In this sector brief we highlight:

› The IEC 61508 software standard's requirements
› How Cantata supports project certification

**IEC 61508**

IEC 61508 (*Functional Safety of Electrical / Electronic / Programmable Electronic Safety-related systems*) is a basic functional safety standard applicable to all kinds of industry.

**Standard Requirements**

Cantata’s functionality specifically addresses the following sections of the IEC 61508 standard:

› Part 3: Software requirements
› Section 6: Additional requirements for management of safety-related software
› Section 7: Software safety life cycle requirements
› Annex A: (normative) Guide to the selection of techniques and measures
› Annex B: (informative) Detailed tables

**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 61508's requirements, identifying how each requirement is supported by Cantata.