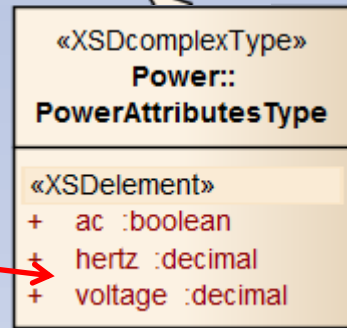
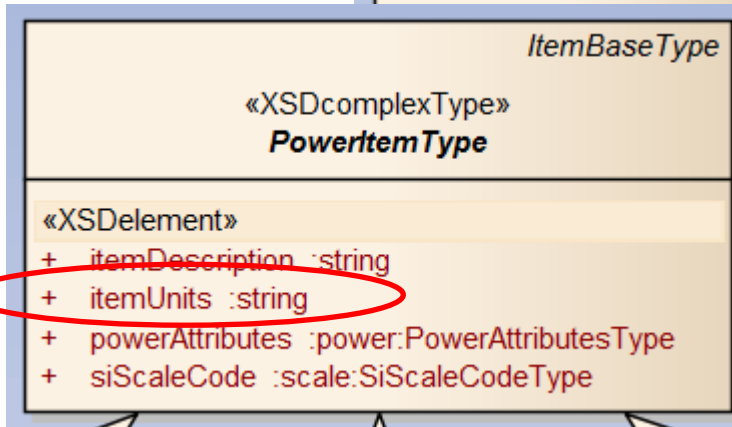
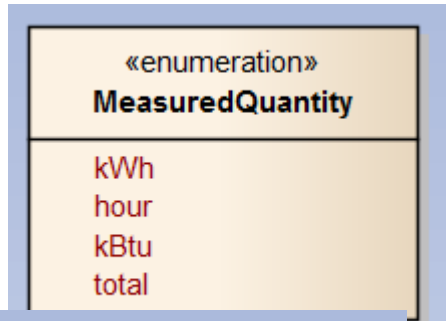


# Thoughts on Modeling of Units in the Smart Grid

Steve Ray



Pick one:  
QuantityKind  
(e.g.frequency, voltage)  
or  
Unit  
(e.g. hertz, volts)

As a general practice within smart grid standards:

- Units are modeled as type “string”
- Relationship among units is not modeled
- QuantityKind and Units are confused at times
- A referenceable, computer-interpretable, international standard for quantities and units of measure would help a lot