e-NAV13 Information paper

Agenda item 19.2

Task Number

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Software Quality Assurance

# Summary

This paper provides information on Software Quality Assurance Standards.

## Purpose of the document

It has been proposed that software quality assurance should be a new Work Item for the e-NAV Committee. The Committee’s attention is drawn to the existence of the relevant ISO standards dealing with this subject.

## Related documents

e-NAV 13/2 ACTION ITEMS FROM e-NAV12

# Background

Action Items from e-NAV12 included the following:

53 The Secretariat is requested to include an agenda item on software quality assurance in the agenda for e-NAV13.

71 Committee members are requested to provide their views on including software quality assurance in the work programme at e-NAV13.

# Discussion

Software quality is covered by two related multipart International Standards: ISO/IEC 9126 (Software product quality) and ISO/IEC 14598 (Software product evaluation). The ISO 25xxx series has been created to provide a logically organized and unified series covering two main processes: software quality requirements specification and software quality evaluation, supported by a software quality measurement process.

ISO 25010 deals with Software Quality Models and is necessarily of a general, high-level nature. However, it contains material that could be useful in discussions about the software quality requirements for e-Navigation. In particular sections concerning quality models and measurement, user requirements, terms and definitions could provide useful references.

# Action requested of the Committee

The Committee is invited to note the information provided above.