



Verifeyed Software Development Lifecycle

1. General

This document will detail the image forensics R&D department software development process of Verifeyed.

2. Software Development & Testing Process

Verifeyed image manipulation and Photoshop detection solutions use a detailed and well planned development life cycle that follows these main steps. These steps are followed for all versions delivered (major & minor).

2.1. Product Requirements Definitions

This stage is normally triggered by the customer facing product experts (for new customer requirements), or by the product manager directly. The product manager evaluates the requirement, and prepares a requirement document.

2.2. Product Requirements Review

This is a review meeting done internally in Verifeyed by all parties involved. In case of a customer requirement, this follows a similar meeting or call with the customer.

2.3. System Requirements Definitions

R&D initiates this process once the former review is over. This process maps the marketing/customer requirements into internal system implementation requirements, taking into account more technical aspects.

2.4. System Requirements Review

This is a review meeting done internally in Verifeyed, involving products, R&D and QA.

2.5. Software Design Definitions

This is a low level process done internally in the R&D, with high level and low level design and implementation, based on the requirements. At the end there is a review meeting, attended by R&D, QA & support.

2.6. Testing Design Definitions

This is a low level process done internally in the QA, with a detailed planning and outlining of all the testing planned. This will also raise all new requirements (if applicable) for new testing capabilities, tools or simulators. At the end there is a review meeting, attended by QA, R&D & support.

2.7. Development

R&D implementation of required functionality. This phase is ended with a unit testing performed by each developer.



2.8. Testing Phase (QA)

This is where R&D delivers the version to the QA, and testing begins. During this phase both R&D & QA are deeply involved.

2.9. Version Acceptance

Once testing phase is over the QA must provide an acceptance test for the version to be delivered to support.

To do so, no critical or major bugs must be open at this point, and all minor bugs are accepted by support as minor.

Acceptance will be agreed in a review meeting attended by QA, support & R&D, where all open bugs, issues and limitations are reviewed.

2.10. Version Delivery to Support

Once QA defines that the software is stable it is delivered to the support for further deployments and processing.

2.11. Deployment

This is the final stage, deployments are handled.