Joint Nordic Implementation test project

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

- Denmark
- Finland
- Iceland
- Norway
- Sweden
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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

Additonal elements
Common descriptors"
ISO 19107 Spatil & 19106 Profile

- A profile needed: instantiable, restricts, extends

Specify what is allowed in a profile

- A PortEdge has no nodes associated
- A PortEdge can have zero length
- Can be used for connecting "ferry berths" where NT_PortEdge is the "ferry service"
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.

```
TP_Node
```

```
NT_Node
X: TM_Period
```
Some conclusions Joint Nordic implementation project - phase 1

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