CPI-C Implementers' Workshop
Technical Plan

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Chapter 1. CPI-C Implementers' Workshop Technical Plan

1.1 About This Document

This document describes the CPI-C Implementers' Workshop (CIW) Technical Plan. It includes a description of each technical project and the schedule for its completion, and it describes the publication plan for the CPI-C architecture.

The document is a working document. It will be updated as new projects are undertaken or as changes in existing projects occur.

1.1.1 Approval Status and Update Record

This document has received the following review and approval:

review at the March, 1993, CIW meeting

approval by the CIW at the June, 1993, CIW meeting.

On February 2, 1994, the following changes were made:

A table recording the progress of each SIG's work in 1993 was added.

A table containing the proposed schedule for 1994 was added.

Specify Local Address was added to the list of SIGs.

Minor editorial changes were made.

In October 1994 the following changes were made:

Removed the history of the CPIC 2.0 items.

Changed tracking from SIGs to Work Items.

Added work items from the June 1994 CIW.

In May 1995 the following changes were made:

Updated work items from the May 1995 CIW.

1.2 CIW Technical Goals

The technical goals of the CIW include the following:

definition of CPI-C extensions

The CIW objective is an enhanced CPI-C that allows programs to use more fully the services and protocol support of APPC and OSI TP, to take advantage of distributed services such as directory and security, and to use system services such as program-startup processing and context management in a coordinated way.

definition of CPI-C Level 2 conformance classes

definition of CPI-C language bindings

description of the CPI-C execution environment

The CIW will describe the computing model for CPI-C programming, the protocol stack, system, and distributed services available to CPI-C programs, and the interaction of those services with CPI-C programs and CPI-C.

1.3 Technical Plan

This section describes the established technical projects and gives the schedule for their completion.

1.3.1 Active Work Items

The work items are listed below, with a brief description of the scope of the work.

Work Item	Scope of Work
Specify Local Address	Define extensions to CPI-C to allow a program to specify the local LU/CRM to be used for an outgoing conversation.
Simulated Full-Duplex	Define extensions to CPI-C to simulate full-duplex conversations.
Service TP support	Define extensions to CPI-C to allow: a client program to specify a service TP name for its partner program's TP name in a non-EBCDIC environment a service TP to associate its name with itself in a non-EBCDIC environment
SNA Conformance for PIP	Define a conformance class for APPC support of PIP data using Set_Initialization_Data and Extract_Initialization_Data.
Cancel_Conversation changes	Add a CM_CANCELLED return code and relax the requirement that the partner receive a deallocated abend indication.
Callback for Conversation Level Non-blocking	Define callback for Conversation Level Non-blocking.
Directory Services Interface	Define interfaces to allow the registration of services in a directory. Also track the Directory Service proposal the AIW is working on.

1.3.2 Work Status

The following table records the status of each work item as approved by the CIW. The notation "(a)" after a status (e.g., AP(a)) means "as amended" and indicates that a previously approved proposal was reapproved as amended with no change in status.

Table 1-1. Work Item Status

Work Item	Coordinator	10/94	4/95?	10/95?	5/95
Specify Local Address	Frank Chin	AD	AD	-	-
Simulated Full-Duplex	Bill Greene	AD/AP	-	CP	-
Service TP Support	John Fetvedt	AD	AP	CP	-
SNA Conformance for PIP	Rich Daugherty	AD	AP	CP	-
Cancel_Conversation changes	Rich Daugherty	AD	AP	CP	-
Callback for Conversation Level Non-blocking	Ron Sanders	AD	-	AP/CP	-
Directory Services Interface	Ron Sanders	-	-	AD	AP

1.4 Publication Plan

The CIW Editor maintains the architecture of record and arranges its publication as appropriate. The schedule for the publication of the CPI-C architecture is given below. The current published document is *Common Programming Interface Communications: CPI-C 2.0 Specification*, SC31-6180-01, June 1994. The current architecture of record is *Common Programming Interface Communications: CPI-C 2.0 Specification*, SC31-6180-01, June 1994 plus errata file cpic20.err. It is available from the CIW editor (ciw-editor@networking.raleigh.ibm.com).

Table 1-2. Publication Plan

Document	Date	Comments
CPI Communications Specification -00	March 1993	CPI-C 1.2
CPI Communications Specification -01	June 1994	CPI-C 2.0
CPI Communications Specification -02	YE 1995	CPI-C 2.1