

Finnish Nautical Chart Production System Renewal Project (NHC58 action 8)

[Submitted by Finland]

Background

The nautical chart production system running at the Finnish HO has been in use since 2005, with some modules developed even some years before that. The system is based on ArcGIS 9.1 and ArcSDE 9.1, which has not had official support from ESRI available after June 2010. Therefore studies were made by an internal expert group during 2010 and 2011. During that time the existing commercial solutions for nautical chart production was evaluated and an analysis with different scenarios were made. Based on these studies and long experience with ESRI products and technology, the expert group recommended the new system to be based on ESRI Nautical Solution with a significant amount of further development. Further studies were made with ESRI in 2012 by executing ESRI Nautical Solution Proof of Concept for FHO. Taking into count the results and experiences from all these studies and bearing in mind the available local support and expertise in the FTA, it was decided to use ESRI solutions and tools as a development platform for rebuilding a new nautical chart production system for the Finnish HO.

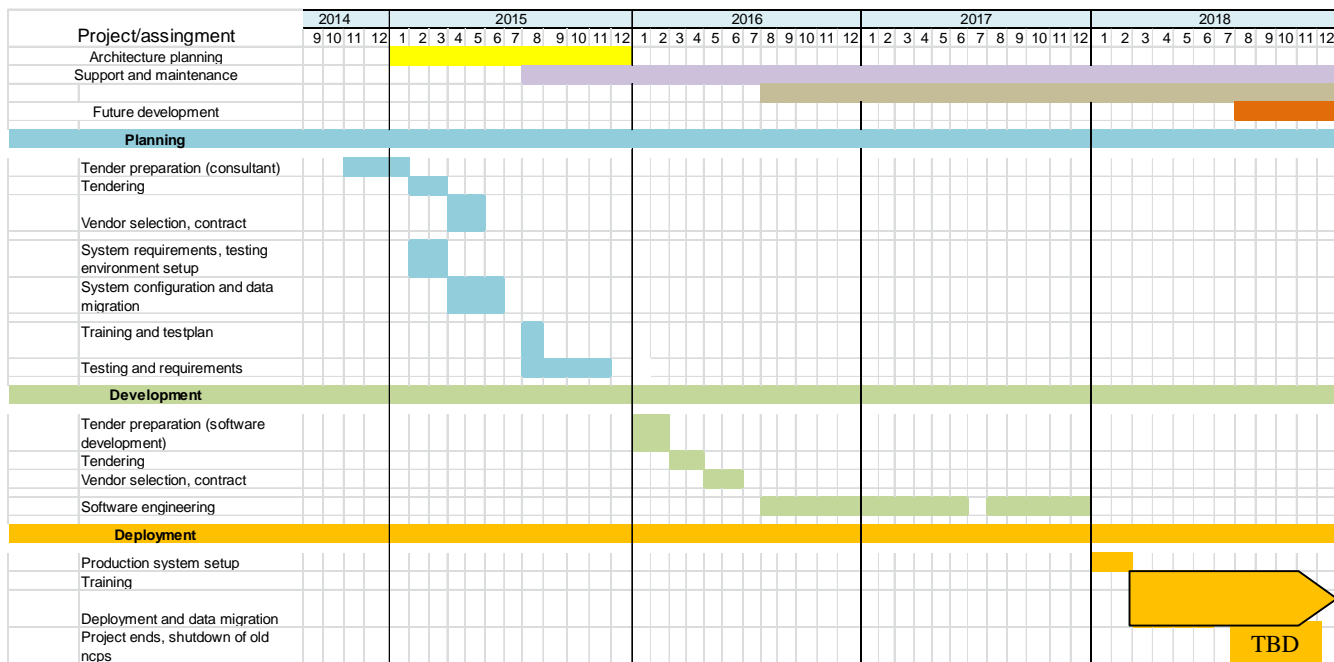
Project Objectives

- Renewal of technology and functionality of the existing system
- More efficient workflows and performance in chart production process and related tasks
- Sophisticated management of hydrographic data and product library
- Support for new IHO S-100 based product standards
- Support for new products and services for navigational use and non-navigational use
- Easy extendable system life cycle

Objectives for 2015 - Planning phase

- Setup development and testing environment for ArcGIS for Maritime 10.3 (Charting&bathymetry)
- Educate personnel in the project to use the COTS tools
- Test recent versions of the tools and functionalities
- Write a report on the requirements for the system and software development

Timetable and phases of the project



Actions requested from NHC59

The NHC59 is asked to note this information.