*[Basic Test Suite/Test Report Template]*

***[****As a* ***Creator*** *actor’s participant, you can use this proposed template to build your* ***Test Suite****. If you have your own company templates for test suites you can use them instead. Once the* ***Consumer*** *actor’s participant**has completed the testing, the test suite becomes a* ***Test Report****.*

*The following formatting conventions are used in this template to guide the authors:*

* *Include, without modification, text shown in* ***regular font*** *(i.e. non-italic). Such text is standard “boilerplate” like introductions to sections, tables headers, etc.*
* *Remove text shown in* ***italic font*** *and* ***[enclosed by square brackets]****. Such text provides instructions to the test suite / report authors on how to use this template. The text may be retained until the author has no further use for it but should be removed before submission of the Test Report.*
* *Either remove text shown in* ***italic font*** *or modify it appropriately and change it to regular font. Such text is example text that may provide typical phrasing, examples of the types of topics that might be addressed in a certain section.*
* *Replace text* ***<enclosed in angle brackets>*** *with appropriate text. Such text is a placeholder for variables like the product name for example. Remove the < > characters when replacing the text.*
* *Replace text* ***<<enclosed in double angle brackets>>*** *with a single value from the enclosed list. Such text provides a list of alternatives such as Test Suite or Test Report. Remove the << >> characters when replacing the text.****]***

*<<Test Suite, Test Report>> <Test input name>*

# Revision

| Date | Author | Test Suite / Test Report | Description / Test Instance link |
| --- | --- | --- | --- |
| *<Creation date of the test suite>* | *<author of the test suite>* | Test Suite | Initial version of the test suite |
| *…* | … | … | … |
| *<Creation date of the test report>* | *<author of the test report>* | Test Report | Initial version of the test report  Test Instance link in Gazelle: *<link>* |
| … | *…* | *…* | … |

# Purpose

*[provide the objective of the test (i.e. Shared Test Inputs notes)]*

# Products identification

## Creator product

*<Brand, Product Name, Version>*

*[Give a brief description of the product]*

## Consumer product

*[This section is to be filled in the Test Report by the Consumer. Keep as is in the Test Suite]*

*<Brand, Product Name, Version>*

*[Give a brief description of the product]*

# Test Input: <Name of the test input in Gazelle Test Management>

Permanent link to the test input in Gazelle: <link>

*[give an overview of the Test Input. Fill in the structure in the table below]*

## Shared test input structure:

| Patient ID | Study IUID | Series IUID | Number of instancesor file names | Description | SOP Class UID(s) |
| --- | --- | --- | --- | --- | --- |
| *<PatientID-1>* | *<StudyIUID-1>* | *<SeriesIUID-1>* | *<<<number of instances>, <file name>>>* | *<study/series description> [add additional info if necessary]* | *<SOP Class UID(s) present in this series>* |
|  |  | *<SeriesIUID-n>* | *<<<number of instances>, <file name>>>* | *<study/series description> [add additional info if necessary]* |  |
|  | *<StudyIUID-n>* | *<SeriesIUID-1>* | *<<<number of instances>, <file name>>>* |  |  |
|  | *…* | *…* | *…* | … |  |
| *<PatientID-n>* | *<StudyIUID-1>* | *<SeriesIUID-1>* | *<<<number of instances>, <file name>>>* | *<study/series description> [add additional info if necessary]* |  |
|  |  | *<SeriesIUID-n>* | *<<<number of instances>, <file name>>>* | *<study/series description> [add additional info if necessary]* |  |
| *…* | *…* | *…* | *…* | *…* |  |

# Test Script

| **Step** | **Action** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- |
| *[Instructions]* | | | | |
| *[Completed by the* ***Creator*** *Unique number for each step]* | *[Completed by the* ***Creator****Indicate what action must be performed by the Consumer. Add any necessary test details. Keep Actions clear and concise**As necessary add any assumptions or preconditions that must be met prior to test step execution]* | *[Completed by the* ***Creator****The Expected Result describes the outcome of the Action**This is how the Consumer determines Pass/Fail**Include or reference screen captures as necessary]* | *[Completed by the* ***Consumer****Describe the actual outcome of the Action**Include or reference screen captures and specific Test Input as necessary]* | *[Completed by the* ***Consumer****If the Actual Result matches the Expected result, mark as* ***Pass****If the Actual Result does not match the Expected result, mark as* ***Fail*** *Mark step “not applicable” (****N/A****) based on Consumer application functionality]* |
| Import*[The test steps below are a typical example for import. These must be adapted or removed according to the features of the Creator]* | | | | |
| *#1* | *Import Test Items into Consumer application* | *Test items can be imported (SOP classes / Transfer syntaxes are supported by the Consumer application).*  *if one of the SOP class / Transfer syntax is not supported by your application, mention it in Actual Result. Provide a link to your DCS* |  |  |
| *#2* | *Check the Study/series/instances hierarchy in the consumer application* | *Study, Series Image hierarchy is as described in the “*[*Test Input structure table*](#_heading=h.gjdgxs)*”* |  |  |
| *#3* | *Navigate through the test input in the consumer application* | *Next/previous image/frame/series navigation behaves correctly within the Consumer application* |  |  |
| *Image display**[The test steps below are a typical example for display. These must be adapted or removed according to the features of the Creator. The Creator may want to ask the consumer to use specific display options (resolution, and so on).]* | | | | |
| *#10* | *Thumbnail view into the Consumer display* | *Thumbnails are representative of the image content and displayed default window/level values* |  |  |
| *#11* | *Real world values view into the Consumer display* | *Real world values (e.g. SUV, HU) are displayed per Real World Value Mapping Module* |  |  |
| *#12* | *Color images view into the Consumer display* | *Color images are successfully displayed* |  |  |
| *#13* | *Grayscale image view into the Consumer display* | *Grayscale images display VOI LUT or window values supplied in the DICOM attributes* |  |  |
| *#14* | *Play with Window levels into the Consumer display* | *The grayscale contrast adjusts smoothly and continuously without sudden discontinuities or sudden loss of quality in the very dark or light regions* |  |  |
| *#15* | *Pixel padding into the Consumer display* | *Stored pixel values between Pixel Padding Value and Pixel Padding Range inclusive are displayed as black and not windowed* |  |  |
| *#16* | *DICOM SR view into Consumer display* | *Report content is successfully displayed* |  |  |
| *#17* | *Patient demographics / exam Annotations view on the images into the Consumer display* | *Standard annotations are displayed*   * *Name* * *Patient ID* * *Sex* * *Institution* * *Study ID* * *Accession* * *Series* * *Series Description* * *Acquisition Date and Time* * *Slice Location* * *Table/Image position* * *Contrast injections* * *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_* |  |  |
| *#18* | *Cross reference lines view into the Consumer display* | *Cross reference lines are successfully displayed* |  |  |
| *#19* | *DICOM overlays view into the Consumer display* | *Overlays are successfully displayed* |  |  |
| *#20* | *Play with the available display tools into the Consumer display* | *Display tools are successfully applied to the Test Inputs*   * *Zoom* * *Pan* * *Scroll* * *Measurement* * *Crosshair* * *Flip / Rotate* * *Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* |  |  |
| *#21* | *…* | *…* | … | … |
| *<additional Feature/Functional area>* | | | | |
| *#n* | *…* | *…* | … | … |
| *#n+1* | *…* | *…* | … | … |
| *…* |  |  |  |  |
| Overall Comments*[to be provided by the Consumer in the test report]* | | | | |
| *[provide the overall status for the test and the identified limitations / incompatibilities as well as questions for the creator if necessary]* | | | | |