

SOME C STANDARDS STORY

C STANDARDS

- [JTC1/SC22/WG14](#) is the international standardization working group for the C programming language.
- The standard revisions are [C89/C90/C95, C99](#) and the latest is [C11 \(ISO/IEC 9899:2011\)](#).
- The [ANSI \(American National Standards Institute\)](#) C covered by the ISO/IEC standards & more general.
- The [Embedded C also included under WG14](#).
- To avoid many dominant exploits using C, [CERT](#) published the [Secure C coding standard](#).

SUPPORTED COMPILERS

Implementation	Level of support	Details
AMD x86 Open64 Compiler Suite	Mostly	Has C99 support equal to that of GCC.
cc65	Partial	Full C89 and C99 support is not implemented, partly due to platform limitations. Also is no support planned for some C99 types like <code>_Complex</code> and 64-bit integers (long long).
Ch	Partial	Supports major C99 features.
Clang	Mostly	C99 floating-point pragmas are the only unsupported feature.
C++ Builder	Mostly	
Digital Mars C/C++ Compiler	Partial	Lacks support for some features, such as <code>tgmath.h</code> and <code>_Pragma</code> .
GCC	Mostly	
IBM XL C/C++	Full	
IBM Rational logscope	Full	C99 is supported in Logscope 6.4 and later versions.
The Portland Group PGI C/C++	Full	
Intel C++ compiler	Mostly	C99 Support in Intel C++ Compiler.
Microsoft Visual C++	No	Herb Sutter's blog: Reader Q&A: What about VC++ and C99?
Open Watcom	Partial	C99 compliance.
Pelles C	Mostly	Supports most C99 features.
Portable C compiler	Partial	Working towards becoming C99-compliant.
Sun Solaris Studio	Full	
Tiny C Compiler	Partial	Most of the C99.
Eclipse CDT	Mostly	Based on GCC C compiler. Has C99 support equal to that of GCC.
NetBeans	Mostly	Based on GCC C compiler. Has C99 support equal to that of GCC.

**The embedded C compilers not included*

WHERE IS C LANGUAGE?

Let the real time
statistics talk!

■ Where is C language this month?

1. [Monthly TIOBE Programming Community Index.](#)
2. [The Transparent Language Popularity Index.](#)
3. [Jobs Tractor language trends September 2012.](#)