
Goals Proposal for X3J16

- Stroustrup Ref Manual & X3J11 are base documents
 - Parm types and exceptions excluded from base
 - Acceptance of base docs critical for timely completion
 - Will help preserve current C++ applications

Goals Proposal for X3J16 (cont)

- Standardize core C++ language
- Clear and unambiguous specification
- Compatibility with Stroustrup ref manual
- Compatibility with ANSI C
- Consistency
- Portability
- Efficiency
- Expressiveness
- Ease of implementation

Goals Proposal for X3J16 (cont 1)

- Define and standardize C++ libraries - I/O at minimum
- Standardize a C++ environment
 - Headers
 - Preprocessor
 - Program structure
 - Program invocation
 - Program termination
 - Interface to other languages
- Define major extensions to base documents including parameterized types and exception handling
 - Extensions **MUST** be validated by user and implementer experience

Goals Proposal for X3J16 (cont 2)

- Ensure that the X3J16 standard is suitable for international community
- Ensure a very high level of compatibility with ANSI C
 - Establish a voting liason with X3J11
 - Complete, 100% compatibility is not forseen
- Use working groups to do the work, use X3J16 to ratify/reject results
- Produce three major deliverables: standard, rationale, examples
 - Begin work on a purpose document immediately
 - Precise English specification is a must, formal spec is optional
 - Address C/C++ compatibility, limits/implementation restrictions, portability, formal grammar specification

Goals Proposal for X3J16 (cont 3)

- Deliver a draft standard to X3 by early 1992
 - summer 1990 - purpose document, working group outlines
 - spring 1991 - work group results due
 - late 1991 - first draft C++ standard approved by X3J16
 - early 1992 - draft standard submitted to X3 for public comment