Parasoft Insure++ vs Fornux C++ Superset Comparison Matrix

	Parasoft Insure++	**Fornux C++ Superset**
Patented Technology	Yes	Yes
Supported Platforms	Windows 7, 8, 8.1, 10; Ubuntu 14 & 16, Fedora 25, CentOS 7	All platforms (Linux, Windows, MacOS, iPhone, Android, ...)
Supported Compilers	Visual Studio 2010, 2011, 2012, and 2015; GNU GCC 5.4.x-7.x	All public and proprietary compilers supporting C++17
Compile-Time Analysis	Cast of pointer loses precision	All pointers are rewritten and ISO compliant
	Mismatch in format specification	Idem
	Mismatch in argument type	Idem
	Code is not evaluated, has no effect, or is unreachable	Handled by static analyzers
	Undefined identifier	Handled by compiler error
	Variable declared, but never used	Handled by compiler warning
	Returning pointer to local variable	Handled by compiler warning
	Function returns inconsistent value	Handled by compiler warning
	Unused variables	Handled by compiler warning
Runtime Memory Debugging	Corrupted heap and stack memory	Impossible to corrupt the heap and the stack
	Use of uninitialized variables and objects	Throws an exception with stacktrace
	Array and string bounds errors on heap and stack	Throws an exception with stacktrace
	Use of dangling, NULL, and uninitialized pointers	Throws an exception with stacktrace
	All types of memory allocation and free errors or mismatches	All fixed at compile-time
	All types of memory leaks	All fixed at compile-time
	Type mismatches in global declarations, pointers, and function calls	All fixed at compile-time