JT-X710
OSI Network Management - Protocol Specification

1.Relations with international standards

(1) This standard defines the protocol for OSI network management. It is based on the 1991 version of ITU-T Recommendations (formerly ITU-T Recommendation) X.710 and X.711, and keeps compatibility and interoperability with International Standard Profiles(ISP) :
ISO/IEC ISP 11183
Part 1 - Specification of ACSE, Presentation and Session Protocols for the use by ROSE and CMISE
Part 2 - CMISE/ROSE for AOM12 - Enhanced Management Communications
Part 3 - CMISE/ROSE for AOM11 - Basic Management Communications

(2) Version 1 (in 1991) of TTC Standard JT-X710 defined the base standard based on the 1991 version of ITU-T Recommendations (formerly ITU-T Recommendation) X. 710 and X.711, and did not define profiles, reasons for the unestablishment of CMIP ISP.
After that, CMIP ISP was established rapidly, this standard was all renewed (and published version 2) for the purpose of harmonized to ISP.
And then, in 1992-autumn, CMIP ISP was decided, this standard was renewed again to version 3 for harmonized to ISP.

(3) This standard needs to keep compatibility and interoperability with other International Standards in standardization of OSI network management trends.

2.Summary of departures from ITU-T Recommendations

(1) The ISP for application layer protocol and application service element of OS I network management is divided to "Enhanced Management Communications (AOM12)" and "Basic Management Communications (AOM11)".
This standard is edited the above two Management Communications as one standard, in order to clarify the corrections.
Table A lists are the comparison between International Standard Profiles and TTC Standard.

(2) Base standard of OSI network management, TTC Standard JT-X710 Version 1-based on ITU-T Recommendations (formerly ITU-T Recommendation) X.710, X.711, is added this standard as Appendix 4.

Table A Comparison between International Standard Profiles and TTC Standard (1/4)

International Standards Profiles	Corresponding TTC Standard	Remarks
	JT-X710	Identical parts of 11183-2 and -3 were integrated.
ISO/IEC ISP 11183-2	1. General description	Added to TTC
1. Scope	3.1 Scope of standard	11183-3 description included
1.1 General	3.1.1 General	(same as above)
1.2 CMIP/ROSE PDUs support	3.1.2 CMIP/ROSE PDUs scope of support	(same as above)
1.3 CMIP functional units	3.1.3 CMIP functional units	(same as above)
1.4 Position within the taxonomy	2. Structure of International Standard Profiles	(same as above)
1.5 Scenario	3.1.4 Relations between the network systems	(same as above)
2. Normative references	--------	To < Reference >
3. Definitions and conventions	3.2 Definitions of symbols	11183-3 description included
3.1 Base standard	3.2.1 Base standard	(same as above)
3.2 Profile	3.2.2 Profile	(same as above)
3.3 Common conditions list conventions	3.2.3 Conditional symbols	(same as above)
4. Abbreviations	Appendix 1 Glossary of terms	(same as above)

Table A Comparison between International Standard Profiles and TTC Standard (2/4)

International Standards Profiles	Corresponding TTC Standard	Remarks
5 Conformance to AOM12	Appendix 2 Conformance	Identical parts of 11183-1,-2 and -3 were integrated.
Ax A ISPICS Requirements List	Annex A ISPICS Requirements List	11183-3 description integrated
ISO/IEC 11183-3		
1. Scope	--------	To 3.1 Scope of standard
1.1 General	--------	To 3.1.1 General
1.2 CMIP/ROSE PDUs support	--------	To 3.1.2 CMIP/ROSE PDUs scope of support
1.3 CMIP functional units	--------	To 3.1.3 CMIP functional units
1.4 Position within the taxonomy	--------	To 2. Structure of International Standard Profile
1.5 Scenario	--------	To 3.1.4 Relations between the two network systems

Ax : Annex

Table A Comparison between International Standard Profiles and TTC Standard (3/4)

International Standards Profiles	Corresponding TTC Standard	Remarks
2. Normative references	--------	To < Reference >
3. Definitions and conventions	--------	To 3.2 Definitions of symbols
3.1 Base standard	--------	To 3.2.1 Base standard
3.2 Profile	--------	To 3.2.2 Profile
3.3 Common conditions list conventions	--------	To 3.2.3 Conditional symbols
4. Abbreviations	--------	To Appendix 1
5. Conformance to AOM11	--------	To Appendix 2
Ax A ISPICS Requirements List	--------	To Annex A
ISO/IEC 11183-1		
1. Scope	4.1 Scope of Standard	
1.1 General	4.1.1 General	
1.2 Position within the taxonomy	--------	To 2.Structure of International Standard Profile
1.3 Scenario	4.1.2. Structure of protocol	
2. Normative references	--------	To < Reference >
3. Definitions	4.2 Definitions of symbols	
3.1 Base standard support	4.2.1 Precondition	
3.2 Profile support level	4.2.2 Symbols of profile	

Ax : Annex

Table A Comparison between International Standard Profiles and TTC Standard (4/4)

International Standards Profiles	Corresponding TTC Standard	Remarks
4. Abbreviations 5. Conformance 6. Association Control Service Element(ACSE) 7. Presentation layer 8. Transfer syntax 9. Session layer AxA ISPICS Requirements List of ACSE, for the use by ROSE and CMISE AxB ISPICS Requirements List of Presentation, for the use by ROSE and CMISE AxC ISPICS Requirements List of Session, for the use by ROSE and CMISE	-------- -------- 4.3 Association Control Service Element 4.4 Presentation layer 4.5 Transfer syntax 4.6 Session layer Annex B Lower layer ISPICS Requirements list (same as above) (same as above)	To Appendix 1 To Appendix 2

Ax : Annex

3.History of Revision

Version No.	Date	Content of revision
1st Version	April 26,1991	First edition
2nd Version	April 28,1992	Revise for established CMIP Profile
3rd Version	April 27,1993	Revise for harmonized to International Standard Profiles

4.Others

(1) Recommendations and Standards for reference
TTC standard :
ITU-T Recommendations (formerly ITU-T Recommendations) :
X.700, X.701, X.721, X.710, X.711, X.712,
X.200, X.217, X.208, X.209, X.215, X.216,
X.219, X.225, X.226, X.227, X.229
ISO Standards : ISO/IEC 7498, ISO/IEC 7498-4,
ISO/IEC 8326, ISO/IEC 8326/AD2,
ISO/IEC 8327, ISO/IEC 8327/AD2,
ISO/IEC CD 8327-2,
ISO/IEC 8649, ISO/IEC 8650,
ISO/IEC 8649:1988/Cor.1,
ISO/IEC 8649:1988/Amd.1,
ISO/IEC 8650:1988/Cor.1,
ISO/IEC 8650:1988/Amd.1,
ISO/IEC DIS 8650-2,
ISO/IEC 8822, ISO/IEC 8823,
ISO/IEC DIS 8823-2,
ISO/IEC 8824, ISO/IEC 8825,
ISO/IEC 9072-1, ISO/IEC 9072-2,
ISO/IEC 9595, ISO/IEC 9596-1, ISO/IEC 9596-2,
ISO/IEC 10040, ISO/IEC 10165-2,
ISO/IEC TR 10000-1:1990,
ISO/IEC TR 10000-2:1990

(2) Other references
If any conflict is found between this standard and the referred Recommendations or Standards, the latter shall govern.