

Joint Nordic Implementation test project

<http://www.statkart.no/standard/jnip/>

- **Denmark**
- **Finland**
- **Iceland**
- **Norway**
- **Sweden**





Joint Nordic Implementation test project

Phase 1
Application schema
ISO 19100

Phase 2
Transfer of data
ISO 19118



19108 Temporal schema

- **19109 states that 19108 shall be used for temporal attributes**
- **19103 defines basic datatypes - e.g. Date, DateAndTime**



Change in 19109 to allow use of basic datatypes from 19103



19108 Temporal schema

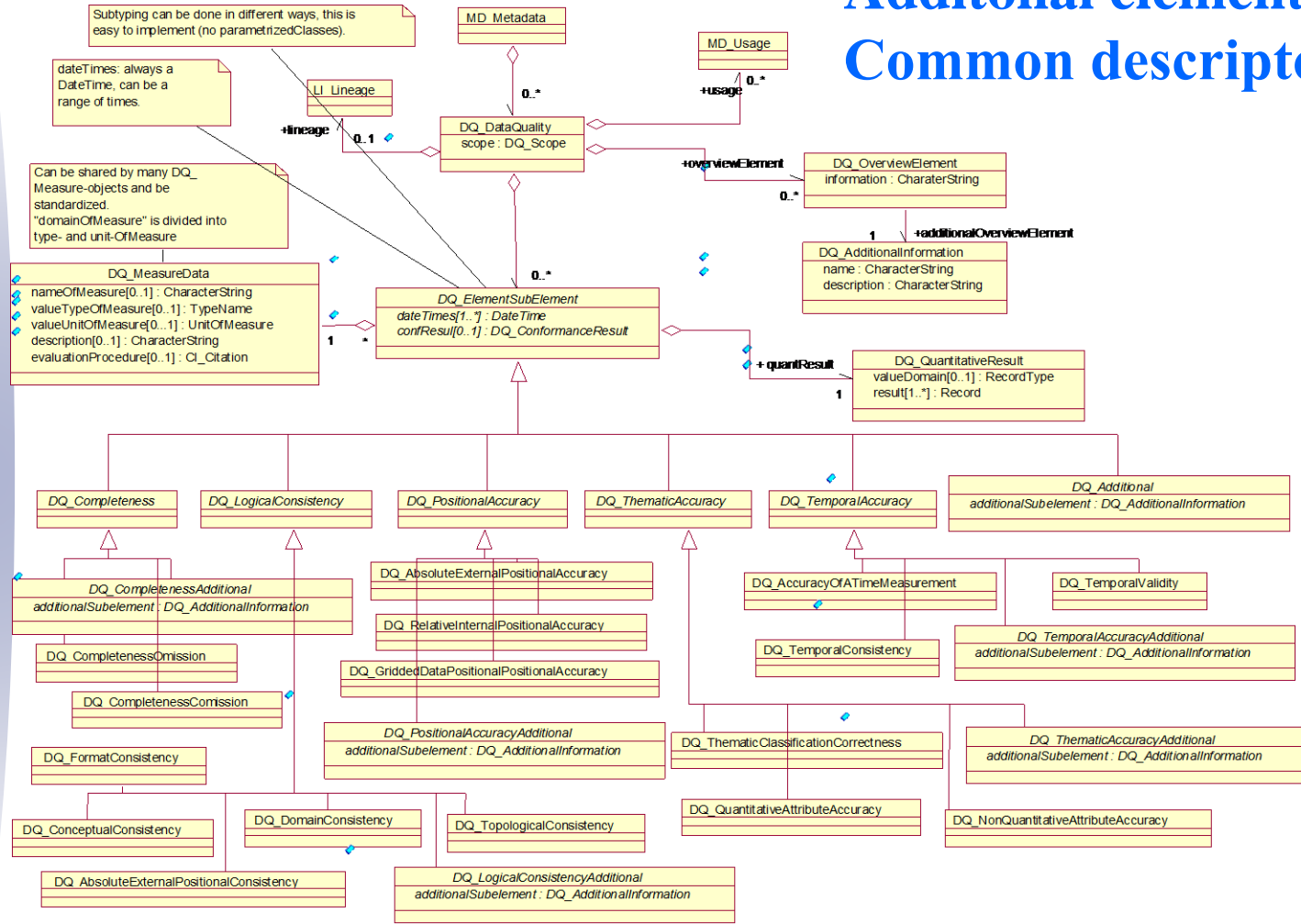
- **The UML-model in 19108 requires an explicit association between TM_Position and TM_ReferenceSystem**
- **In the text it is written that TM_Position & TM_Refsys only needed when other than Gregorian calendar and UTC**



**Improve writing in 19108 about
TM_Position & TM_ReferenceSystem**

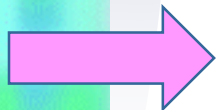
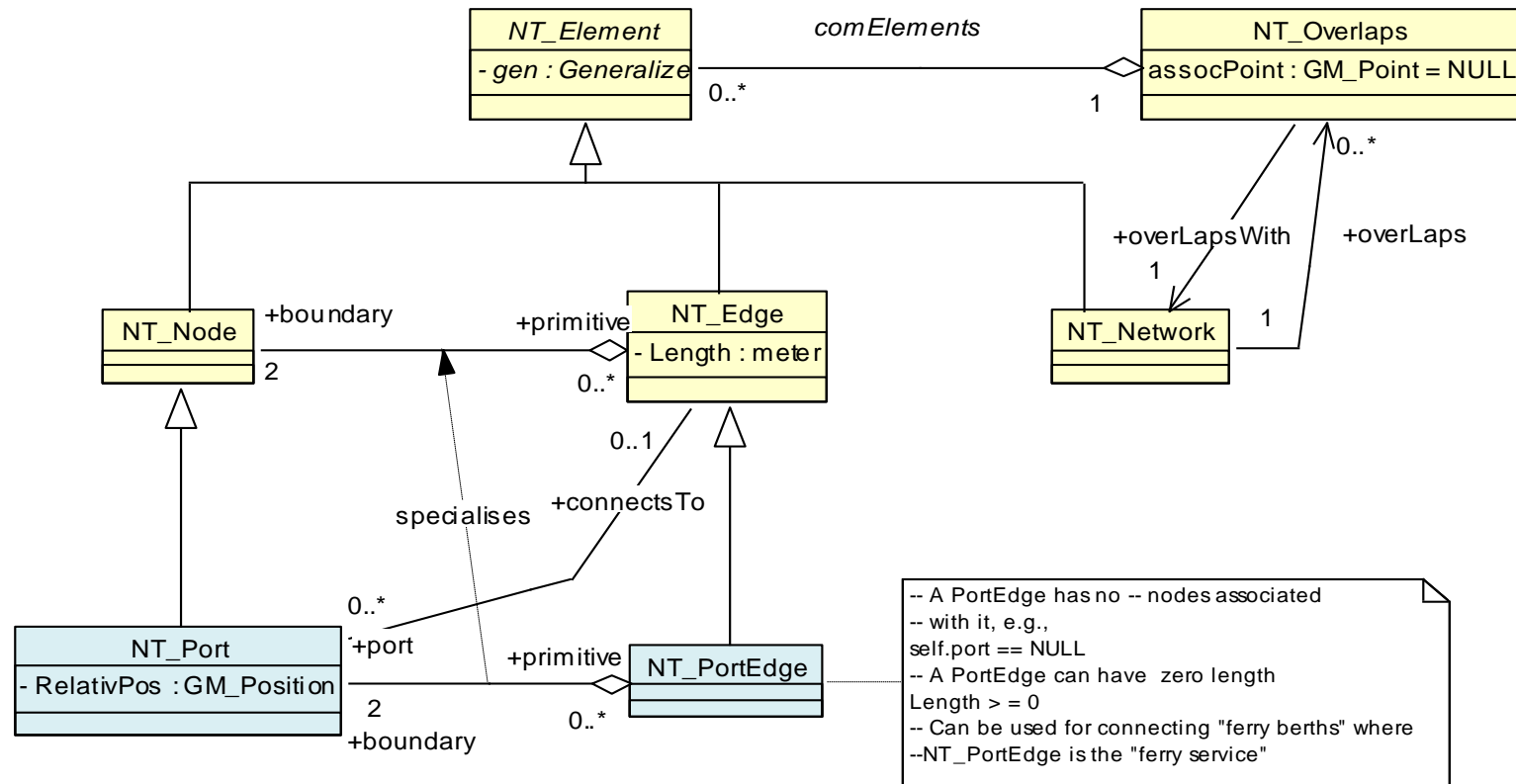
ISO 19115 Quality model

Additional elements Common descriptors”



ISO 19107 Spatil & 19106 Profile

- A profile needed: instantiable, restricts, extends

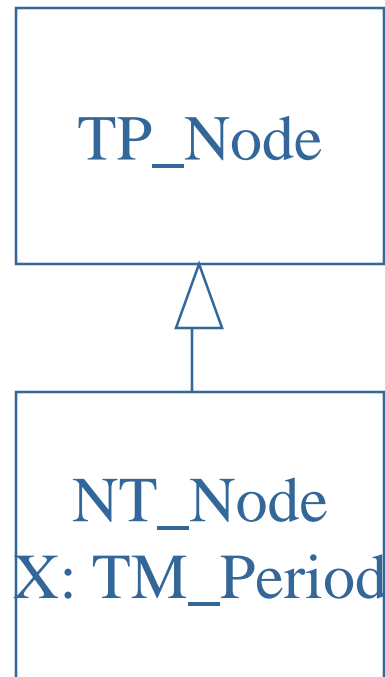


Specify what is allowed in a profile

19109 Rules for appl. schema

- The role of GFM unclear
- Model in UML and not following the "main rules" in 19109 - **A RISK!**

E.g.



Some conclusions Joint Nordic implementation project - phase 1

- **Useful**
- **Complex**
- **Harmonize ISO 19100**
- **Need more specific models**

