# 6.    Software Versioning Scheme

All applications being developed for or by EMSA shall use the following versioning scheme:

- [major].[minor].[revision]<.internal number>

Follows a description of the fields:

- Major will start 0 and will be increased by 1 every time significant new functionality is added to the application, or when significant changes to the implementation and/or organisation of the code have happened, such as:
  - When delivery of a new application or a major new version has been accepted, the major number will be increased by 1, other version numbers will be reset to 0;
  - Development of the next major version starts by increasing major version number by 1 and resetting all other version numbers to 0;
  - The above rules mean that all even numbered versions (+0) will be development releases for major new versions, whilst all odd numbered versions will be stable, production releases. E.g. if a software with version number 0.2.65 has been accepted for use in production environment, its version number will be 1.0.0. Development for the next major release will start at 2.0.0 and the production accepted release of this will carry a 3.0.0 version;
- Minor will be increased by 1 whenever less important new functionality or user interface changes are introduced;
- Revision will be increased by 1 whenever a new application version containing only bug fixes is delivered for deployment in EMSA pre-production environment;
- The internal number is an optional element that may be used by the contractor.