, RET vector
    - thermal comp / tip comp / Name and label
  - Allow for missing data / records (X only, Y only)

- **Data pre-processing - how to evaluate the chain?**
  - Filters / raw
  - Pre-filter (mechanical or software)/ analysis filter feature re-construction method
- **Optical metrology**
  - systems touch probe / light / laser / image
  - Uncertainty / per point per axis

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- **Feature data (hole / pin / plane / slot)**

Information (Final geometric construction), raw data (xyz, ijk), uncertainty , machine dependant data

- **External system factors** (feature data) need to know what it is?
  Job of the record
  - Original feature
  - Planning / QA plan
  - Database development
  - Schema
- Leverage work of other groups / teams

<u>Goals: conformance tset</u>

- Re-analysis
- Database storage and Data schema
- Spc
- Results
- Uncertainty