# Khronos SCAP Requirements v0.01

# Khronos Safety Critical API Development Requirements (Provisional)

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**Documents: 1 of 3**

**Khronos Safety Critical Advisory Panel (SCAP)**

**Editor: Illya Rudkin**

# 1. Acknowledgements

Safety Critical API Development guidelines, requirements and ??? (doc 3) is the result of the contributions of many people, representing a cross section of the safety critical software development community in a range of industries. Following is a partial list of the contributors, including the company that they represented as the time of their contribution:

**Chairman**

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- Andreas Urbán, SAAB Aerospace
- Mike Bartley, TVS

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- Mika Leppinen, Nvidia
- Pramod Bhardwaj, Xylinx
- Steve Ramm, Imagination Technologies
- Steve Viggers, Core Avionics
- Tom Mainar, Core Avionics

Up-to-date HTML and PDF versions of this specification may be found at the https://www.khronos.org/registry/scap

## 2. Document Change History

List of the changes that have occurred between one or more releases.

| Revision | Date | Changes |
|---|---|---|
| 0.01 | 2016-11-30 | Initial Asciidoc document layout |
| 1.0 | ??? | First revision |

# 3. Introduction

Some introduction text.

# 4. Overview

Some Khronos SCAP overview text

The SCAP is an IP free zone. Information, principles, requirements and guidelines are about safety critical specifications in general. SCAP do not discuss anything that may contain intellectual property or have IP implications in the SCAP. Implementation details belong in other Khronos working groups.

## *4.1. Khronos SCAP document usage*

An implement of a Khronos SC API standard which passes its appropriate Khronos conformant tests should not be taken that the SC implementation in question has meet all the requirements for its specific usage. The Khronos conformant tests only show the implementation has reached a specified standard of accuracy and behaviour required for Khronos approval.

## *4.2. Glossary*

List of terms or definitions used within this document.

| Term | Description |
|---|---|
| API | Application program interface |
| SC | Safe Critical |
| SCAP | Safe Critical API Panel |

# 5. Requirements

Some text about requirements in general. Refer to the rider statement.

## *5.1. Requirements list*

The following is a list of all the SCAP requirements when considering designing and implementing a SC API.

| Requirement | Description |
|---|---|
| 1 | Memory management |
| 2 | xxxxx |
| 3 | xxxxxx |

## *1 Memory management*

Some text about memory management in a SC context.

# 6. Appendices

## *6.1. Appendix A - Additional information in detail*

### *Appendix A.1*

Some information in more details perhaps some diagrams.

## *6.2. Appendix B - More additional information in detail*

### *Appendix B.1*

Some more information in more details perhaps some diagrams.