

INSPECTOR – A supporting tool for AIT/AIV phase

The AIT/AIV phase is quite late phase of satellite construction and thus very large volume of documentation created in the previous phases are available. Such size of documentation is usually enough to cause well known “information overload syndrome”, when the amount of information becomes too big to handle by human mind efficiently. This phenomena leads to reappearance of already solved problems, unnecessary repetition of work where problems are solved several times in independent way due to unawareness that solution is already found and generally to waste of time and efforts.

The INSPECTOR tool is to address the above challenge by enabling off-line access to ESA databases on mobile devices. In general the INSPECTOR is a smart local replica of a database implemented in a mobile device local storage and thus requires no constant connection to the master database. Currently JIRA, Alfresco/WebDav and flat files are supported as the master documents repositories. INSPECTOR’s replica is automatically synchronized with the master databases every time when the mobile device regains Internet or intranet access to them and thus is completely effortless for ESA engineers, except initial one time installation. In addition, the INSPECTOR tool allows local synchronization of replicas between a number of mobile devices without any need to access the INSPECTOR servers and thus supports group work of engineer’s teams.