3.2 Reuse or build processing and analysis components

This sub-process describes the activities to reuse existing components or build new components needed for the ‘Process’ and ‘Analyse’ phases, as designed in the ‘Design’ phase. Services may include dashboard functions and features, information services, transformation functions, geospatial data services, workflow frameworks, provider and metadata management services.

Quality Indicators:
- What proportion of functions in the statistical process are built using corporately supported software tools, components or services?
- Have best practices for software development been followed?
- Has testing been done throughout the Building process?
- Have corporate requirements for dashboards and information services been incorporated?
- Was the testing strategy designed when the process and its components were designed?
- Was additional testing done by someone other than the person(s) who did the programming?
- View the different types of testing (design, execution, documented and sign-off): functional testing, volume testing, stress testing, end-to-end testing and user testing to be done in 3.0 Test production system.
- Was testing done specifically to ensure that the software produces the correct results?
- Extent to which process components have complete documentation, support staff, and user training, all available at the same time the software is put into use.
- Has the quality of the data after the test of the coding procedure been assessed?
- Have the assessment results been taken into account in the implementation of the final procedures?
- Has the output of the GIS procedure been assessed?
- Have the assessment results been taken into account in the implementation of the final procedures?
- Have process components necessary to manage processing of large data sets been tested and fine-tuned?
- Have process components for data inputs been tested and fine-tuned?

For details, see Quality Indicators for 016PBM (version 2.0)