**Template code review**

**Overview**

Description of the piece of code being reviewed

**Goals**

**Usage Scenarios**

**Class Diagrams**

**Code**

It could be a link to the frozen code in the repository

**Categories for review**

1. Design decisions

Example:

[1.1] NameTTT: You should use HASH\_TABLE for 'yyy’ instead of ARRAY.

[1.1.1] Owner: the decision of using ARRAY is based on the fact that ARRAYs are lighter than HASH\_TABLES

[1.1.2] NameTTT: That might be true, but you are compromising execution time, 'yyy' is used to perform several searches. Having a HASH\_TABLE one can have constant complexity in searching

[1.1.3] Owner: Ok, I will change the design and implementation. [CLOSED]

1. *API design*
2. Architecture (including inheritance hierarchy, if any)
3. Implementation techniques, in particular choice of data structures and algorithms
4. Contracts
5. Programming style, names
6. Comments and documentation

**1. Design decisions**

**2. API design**

**3. Architecture (including inheritance hierarchy, if any)**

**4. Implementation techniques, in particular choice of data structures and algorithms**

**5. Exceptions handling - Contracts**

**6. Programming style, names**

**7. Comments and documentation**