




9. Discussion on the SI in the digital world

- Summarise the work to date of the ISO/ TC215 + / TC12 task force on Health informatics, Quantities & units.

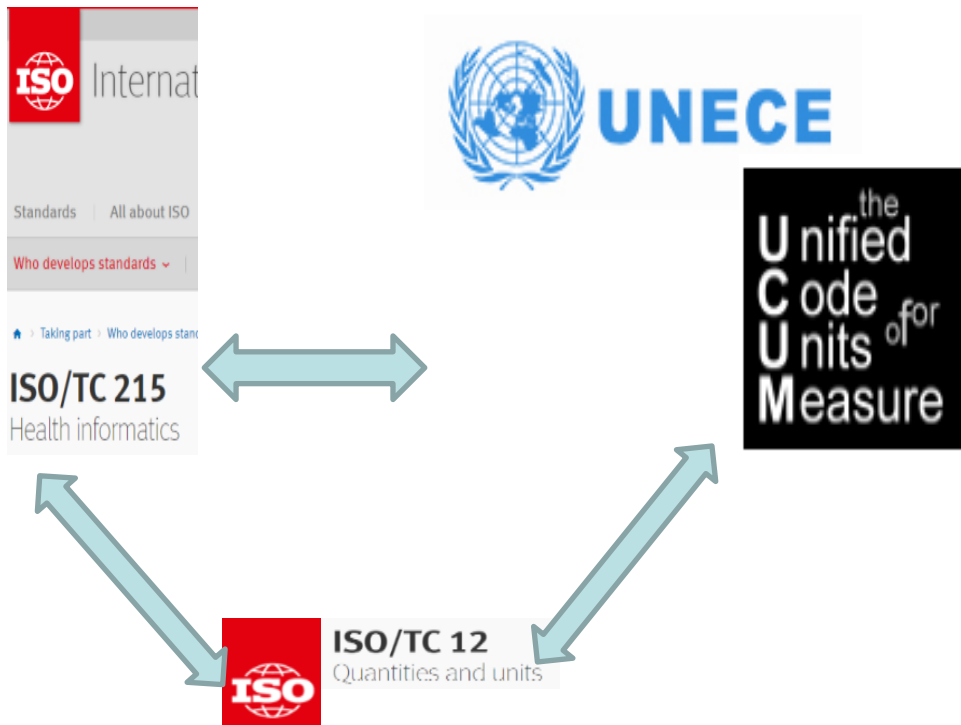


ISO/TC 215, ISO/TC 12

Quantities and Units in e-Health

GLOBAL SURVEY OF STANDARDS FOR
QUANTITIES AND UNITS USED/NEEDED IN
e-HEALTH

*Summary of Results, Recommendations
and Next Steps*





2.3 Perform an analysis of Gaps and Overlaps among and between standards

The Specific Standards Identified via the Survey, as confirmed by the TF and analyzed by the Drafting Committee are as follows:

- UCUM
- SNOMED CT and UCUM (THROUGH DICOM, HL7, IEEE 11073)
- The SI system for medical laboratory data
- IFCC-IUPAC recommendations
- Nomenclature for Properties and Unit (NPU-terminology.org)
- European Federation of Clinical Chemistry and Laboratory Medicine (EFLM)
- UN/CEFACT Recommendation No. 20

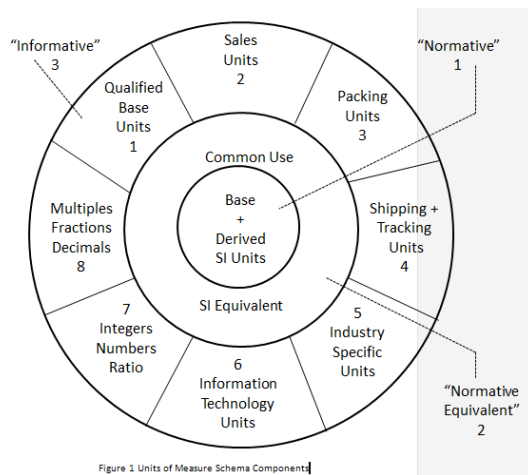
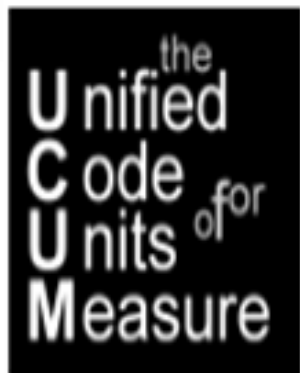


Figure 1 Units of Measure Schema Components



Follow-up project/Action items (Göteborg Spring 2019)

- Analysis performed by TF (23 members) in preparing report demonstrates importance of balancing representation of units of measurement for print and representation for semantic interoperability
- Suggest project that would support mapping of SI to UCUM. Check that UCUM is complete or missing elements SI system of Units, and include an initial risk assessment
- Begin effort to create maintenance process for review by TF.
- Set up safeguards to minimise the duplication of notation in standards on Quantities and units
- Explore creation of a Maintenance Authority from core recommendations involving UCUM Draft Global Survey of Standards for Quantities and Units
- Liaise with health informatics groups

