In this Sector Brief we highlight:

- The IEC 60880:2006 software standard’s requirements
- How Cantata and AdaTEST 95 support project certification

**IEC 60880**

IEC 60880 (Nuclear power plants - Instrumentation and control systems important to safety - Software aspects for computer-based systems performing category A functions) outlines requirements for developing software to be used to perform safety-related functions in nuclear power plants.

**Standard Requirements**

Cantata’s functionality specifically addresses the following sections of the IEC 60880 standard:

- Section 8: Software verification
- Section 14: Software tools for the development of software
- Annex E: Software verification and testing

**Cantata Tool Certification Kit**

- The Safety Manual provides guidance on using Cantata in a safety-related context and on meeting independent tool certification requirements.
- The Standard Briefing document provides a line-by-line, paragraph-by-paragraph tracing of IEC 60880’s requirements, identifying how each requirement is supported by Cantata.