Data Dictionary

# Description:

This document includes:

* Data structures for *D1. Knowledgebase* data store.
* Process specifications for *5. Add knowledge* process and its sub processes.
* Data flows used for process 5 and its sub processes.

# Revision:

|  |  |  |  |
| --- | --- | --- | --- |
| Author | Description | Version | Date |
| Thi Nguyen Tran | Add this document | 1.0 | 17/11/2010 |

# Content

## D1.Knowledgebase

Knowledgebase = Attack Knowledge +

Vulnerability Knowledge

Attack Knowledge = {Predicate} +

{Implication} +

{Hyper Alert}

Predicate = Name +

{Argument}

Argument = ID +

Position +

Type +

Name

Implication = Implying Name +

Implied Name +

{Arguments Map}

Arguments Map = Implying Argument ID +

Implied Argument ID

Hyper Alert = Name +

{Fact} +

Protocol +

Prerequisite +

Consequence

Fact = Name +

Type

Protocol = Name

Prerequisite = {Predicate}

Consequence = {Predicate}

Vulnerability Knowledge= ….

# Data Flows

Domain knowledge from experts will be in xml files or a piece of data getting from user interface.

Domain knowledge has the same structure with Knowledgebase in *Knowledgebase* data store.

## 5. Add knowledge

* Process 5:
  + Get domain knowledge from experts
  + IF input is xml file THEN parse file
  + Save corresponding data to database.