



Version development process

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1. Version development process

This document contains description of ESO9 version development and deployment process.

1.1 Version development

Versions of ESO9 ERP are released twice a year; in January and July. In between major releases Service Packs are released to respond flexibly to legislative changes or found bugs.

ESO9 Start application is released for 4 legislation: Czech, Slovak, Polish and Hungarian. Each legislation has its supervisor who watches current changes to the laws of the state. Legislation supervisor is native speaker in contact with accountants from the relevant state.

Every version has its own internal order (see *Task resolution process.pdf*) that contains all the tasks approved for that version. Each task is assigned to a developer. The developer solves individual tasks, describes custom solutions and release notes for the end users. From these descriptions, the news release document is automatically compiled.

1.2 Version testing

One month before new version ESO9 is released, a Release Candidate is issued for testing purposes. It is not allowed to make structural and functional changes during testing, only to correct the errors found and to complete the translations.

There are three types of testing: two internal and one external.

1.2.1 Internal version testing

Internal testing takes place in our company, i.e. testing takes place on dedicated internal server with clean installation of OS and current version of ESO9. Testing is handled by implementation staff who did not participate in the development of the version. Each implementor tests ESO9 according to his / her specialization. Scenarios are defined for the key areas (trade, finance, accounting), according to which it is being tested. Found bugs are recorded to the test order for the custom version.

1.2.2 Automated testing

Automated tests are built on program that simulates user work in system. Based on this we are able to do regular tests of all legislations and languages and to prove it by protocols. Program accepts the test definition file as an input and produces the protocol as an output. Every test includes all actions required by typical activity of one user (create document, check data in document, make any action with data, print a report etc.). Every test generates the protocol. Protocol is saved on the disk and is sent to the author to check all steps ends successfully or with errors.

1.2.3 External version testing

External testing is done by partner companies in the Czech Republic and Slovakia. Release Candidate is available on our FTP server.

Consultants working for our certified partner companies are regularly trained by us and informed about new developments in technology and applications.

1.2.4 News presentation

Before version testing starts, all developers present news release to the implementation department including technical details and parameters.

1.3 Version deployment

A Release ESO9 version is released a month after the Release Candidate testing. Version is available to our customers on our FTP server. Customers are required to install the new version within three months after it is released.

1.4 Version installation

Version installation is authorized to:

- Our company employees
- Certified partner company
- Certified customer administrator

Every ESO9 application can be either Start or Profi version. Start version contains no implementation changes and it could be installed directly, i.e. over existing version. Profi version contains implementation changes and it is necessary to install version to test-copy of release application version. After testing all customer's implementation changes functions new version can be installed to production environment.

1.5 Service packs

If there is need to respond to legislative changes or found bugs in the interval between versions, Service Packs are released. Service Packs can contain changes in any ESO9 application or application middleware (server or clients). Number of Service Packs released during one main version is not fixed.