# General Review Strategy

* Start at root element, review sub-elements top-down.
* Review any referenced types defined in the same schema file, or in Common.xsd, as we go. Defer review of referenced types define in other schema files.
* Mark each type as reviewed as we go.

# Complex Types

* Review the naming of the complex type itself if it is named.
* Is the complex type documentation present, complete, and correct?
* Review the ordering of sub-elements within the sequence.
* Review the naming of sub-elements within the sequence.
* Is the sub-element optional (minOccurs=”0”)?
* Can the sub-element repeat (maxOccurs=”N”, maxOccurs=”unbounded”)?
* Is the sub-element documentation present, complete, and correct?
* Are there any choices, and are they correct?
* Review the type of each sub-element if it is locally defined in the same schema file (either as a named or anonymous type).
* Consider whether the type should be changed from named to anonymous, or vice-versa. Named types are useful for several purposes: 1) re-use, 2) avoiding too much nesting of anonymous types, which makes the schema hard to read, 3) modularity.

# Simple Types

* Review the naming of the simple type if it is named.
* Is the simple type documentation present, complete, and correct?
* Is the base type correct?
* Are the restrictions correct?
  + base=”string”
    - pattern
    - length
    - minLength/maxLength
    - enumeration (see Enumerated Types)
    - whiteSpace
  + base=”decimal”
    - minInclusive/maxInclusive
    - minExclusive/maxExclusive
    - totalDigits
    - fractionDigits
  + base=”integer”
    - totalDigits

# Enumerated Types

* Review the naming of the enumerated type if it is named.
* Is the enumerated type documentation present, complete, and correct?
* For each enumerated value:
  + Is the naming correct?
  + Is the documentation present, complete, and correct?
* Are all required enumerated values present?
* What should the maxLength restriction be set to (i.e. the max length of all expected enumerated values).