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| **Crime Analysis Ontology Specification** | |
| **1** | **Purpose** |
|  | *Provide the data structure to make crime analysis on information coming from several data sources.* |
| **2** | **Scope** |
|  | *The general coverage and the degree of detail that the ontology should have.* |
| **3** | **Implementation Language** |
|  | *OWL 2 Web Ontology Language Manchester Syntax (convenient for collaboration), converted to RDF/XML (wide tool support)*  crime\_analysis.omn |
| **4** | **Intended End-Users** |
|  | *Criminal Prosecutors* |
| **5** | **Intended Uses** |
|  | * *Make uniform the data coming from heterogeneous data sources (e.g. for the purpose of hybrid search)* * *Identify cybercrime patterns. (suspicious groups, individuals and activities)* |
| **6** | **Ontology Requirements** |
|  | **a. Non-Functional Requirements** |
|  | * *Ontology should reuse concepts from widely used ontologies (preferably W3C or other standard ontologies).* * *Every concept in the ontology should be documented at least in German* |
|  | **b. Functional Requirements: Groups of Competency Questions** |
|  | * *Types of crimes* * *Resources (e.g. guns, bank accounts, …)* * *Victims* * *Crime Organization’s Structure.* |
| **7** | **Pre-Glossary of Terms** |
|  | **a. Terms from Competency Questions** |
|  | *The list of terms included in the competency questions and their frequencies.* |
|  | **b. Terms from Answers** |
|  | *The list of terms included in the answers and their frequencies.* |
|  | **c. Objects** |
|  | *The list of objects included in the competency questions and in their answers.* |