Technical Specification

ISO/IEC TS 9922

Programming Languages — Technical specification for C++ extensions for concurrency 2

Langages de programmation — Spécification technique pour les extensions C++ de concurrency 2

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Contents

Foreword　　　　　　　　　　　　　　　[foreword]

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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.*

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

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.

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++*