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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 22, *Programming languages, their environments and system software interfaces*.

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1 Scope [scope]

This document builds upon ISO/IEC 14882 by describing requirements for implementations of an interface that computer programs written in the C++ programming language could use to invoke algorithms with concurrent execution. The algorithms described by this document are realizable across a broad class of computer architectures. This document is written as a set of differences from the base standard.

Some of the functionality described by this document might be considered for standardization in a future version of C++, but it is not currently part of ISO/IEC 14882:2020. Some of the functionality in this document might never be standardized, and other functionality might be standardized in a substantially different form.

The goal of this document is to build widespread existing practice for concurrency in the ISO/IEC 14882:2020 algorithms library. It gives advice on extensions to those vendors who wish to provide them.

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2 Normative references [refs]

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

— ISO/IEC 14882:2020, *Programming Languages — C++*

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