

ISO/IEC 13522-7:2001-04 (E)

Information technology - Coding of multimedia and hypermedia information - Part 7: Interoperability and conformance testing for ISO/IEC 13522-5

Contents		Page
Foreword		v
1	Scope	1
1.1	Context of the scope	1
1.2	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Document structure	4
5	Objectives of conformance testing	4
6	Rationale for MHEG-5 application conformance testing	4
7	Test suite complexity	5
8	MHEG-5 profile identifier	5
8.1	Definition of the profile identifier	5
8.2	Attribute registration	6
8.2.1	Issuer	6
8.2.2	ProfileName and Version	6
8.3	Syntax description of the profile identifier	6
8.4	How to use the profile identifier	6
9	Framework for conformance testing	6
9.1	Overview of the testing process	6
9.2	Documents for testing	7
9.2.1	Protocol Implementation Conformance Statement (PICS)	7
9.3	Test notation	12
9.3.1	Table for the description of test cases	12
9.3.2	Format of the Scenario section	13
9.3.3	Macro format used in test case	14
9.3.4	Macro names	14
9.3.5	Encoding format	14
Annex A (informative) UK Digital Terrestrial Television application domain profile		16
A.1	MHEG-5 profile for the UKEngineProfile1 application domain	16
A.2	Object interchange format	16
A.3	Set of classes	16
A.4	Set of features	16
A.5	Content data encoding	17
A.6	Attribute encoding	17
A.7	UserInput registers	17
A.8	Semantic constraints on the MHEG-5 applications	18
A.9	EngineEvent	18
A.10	GetEngineSupport	19
A.11	Protocol mapping and external interaction	19

Annex B (informative) ISDB (Integrated Services Digital Broadcasting) application domain profile .. 20

B.1	MHEG-5 profile for the ISDB application domain	20
B.2	Object Interchange Format	20
B.3	Set of classes	20
B.4	Set of features	21
B.5	Content data encoding	21
B.5.1	Content encoding	21
B.5.2	Attribute encoding	23
B.6	UserInput registers	23
B.7	Semantic constraints on the MHEG-5 applications	24
B.8	EngineEvent	24
B.9	GetEngineSupport	24
B.10	Protocol napping and external interaction	25
B.11	Resident programs	25
B.11.1	Date and time functions	25
B.11.2	Random number function	26
B.11.3	String manipulation functions	26
B.11.4	Table manipulation functions	26
B.11.5	EPG related functions	26
B.11.6	Group program reservation functions	27
B.11.7	Program Index functions	27
B.11.8	Persistent memory functions	27
B.11.9	WWW related functions	27
B.11.10	Other..... MHEG related functions	27
B.11.11	Two..... way transmission related functions(base level)	28
B.11.12	Two..... way transmission related functions(high level)	28

Annex C (informative) JISC (Japanese Industrial Standards Committee) Application Domain Profile

.....	29	
C.1	MHEG-5 profile for the JISC application domain	29
C.2	Object interchange format	29
C.3	Set of classes	29
C.4	Set of features	29
C.5	Content data encoding	30
C.5.1	Content encoding	30
C.5.2	Attribute representation	30
C.6	InputEventRegister	31
C.7	Semantic constraints on the MHEG-5 applications	32
C.7.1	Constraints on GetEngineSupport	32
C.8	EngineEvent	32
C.9	GetEngineSupport	32
C.10	Protocol mapping and external interaction	32
C.11	ResidentPrograms	33

Annex D (informative) DAVIC Application Domain Profile 34

D.1	Introduction	34
D.2	Object interchange format	34
D.3	Set of dlasses	34
D.4	Set of features	34
D.5	Content data encoding	34
D.5.1	Attribute Encoding	36
D.6	UserInput registers	36
D.7	Constraints on the use of variables	37
D.8	Semantic constraints on the MHEG-5 applications	37
D.9	EngineEvent	38
D.10	GetEngineSupport	38
D.11	TransitionEffect parameter of the TransitionTo elementary action	38
D.12	MHEG-5 resident programs	41
D.12.1	Date and time functions	41

D.12.2	Random number function	43
D.12.3	String manipulation functions	43
D.12.4	Miscellaneous functions	45
D.13	Protocol mapping and external interaction	45
Annex E (informative) Examples for profile identifiers		47
E.1	Japanese profile JTC1	47
E.1.1	International ID	47
E.1.2	Domestic ID	47
Annex F (informative) PICS table		48
F.1.1	PICS Table template	48