TITLE: Explanatory Report for Parts 1-3 of pDISP 14226 - Manufacturing Messaging Specification

SOURCE: OIW

DATE:1994-6-15

STATUS: Final version for submission to ISO/IEC TC 184/SC 5 together with pDISP

This explanatory report has been prepared in accordance with ISO/IEC procedures which specify the taxonomy update, ISP approval, and maintenance process.

A. General Profile Information

1. Profile identification

    These parts of pDISP 14226 cover the profile with taxonomy identifier AMM11, as listed in ISO/IEC TR10000-2:1992.

2. Profile title

    Industrial automation systems - International Standardized Profile AMM11: MMS General Application Base Profile.

3. Submitting organization and contact point

   The submitting organization is

   OIW
   NIST
   Gaithersburg, MD.
   USA

    The editor for all parts of this submission who will serve as contact point during the review and approval process is:

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4. Dates of original notification

Submission of harmonized taxonomy update 1992

5. Maintanence

OIW will maintain this document and the point of the contact is
the identified in item 3 above.

6. Multi-TC ISP MOA

The MOA is contained in JTC1 SGFS N758

B. Base Standards Referenced

1. ISO IEC Standards

ISO/IEC 9506-1:1990, Industrial automation systems - Manufacturing
Message Specification - Part 1: Service definition

ISO/IEC 9506-1:1990/TC1:1994, Industrial automation systems -
Manufacturing Message Specification - Part 1: Service definition
Technical Corrigenda 1

ISO/IEC 9506-2:1990, Industrial automation systems - Manufacturing
Message Specification - Part 2: Protocol specification

ISO/IEC 9506-2:1990/TC1:1994, Industrial automation systems -
Manufacturing Message Specification - Part 2: Protocol specification

Technical Corrigenda 1

ISO/IEC ISP 11188-1:1993, Information Technology - International Standardized Profile - Common Upper Layer Requirements - Part 1: Basic connection oriented requirements

2. Compliance with documentation requirements on conformance

The profile documented in the submitted pDISP parts are in the class of Application Profiles using Connection-mode Transport Service. The documentation requirements in ISO/IEC TR 10000-1 on conformance have been met.

3. Non-compliance with base standards.

There are no aspects of actual or potential non-compliance with base standards.

4. Ammendments and technical corrigenda to base standards which may impact interworking.

Technical Corrigenda 1 has been referenced by this pDISP. Ammendment 1 has not been referenced as it is out of scope and will not impact interworking.

C. Registration Requirements

None

D. Relationship To Other Publications

No national or regional standards are referenced in the parts of the submitted pDISP.

E. Profile Purpose

1. Summary

The AMM set of profiles is applicable to end systems operating in an Open Systems Interconnection (OSI) environment which utilize MMS (ISO/IEC 9506) for communication of real time data and control.

2. Relationship to other ISPs

Part one of this ISP is based on CULR-1.

F. pDISP Development Process

1. Origin and development history

Reasonably mature regional MMS profiles had been developed by both the OIW and EWOS prior to the development of the MMS ISP. The differences between the two were minor in nature. The ISP has been developed at sessions of the MMS SIG at OIW and with members of OIW and AOW in attendence. Review comments from OIW and AOW have been continously resolved resulting in a harmonized document.

2. Degree of openness and harmonization
The working drafts of pDISP 14226 have been regularly reviewed by the MMS groups of all three regional workshops, OIW, EWOS, and AOW.

The parts of pDISP 14226 as submitted are fully harmonized between the three regional workshops and have been endorsed by the plenary assemblies of the three workshops.

3. Joint Planning

The taxonomy for the MHS profiles was agreed between the three workshops and submitted to SGFS in 1992. It is included in the current published version of ISO/IEC TR 10000-2.

G. ISP Content & Format.

1.   The requirements and format as described in TR 10000-1 have been met.

2. Section not applicable.

3. Multi-part Structure.

This ISP consists of three parts. Part one contains the requirements for upper layer protocols based on CULR-1, ISP 11188. Part two contains requirements for all ISPs based on MMS. Part three contains a base set of requirements for use in MMS communications.

4. Multi-TC requirements.

As part one requires ballot by JTC1 in addition to TC 184.

H. Any Other Information

None.