

SCADE Suite KCG IEC 60880 Certification Kit contains tool certification data.



This material demonstrates to certification authorities that Esterel Technologies developed the SCADE Suite KCG code generator in compliance with IEC 61508-3 safety objectives.

Read more about certification data in:

- [“Certification Scope”](#)
- [“IEC 60880 Certification Kit Data”](#)
- [“Certification Kit Management”](#)
- [“Certification Environment”](#)
- [“Certification Consulting Services”](#)

Certification Scope

Once acquainted with the content of the Certification Kit, users should develop their software processes based on the certification credits proposed in the Certification Kit. Esterel Technologies is ready to assist its customers in defining their certification processes and needs through consulting services.

Project plans for the user application must specify the development and verification methodology with SCADE Suite KCG and express the claimed certification credits in compliance with IEC 61508 safety objectives.

Access to Software Life Cycle Data

Certification Kits are a subset of certification data. Customers that have the Certification Kit, as well as their certification authorities, can access all SCADE Suite KCG software life cycle data on site at Esterel Technologies upon request for certification audits purpose.

All KCG certification data are available for audit, including design, verification cases and procedures, verification results, software configuration management and software quality assurance records.

IEC 60880 Certification Kit Data

Since IEC 60880:2006 corresponds to IEC 61508, part 3 for the nuclear application sector, the IEC 60880 Certification Kit for SCADE Suite KCG includes the following documents:

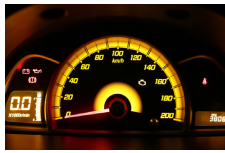
- **Compliance Analysis to IEC 60880 Standard:** Describes how SCADE Suite tools including SCADE Suite KCG satisfy all IEC 60880-related user objectives
- A set of data corresponding to the **SCADE Suite KCG IEC 61508 SIL 3 Certification Kit**, since KCG is a general tool not restricted to the nuclear application sector:
 - **Compliance Analysis with IEC 61508:2010 at SIL 3:** Describes how SCADE Suite KCG satisfies all IEC 61508-related objectives
 - **Tool Qualification Plan (TQP):** Presents all provisions taken for qualification of KCG Code Generator and references the other project plans
 - **Tool Operational Requirements (TOR):** Describes the KCG functionality and usage
 - **Scade Language Reference Manual:** Contains the Scade language requirements
 - **Safety Case (SC):** Provides evidence that KCG is developed with the appropriate level of safety and identifies the Conditions of Use to be obeyed by KCG users for claiming the certification credits of the tool
 - **Tool Configuration Index (TCI):** Presents the tool version and configuration
 - **Tool Life Cycle Environment Configuration Index (TECI):** Presents the software environment used for tool certification
 - **Software Installation Procedure (SIP):** Contains detailed instructions for installing KCG

For more information on IEC 61508 Certification Kit, please request the SCADE Suite KCG IEC 61508 Certification Kit data sheet.

IEC 61508:2010 TÜV SÜD Certificate

Request from Esterel Technologies your IEC 61508:2010 certificate in electronic format for [KCG](#).





Certification Kit Management

- Esterel Technologies' support team sends regular Safety Status Reports that complement the Certification Kit by giving the list of all open problems and their mitigation actions in SCADE Suite KCG known at report publication date. These reports are also available on our [Support web site](#).
- Updates to the Certification Kits and Safety Status Reports are provided to customers under maintenance service

Certification Environment

Users must use SCADE Suite KCG in the same environment as the environment used for certification. The Certification Kit applies to the following environment:

- SCADE Suite KCG 6.4 qualifiable on Windows XP SP3 (32-bit) and Windows 7 SP1 (64-bit)

Certification Consulting Services

To help customers with certification activities, Esterel Technologies can provide specific consulting services like:

- Certification liaison support for tool certification
- Setting up SCADE Suite-based development process from system requirements to software integrated on the target
- Support for Safety Plan development and reviews of certification documents based on the Certification Kit
- Compiler verification preparation

Contact Information

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Contact one of our Sales representatives at
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Direct general questions about Esterel Technologies to
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Discover the latest news on our products and technology at
<http://www.esterel-technologies.com>

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