

## International Concerns Working Group - Steve Carter

### Goals:

1. Shepherd the new work item
2. Solicit international participation

**Scope:** Review and comment on ISO documents referred to the US member body for C++.

### Deliverables:

1. SC22 new work item
2. International announcements of C++ work
3. Two international contact lists:
  - X3J16 members with international interest
  - International community members interested in X3J16

## Editorial Working Group - Peggy Quinn

### Goals:

1. Establish
  - the high-level structure of the standard
  - the fine-grain style of presentation in the standard
  - the structure of the rationale
2. Disband at the next meeting

### Deliverables:

1. High-level structure of the standard and rationale
2. Guidelines describing the presentation style

## Communications Working Group - Reg Charney

**Goal:** Facilitate electronic communication between *all* committee and WG members.

**Method:** Internet mail (including gateways, volunteers, commercial services)

### Input:

1. Address list from officers
2. WG membership lists from officers
3. Single communication of change of address or membership status through above lists

### Deliverables and Schedule:

1. WG and whole committee mail reflectors (Andrew).
  - approximately two weeks after lists get to Andrew
2. On request, information on using mail facilities
  - ongoing
3. On request, help finding mail facilities
  - ongoing (initial suggestion list 1 Apr 90)
4. European ftp archive (Dag)
  - ongoing
5. Send distribution list to everyone with everyone on it
  - 1 May 90
6. Address/membership request address
  - same as (1)

## Formal Syntax Specification Working Group - Jim Roskind

**Goal:** Provide a formal specification of the syntax for C++.

**Scope:** See below.

**Deliverable:** Formal specification.

**Game Plan:**

1. Establish evaluation criteria for a specification
2. Survey possible forms for a specification
3. Solicit and review complete C++ syntax specifications
4. Finalize the specification

**Subgoal:** 1, 2, half of 3

**Deliverable:** Reports on 1, 2, half of 3

### **Environment Working Group - John Vasta**

**Goals:** Produce an outline of the group's proposal for the contents of the standard which relate to the C++ environment. The outline will indicate the group's recommendations for the direction to proceed in each area.

**Scope:** The outline will cover the areas identified in item (4) of the committee's goals document, with the addition of program structure and C/C++ preprocessor compatibility.

**Deliverables:** The outline document and supporting rationale.

### **Libraries Working Group - Michael Vilot**

**Goals:** Produce an outline of the group's proposal for the contents of the standard which relate to C++ libraries. The outline will indicate the group's recommendations for the framework and direction to proceed.

**Scope of work:**

1. It is not the task of the committee to write or design C++ libraries. Instead, we will describe a library interface and specifications based on existing libraries with implementation experience.
2. The committee will solicit class library specifications from C++ library implementors for inclusion in the draft working paper.
3. The committee will exclude from the standard libraries proposals which are not of widespread value to the entire community of users (e.g., String class vs. Tensor class).
4. Other standards groups may provide C++ bindings for their libraries. Such libraries are outside the scope of this committee.

**Deliverables:**

1. A document addressing the use of standard header statements from ANSI C
 

```
#include <stdio.h>
```

 and standard functions from the ANSI C library
 

```
printf("Hello, world!\n");
```
2. A document showing procedures for soliciting, considering, and determining the inclusion of C++ libraries in the draft working paper. This includes a proposed document for RFP.
3. A description of some criteria to apply to proposed C++ libraries.

### **Language Extensions Working Group - Bjarne Stroustrup**

**Goal:** To consider proposals for major extensions while preserving the spirit of C++.

**Short Term Deliverables:**

For July - a report on a proposal on parameterized types to be submitted by Bjarne Stroustrup.

For later meetings - report(s) on exception handling proposal(s).

A major extension is:

1. a change to the type system
2. a change to the naming mechanism
3. a change to the requirements of the runtime system
4. a change that enables a new style of programming

**Long Term Deliverables:** We will classify, explain, and evaluate proposals and make recommendations to the committee. If a recommendation is the adoption of a new feature, a draft of changes to the working paper ~~will be provided~~. *at least 2 paragraphs*

### **Core Language Working Group - Andrew Koenig**

**Goal:** Prepare the ground for standardization of the syntax and semantics (including items (2a) and (2b) but not (2c) of the goals document). *some work done*

**Scope:**

1. Identify the parts of the base documents that fit into the "core language."
2. Define a procedure for handling requests.
3. Create an initial list of requests.

**Deliverables:** As above.

### **C Compatibility Working Group - Mike Miller**

**Goals:**

1. Identify as many conflicts as possible between ANSI C and C++
2. Categorize the conflicts according to type and severity
3. Make recommendations for each conflict, either for resolution or for consideration by the whole committee

**Scope:** X3.159, chapter 3 (Language) except for preprocessing.

**Deliverables:**

1. List of conflicts
2. List of suggested resolutions
3. List of abdications