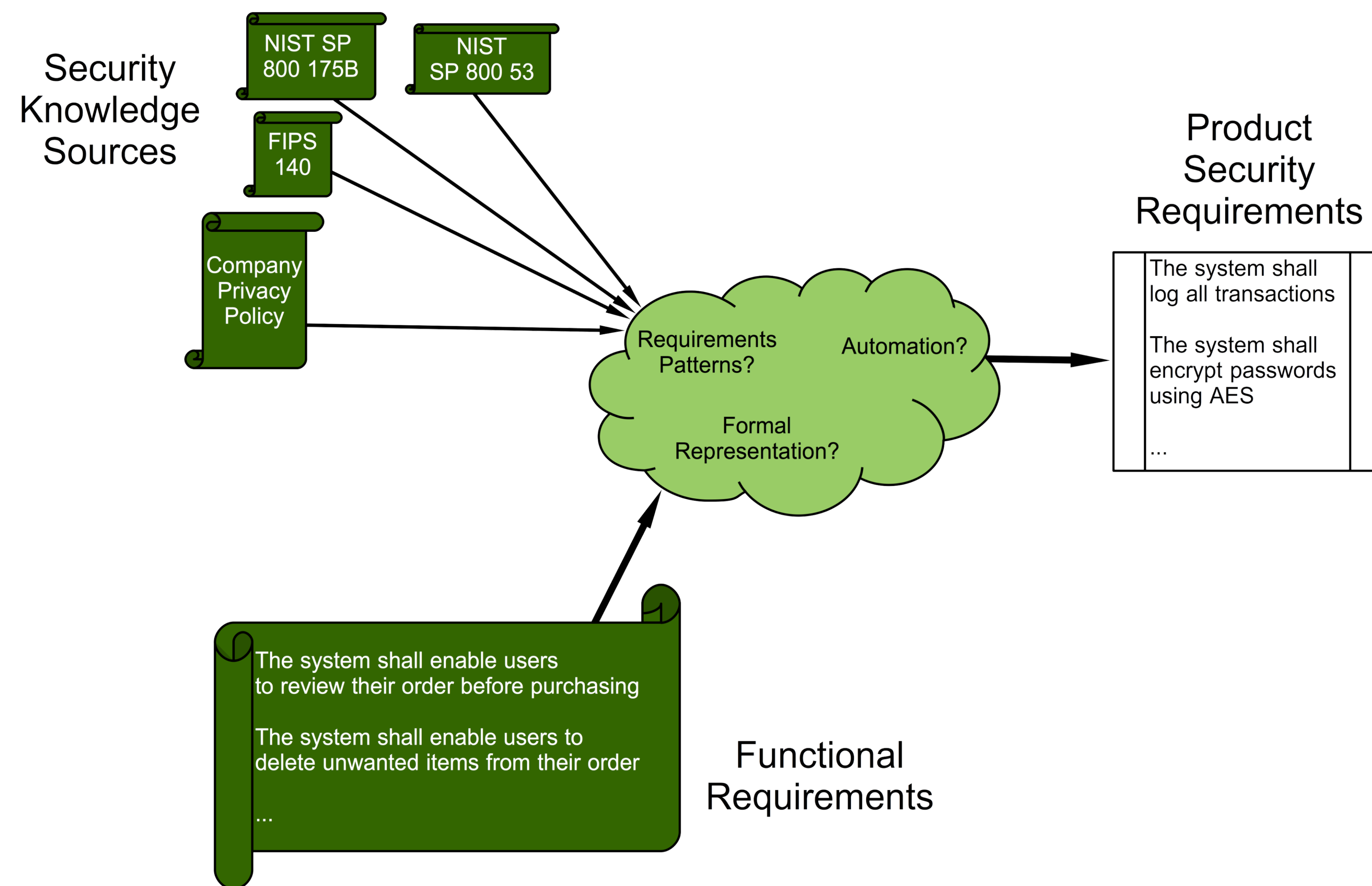


Identifying and Consolidating Security Requirements from Regulatory Documents



Different Approaches

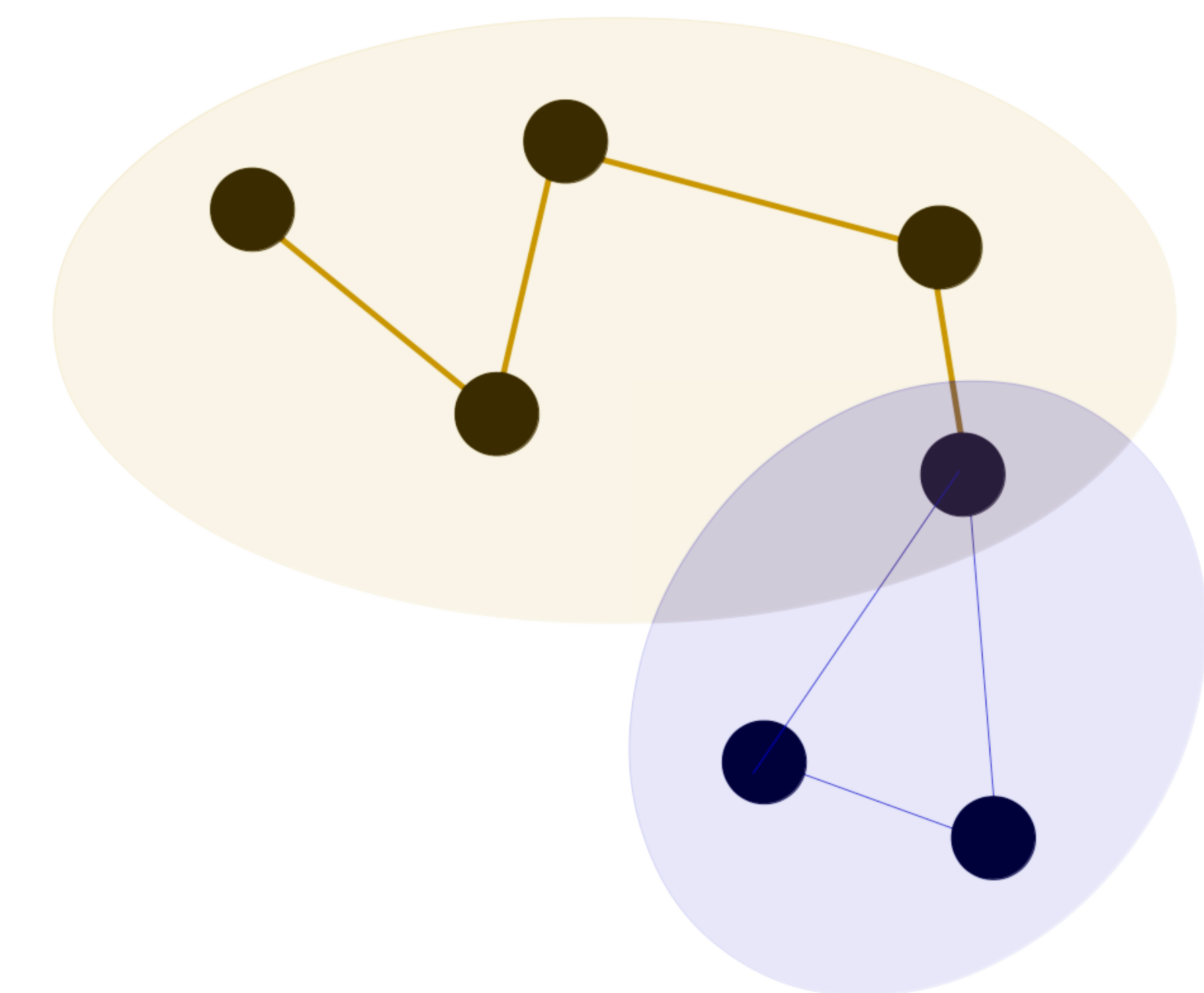
Define Relatedness

- Internal (e.g. co-occurrence, definitions)
- External (e.g. WordNet, Wikipedia links)

Distance Measures

- Graph-based
- Feature-based
- Levenshtein

Not Comprehensive!



Evaluation

Criteria

- How long does the analysis take?
- How accurate are the results? (precision & recall)
- How complicated is the approach?

Baseline

- Other approaches as described in the literature
- Industry Mappings, Best Practices

Goal

To assist analysts in developing security requirements that address the security concerns given in regulatory documents by aggregating and extracting information from these documents using Natural Language Processing

Research Products

- Systematic Literature Review
- Analysis of Prototype