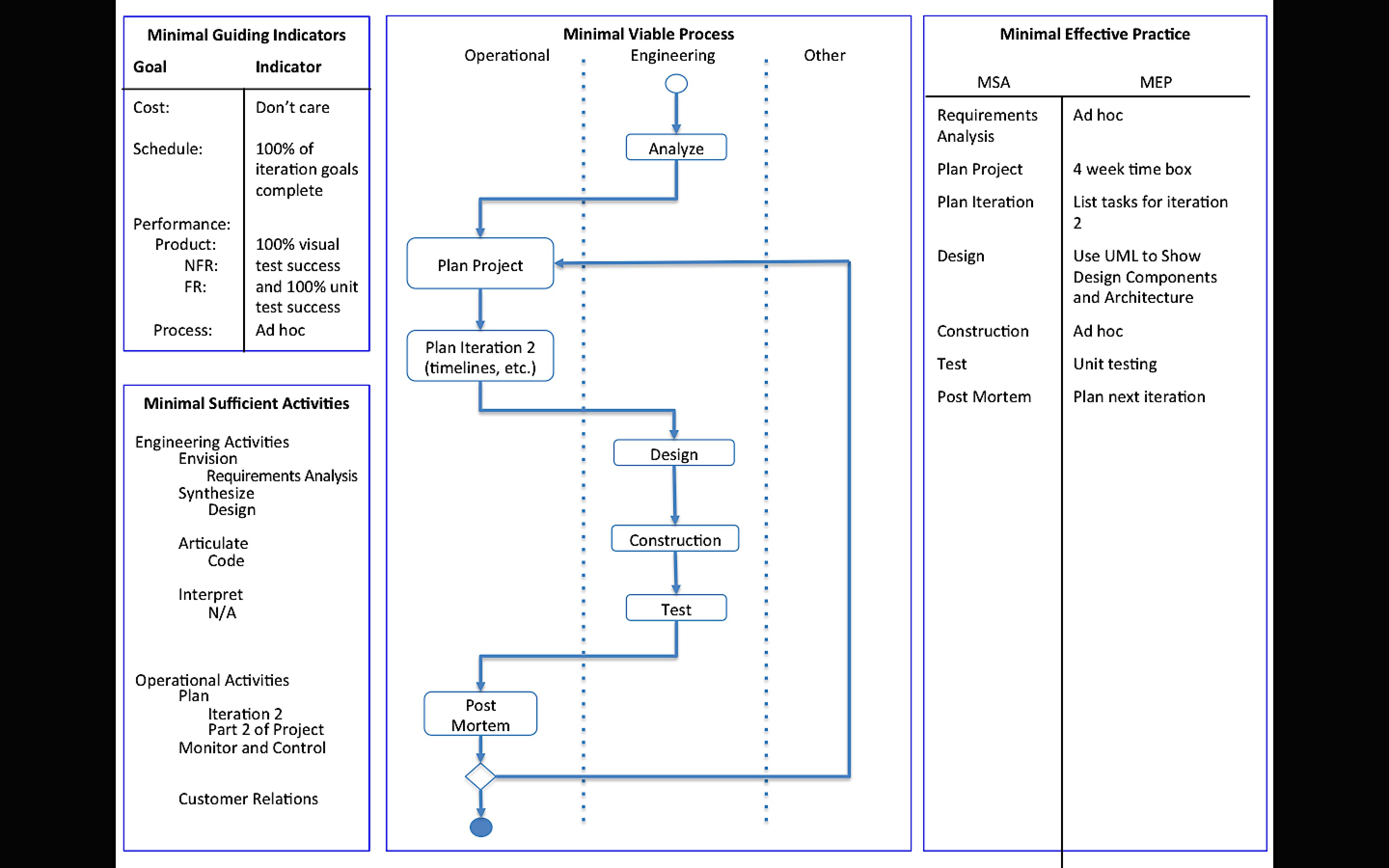
Iteration 2

# Process for Iteration 2



The process above has been slightly updated…Add dets.

# Requirements Analysis

The requirements have not changed since Iteration 1. They are as follows:

Given a secret image file and two innocent image files, the tool should

* Be able to read in image files and store the pixel information
* Use the extended visual cryptography scheme to encode the secret image pixels into the two innocent images
* Store the encoded images in new image files
  + The filenames and location can be specified by the user. If not, the files are named share1 and share2 and gets stored on the Desktop.

Given two encoded image files, the tool should

* Be able to read in the files and store the pixel information
* Use the extended visual cryptography scheme to decode the secret image from the encoded images (similar to super imposing them)
* The image revealing the secret gets stored in a new image file
  + The filename and location can be specified by the user. If not, the file is named secretMsg and gets stored on the Desktop.

The visual cryptography tool will only work with PNG and JPEG images. The images involved with the encoding process must have the same dimensions. The tool can handle images of any coloring.

# Plans for Project

Iteration 1:

* Create a graphical user interface
* Get the tool working for strictly black and white images
* Test the tool to check the quality of the encoded shares and the decoded message

Iteration 2:

* Research and implement the visual cryptography scheme with gray scale images
* Add features to project to help boost robustness (i.e. add in checks to keep the user from breaking the tool easily)

Iteration 3:

* Add the ability to encode and decode multicolor images

Iteration 4:

* Analyze the tool and look for ways to improve efficiency (performance and memory storage)

# Plans for Iteration 2

* TBD

# Design

TBD. Show class relationships.

# Construction

TBD

Show algorithm used here.

# Test

TBD

# Post Mortem

During Iteration 2, …

# Source Code

TBD