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IEEE P1003.0 Draft 14 – November 1991

E.1.5.1.2 Regional Standards

ECMA has approved ECMA-149 as the standard for the Portable Common Tool Environment (PCTE).

E.1.5.1.3 National Standards

To Be Provided

E.1.5.2 Emerging Standards

This subclause describes the activities currently in progress to further standardize this area.

E.1.5.2.1 International Standards

To Be Provided

E.1.5.2.2 Regional Standards

To Be Provided

CASE Data Interchange Format (CDIF)

The CDIF Technical Committee is developing a data interchange format to serve as an industry standard for exchanging information between Computer-Aided Software Engineering (CASE) tools. CDIF is an EIA-endorsed initiative. It assumes that two or more tools may interface asynchronously with each other and will transfer information from one to another via ''CDIF files.'' The types of information that may be contained in these files is defined by the CDIF Conceptual Models.

Portable Common Tool Environment (PCTE)

ECMA TC33 has responsibility for the development and maintenance of PCTE. The committee formed a Task Group in 1988 to develop a Reference Model which would assist the standardization process. Such a model has been developed totally independent of PCTE, and is described in ECMA Technical Report 55. The model provides a way to describe, compare, and contrast CASE environment frameworks.

E.1.5.2.3 National Standards

To Be Provided

E.1.5.2.4 National Standards

To Be Provided

E.1.5.3 Gaps in Available Standards

E.1.5.3.1 Public Specifications

To Be Provided

E.1.5.3.2 Unsatisfied Service Requirements

To Be Provided

E.1.6 OSE Cross-Category Services

Not applicable.

E.1.7 Related Standards

To Be Provided

E.1.8 Open Issues

— Relationship between methodology and formats

[PCTE and CAIS-A have been moved here largely because it is not clear what to do with them. They are not adequately accommodated by this model. They are both hybrids of operating system and database management system capabilities that seem to belong either everywhere or nowhere. They could both well be used in conjunction with a P1003.1 implementation, but they could also be implemented on other base operating systems, or implementations could even expand their capabilities to provide full operating systems. P1003.0 must decide what to do with them.]

PCTE

An effort by the European Computer Manufacturers Association (ECMA) has resulted in the definition by Technical Committee 33 of the Basis for the Portable Common Tools Environment (PCTE). This is now an ECMA standard and is referred to as Standard ECMA-149.

CAIS-A

MIL-STD-1838A (CAIS-A) was developed by the US Department of Defense to provide a common foundation for Ada Programming Support Environments. Similar in nature to PCTE (see above), it too covers many of the system services covered by 4.2.4. In addition, it provides data management services such as those discussed in 4.4 and data interchange services (specifically, a Common External Form) similar to those discussed in 4.5.

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Editor's Note: This list should be the union of the companies sponsoring Working Group attendees and Balloting Group members. It will appear after balloting begins.

<*to be provided* > <*to be provided* >

In the preceding list, the organizations marked with an asterisk (*) have hosted 1003 Working Group meetings since the group's inception in 1985, providing useful logistical support for the ongoing work of the committees.