PENIE

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What is it

• An addition of an Option information element that allows a URI pointer to registry description

• Create a definition of the registry that collectors can process
How to build it

• Option IE is easy: define a new number, and allow a URI inside a variable length element
• Define the registry for describing IE’s
Registry Properties

- Obvious
  - Element names
  - Private enterprise number
  - Description
  - Data type
  - Version
Registry Properties

- Semantic type
- Units
- Structured data types
  - Structured data relationships
- Business and policy types of entries
Other functions

• Need to be able to deprecate elements
• Transfer elements from PEN to IANA
• Reuse IE numbers with history information?
• Want a collector to be able to decode things from today, 1 year ago, 5 years ago, etc.