Property Access

- Inside/outside constrain which occurrences have access to property values.
  - Inside = occurrences of behaviors owned by class owning the property, or its specializations.
  - Outside = not inside.

- Applies to all instances of class owning property.
  - Specializations cannot remove permissions.
  - Specializations can add when access is not “only”.

- InsideAccess
  - InsideAccessKind «enumeration»
    - Value = only (and nothing else) is no access. Chas: More obvious way to say this?
    - Default: no values for access (unknown).
    - Does this mean full access or no access? Strict policy would be no access.

- OutsideAccess
  - [0..2]
Inputs & Outputs

- In/outputs properties are always owned (attrs).
  - Can’t indicate I/O directly on Property (why not?).
- in/outputProperty not derived, some
  - inside write & outside read are not “outputs”, eg, temperature.
  - outside write & inside read are not “inputs”, eg, system operator.
- Use SysML flow property notation?
- See usage in item flows:
  - Behavior “parameters”.
  - Participant “end points”.

Metamodel (M2)

Chas: M1 model?