Template for
Developing AHIC Use Cases

Version 2.0
December 11, 2005

Office of the National Coordinator for
Health Information Technology (ONC)
Preface: How to use this template

This document is a template designed for the purpose of standardizing the use cases that will be submitted as to ONC. This document contains instructions and guidelines which are written in blue italicized font. These should be deleted when using the template to create the final deliverable.

The black unitalicized text represent headers that should remain as you convert the template to the use case. In some pages you will find double brackets with indicated titles or words inside, for example <<Name goes here>>. You should delete the brackets for your final draft and insert the appropriate information in the suggested font.

Finally, this preface should be deleted.

1. Use Case Revision History Table

<table>
<thead>
<tr>
<th>Version Number</th>
<th>Description of Change</th>
<th>Name of Author</th>
<th>Date Published</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify V#</td>
<td>Provide details of each update here to help others in the organization follow changes</td>
<td>Name of the person who actually made the changes</td>
<td>Date the version was finalized</td>
</tr>
</tbody>
</table>

Assigning Versions Numbers should be done in a consistent manner. Each major new version of a document should be assigned a new Version Number (i.e., V1.0, V2.0, V3.0, etc).

Every minor adjustment made to the document should result in an increased sub-version number represented by the number following the decimal point (i.e., V1.1, V1.2, V1.3, V1.4, V1.5, etc).
2. Description of Use Case
<< This section should include a description of the use case in enough details to provide context for the entire overview section. This is not meant to be a technical description; it should describe the process. Keep in mind that the primary audience for this section is the health care professional.>>

3. Scope of Use Case
<< This section should describe the scope of the use case. If the scope will be addressed in phases of the project, that detail must be outlined in this section. Scope should be address in two terms – what is to be included and what is to be excluded from this use case>>.

4. Stakeholders for Use Case
<< This section should list all primary actors involved in the use case and individuals and entities outside of the use case that will also be affected by the processes in the use case.>>

5. Preconditions for Use Case
<< This section should list all things that must be in place before the start of the use case. This can include, but is not limited to, the state of an actor, data that must be available somewhere or an action that must have occurred. This section should also include triggers for the initiation of the use case and discussions of important assumptions made about the use case during its development.>>

6. Obstacles to Implementation of Use Case
<< In this section, obstacles and risks to implementing this use case should be listed. These obstacles should be at a level of abstraction, such that they reflect obstacles to achieving the use case (i.e., limited physician access to computing device), as opposed to issues internal to the process that should represent an alternate flow (i.e., drug ordered has potential interaction with existing patient medication).>>

7. Postconditions for Use Case
<< This section should list all things that will be a result or output of the use case. This can include but is not limited to the state an actor will be in upon conclusion of the use case, data that will be created or now available, and actions that will be required>>
8. Detail of Use Case Perspectives and Scenarios

This section will describe the use case from the variety of entity-driven perspectives. If you are using scenarios, you need to implement the perspective material for each scenario. Each perspective will be described briefly and be accompanied by a table that includes an enumerated sequence of events and actions. Perspectives may contain alternate paths which are variations on the main sequence of events. Exceptions, or what happens when things don’t go as planned, may also be described, either within the alternate paths or in a section on their own. The alternative paths make use of the numbering of the basic course of events to show at which point they differ from the basic scenario, and if appropriate where they rejoin. The intention is to avoid repeating information unnecessarily.>>

The following entity-driven perspectives will be part of the use case:

1. <<Perspective Name>>
2. <<Perspective Name>>
3. <<Perspective Name>>
4. <<Perspective Name>>

Below is a visual illustration of use case flow:
<<Insert illustration(s) here>>

**Coding Convention for Sequence of Events and Actions**

The numbering convention for the use-case table is a string of four digits, separated by periods (i.e., 1.1.1.1)

The first digit reflects the number for the three breakthrough/use cases and will be a 1, 2, or 3.

Example 1.0.0.0, reflects the Biosurveillance breakthrough/use case
Example 2.0.0.0, reflects the consumer empowerment breakthrough/use case
Example 3.0.0.0, reflects the EHR breakthrough/use case

If you are implementing scenarios, please implement a letter for each scenario in each use case:

Example 1.a.0.0.0, reflects the first scenario for the Biosurveillance use case
Example 1.b.0.0.0, reflects the second scenario for the Biosurveillance use case

The second digit reflects the entity-driven perspective.

Example 1.1.0.0, reflects the biosurveillance breakthrough/use case, perspective #1
Example 1.2.0.0, reflects the biosurveillance breakthrough/use case, perspective #2
Example 1.3.0.0, reflects the biosurveillance breakthrough/use case, perspective #3

The third digit indicates the number of the event, which will occur sequentially

Example 1.1.1.0, reflects the biosurveillance, perspective #1, first event
Example 1.1.2.0, reflects the biosurveillance, perspective #1, second event
Example 1.1.3.0, reflects the biosurveillance, perspective #1, third event

The fourth digit indicates the number of the action.
Example 1.1.1.1, reflects the biosurveillance, perspective #1, first event, first action
Example 1.1.1.2, reflects the biosurveillance, perspective #1, first event, second action
Example 1.1.1.3, reflects the biosurveillance, perspective #1, first event, third action
### 1.1 <<Name of First Perspective>>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1.0</td>
<td>Event: &lt;&lt;Brief description of first event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the first event&gt;&gt;</td>
</tr>
<tr>
<td></td>
<td>Action: &lt;&lt;Brief description of action&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the action&gt;&gt;</td>
</tr>
<tr>
<td>1.1.2.0</td>
<td>Event: &lt;&lt;Brief description of second event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the second event&gt;&gt;</td>
</tr>
<tr>
<td></td>
<td>Action: &lt;&lt;Brief description of action&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the action&gt;&gt;</td>
</tr>
<tr>
<td>1.1.3.0</td>
<td>Event: &lt;&lt;Brief description of third event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the third event&gt;&gt;</td>
</tr>
<tr>
<td></td>
<td>Action: &lt;&lt;Brief description of action&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the action&gt;&gt;</td>
</tr>
<tr>
<td>1.1.4.0</td>
<td>Event: &lt;&lt;Brief description of fourth event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the fourth event&gt;&gt;</td>
</tr>
</tbody>
</table>

### 1.2 <<Name of Second Perspective>>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.1.0</td>
<td>Event: &lt;&lt;Brief description of first event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the first event&gt;&gt;</td>
</tr>
<tr>
<td></td>
<td>Action: &lt;&lt;Brief description of action&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the action&gt;&gt;</td>
</tr>
<tr>
<td>1.2.2.0</td>
<td>Event: &lt;&lt;Brief description of second event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the second event&gt;&gt;</td>
</tr>
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</tr>
<tr>
<td>1.2.3.0</td>
<td>Event: &lt;&lt;Brief description of third event&gt;&gt;</td>
<td>&lt;&lt;Any comments or explanatory text regarding the third event&gt;&gt;</td>
</tr>
</tbody>
</table>