

1 Executive Summary

WP5 objective is to ensure availability of ETSF software and improve its interoperability, documentation and training. The ETSF package consists on several components including ab-initio applications, virtual experimentation tools, physical quantities evaluators, graphical display applications and conversion utilities.

In order to organize the development, define the quality and perform evaluation, a database of the ETSF software offer has been established relying on several criteria (code name and purpose, license type, homepage, technical and user documentation status, programming details,...). Considering that this information is in constant evolution, this deliverable content is regularly updated and conveniently available as a Google spreadsheet.

Most of the software suite components have a long history of development and therefore are based on a variety of technical choices and engineering habits. In order to enhance the performances and reduce the maintenance efforts, the database presents a snapshot of the relationships between the applications and pinpoints the common parts that can be shared.

Beyond its inventory aspect, this deliverable shows a high level of similarity regarding targeted platforms, programming languages, modularity and external libraries use. Most of the packages include a detailed user manual and sample files. Their licensing conditions allow free distribution of source code including satisfactory internal documentation. Development supporting tools are somewhat scattered but reconcilable. It is therefore considered that the objectives of this deliverable are attained in due time.