Information for WG14
WG14 N2704

Title:	C and C++ Compatibility Study Group Omnibus of WG21 Papers (Mar 2021)
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Proposal category:	Informational

Abstract: This is a list of papers in the WG21 document tracking system that are going to be scheduled for discussion in the C and C++ Compatibility Study Group but are not in the WG14 document tracking system.

C and C++ Compatibility Study Group Omnibus of WG21 Papers (Mar 2021)

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Introduction and Rationale

The C and C++ Compatibility Study Group is a joint study group between WG21 and WG14. This omnibus paper makes WG14 members aware of the papers in the WG21 document tracking system which are expected to be discussed by the study group.

Compendium of Documents to be Reviewed

P2340R0	Clarifying the status of the “C headers”	Köppe	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2340r0.html			
P2338R0	Freestanding Library: Character primitives and the C library	Craig	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2338r0.html			
P2334R0	Add support for preprocessing directives elifdef and elifndef	Blower	Corresponds to WG14 N2645
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2334r0.pdf			
P2331R0	Unsquenced functions	Alepins	Corresponds to WG14 N2539
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2331r0.pdf			
P2318R0	A provenance-aware memory object model for C	Gustedt	Corresponds to WG14 N2577
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2318r0.pdf			
P2324R0	Labels at the end of compound statements	Uecker	Corresponds to WG14 N2508
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2324r0.pdf			
P2323R0	maybe_unused attribute for labels	Uecker	Corresponds to WG14 N2662
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2323r0.pdf			
P2316R0	Consistent character literal encoding	Jabot	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2316r0.pdf			
P2295R0	Correct UTF-8 handling during phase 1 of translation	Jabot	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2295r0.pdf			
P2290R0	Delimited escape sequences	Jabot	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2290r0.pdf			

P2152R0	Querying the alignment of an object	Levi	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2020/p2152r0.pdf			
P2174R0	Compound literals	Yuan	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2020/p2174r0.html			
P0943R6	Support C atomics in C++	Boehm	
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2020/p0943r6.html			
P1152R4	Deprecating volatile	Bastien	Somewhat misleading title
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2019/p1152r4.html			
P2312R0	Introduce the nullptr constant	Gustedt	Corresponds to WG14 N2667
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2312r0.pdf			
P2311R0	Make false and true first-class language features	Gustedt	Corresponds to WG14 N2655
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2311r0.pdf			
P2310R0	Revise spelling of keywords	Gustedt	Corresponds to WG14 N2654
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2310r0.pdf			
P2309R0	A common C/C++ core specification	Gustedt	Corresponds to WG14 N2644
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2309r0.pdf			
P2307R0	Lvalue closures	Gustedt	Corresponds to WG14 N2635
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2307r0.pdf			
P2306R0	Type-generic lambda	Gustedt	Corresponds to WG14 N2634
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2306r0.pdf			
P2305R1	Type inference for variable definitions and function returns	Gustedt	Corresponds to WG14 N2674
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2305r1.pdf			
P2304R0	Improve type generic programming	Gustedt	Corresponds to WG14 N2638
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2304r0.pdf			
P2303R1	Function literals and value closures	Gustedt	Corresponds to WG14 N2675
http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2303r1.pdf			