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***CERTIFICATE OF VALIDATION***

***ISO/IEC 9899:1990 C90 - C Language Processers***

***This Certificate of Validation certifies that the product identified below has been tested using the Perennial C Compiler Validation Suite, CVSA, and has passed all tests required for the SCOPE OF TESTING. The test results were obtained and validated by Perennial, Inc.***

**IMPLEMENTATION TESTED**

Supplier: IBM

 Product: IBM z/OS XL C/C++ Compiler

 Version: z/OS V2.4 XL C/C++

**TEST METHOD USED**

 Perennial C Compiler Validation Suite, CVSA, Version 12.9, Oct 2022

**SCOPE OF TESTING**

C Language C90, Hosted Environment, International Standard ISO/IEC 9899:2018.

**TEST ENVIRONMENT**

 **Hardware System Tested**

Type: Hosted

 Supplier: IBM

 Product: IBM zEnterprise 15

 **Operating System**

Supplier: IBM

 Product: z/OS 3.1

 **Target Processor Family**

Supplier: IBM

 Product: z14 /arch(12)

 **Binary Compatibility**

 Supplier: IBM

 Products: z14 /arch(12)

Barry E Hedquist

Barry E. Hedquist, President, Perennial Inc. Date: March 21, 2023

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