

**Information for WG14**  
**WG14 N2708**

**Title:** C and C++ Compatibility Study Group Omnibus of WG21 Papers (Apr 2021)  
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**Date:** 2021-05-05  
**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 (Apr 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

P2318R1	A provenance-aware memory object model for C	Gustedt	Corresponds to WG14 N2676
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2318r1.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2318r1.pdf</a>			
P2295R3	Support for UTF-8 as a portable source file encoding	Jabot	
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2295r3.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2295r3.pdf</a>			
P2312R1	Introduce the nullptr constant	Gustedt	Corresponds to WG14 N2692
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2312r1.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2312r1.pdf</a>			
P2307R1	Lvalue closures	Gustedt	Corresponds to WG14 N2696
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2307r1.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2307r1.pdf</a>			
P2306R1	Type-generic lambda	Gustedt	Corresponds to WG14 N2695
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2306r1.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2306r1.pdf</a>			
P2305R2	Type inference for variable definitions and function returns	Gustedt	Corresponds to WG14 N2697
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2305r2.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2305r2.pdf</a>			
P2304R1	Improve type generic programming	Gustedt	Corresponds to WG14 N2693
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2304r1.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2304r1.pdf</a>			
P2303R2	Function literals and value closures	Gustedt	Corresponds to WG14 N2694
<a href="http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2303r2.pdf">http://www.open-std.org/jtc1/sc22/wg21/docs/papers/2021/p2303r2.pdf</a>			