

Implementation of ISO/IEC 9041-2 : 1993

**Information technology —
Open Systems Interconnection
— Virtual Terminal Basic Class
Protocol**

**Part 2. Protocol Implementation
Conformance Statement (PICS Proforma)**

National foreword

This British Standard reproduces verbatim ISO/IEC 9041-2 : 1993 and implements it as the UK national standard.

This British Standard is published under the direction of the Information Systems Technology Standards Policy Committee whose Technical Committee IST/21 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
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INTERNATIONAL STANDARD

ISO/IEC
9041-2

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Information technology — Open Systems Interconnection — Virtual Terminal Basic Class Protocol —

Part 2: Protocol Implementation Conformance Statement (PICS Proforma)

*Technologies de l'information — Interconnexion de systèmes ouverts
(OSI) — Protocole de classe de base de terminal virtuel —*

*Partie 2: Formulaire de déclaration de conformité d'une mise en
œuvre du protocole (PICS)*



Reference number
ISO/IEC 9041-2:1993(E)

AVA Documents
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Contents	Page
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Definitions	1
5 Abbreviations	1
Annexes	
A PICS Proforma	2
A.1 Identification	2
A.2 VT service options	5
A.3 VT environment parameters	6
A.4 Supported VT PDUs	24
A.5 VTPDU Parameters	26
A.6 Lower Level Negotiation Elements	46
B Conditional expressions	62

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 9041-2 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 21, *Open systems interconnection, data management and open distributed processing*.

ISO/IEC 9041 consists of the following parts, under the general title *Information technology — Open Systems Interconnection — Virtual Terminal Basic Class Protocol*:

- *Part 1: Specification*
- *Part 2: Protocol Implementation Conformance Statement (PICS Proforma)*

Annexes A and B form an integral part of ISO/IEC 9041-2.

Introduction

This International Standard is one of a set of International Standards produced to facilitate the interconnection of information processing systems. It is related to other International Standards in the set as defined by the Reference Model for Open Systems Interconnection (ISO 7498). The Reference Model subdivides the area of standardization for interconnection into a series of layers of specification, each of manageable size.

The goal of Open Systems Interconnection is to allow, with a minimum of technical agreement outside the interconnection standards, the interconnection of information processing systems:

- from different manufacturers;
- under different managements;
- of different levels of complexity; and
- of different technologies.

The first part of this multi-part International Standard specifies the protocol for the application-service element for the Basic Class Virtual Terminal.

To evaluate the conformance of a particular implementation, it is necessary to have a description of the capabilities and options which have been implemented. Such a description is called a Protocol Implementation Conformance Statement (PICS).

This part of this multi-part International Standard includes the PICS proforma for the Basic Class Virtual Terminal protocol as defined in the first part of this multi-part International Standard.

Information technology – Open Systems Interconnection – Virtual Terminal Basic Class Protocol –

Part 2:

Protocol Implementation Conformance Statement (PICS Proforma)

1 Scope

This part of ISO/IEC 9041 provides the PICS proforma for the Basic Class Virtual Terminal protocol as specified in ISO/IEC 9041-1 in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-2

This part of ISO/IEC 9041 defines a guideline to be used when appraising the conformance of Virtual Terminal implementations. It does not specify either the Virtual Terminal Protocol or the Virtual Terminal Service description.

2 Conformance

The supplier of a protocol implementation which is claimed to conform to ISO 9041-1 is required to complete a copy of the PICS proforma provided in annex A and is required to provide the information necessary to identify both the supplier and the implementation.

3 Normative references

ISO 9040 : 1990, *Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Service*.

ISO 9040 : 1990/Amd.2 : 1991, *Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Service - Amendment 2: Additional functional units*.

ISO 9041-1 : 1990, *Information Technology - Open Systems Interconnection - Virtual Terminal Basic Class Protocol - Part 1: Specification*.

ISO 9041-1 : 1990/Amd.2 : 1991, *Information technology - Open Systems Interconnection - Virtual Terminal Basic Class Protocol - Part 1: Specification - Amendment 2: Additional functional units*.

ISO/IEC 9646-1 : 1991, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts*.

ISO/IEC 9646-2 : 1991, *Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification*.

ISO/IEC TR 10000-2: 1992, *Information technology - Framework and taxonomy of International Standardized Profiles - Part 2: Taxonomy of Profiles*.

NOTE – Throughout the tables in this part of ISO/IEC 9041, references to the base text of ISO 9040 and ISO 9041-1 are made in the base reference columns using the abbreviations S or P with a clause number. This should be interpreted to mean a reference to the Service standard or to the Protocol standard respectively. Where the letter T appears with S or P, the reference is to a table number in the service or the protocol. To obtain a reference for a particular entry, the reader should either take the reference as specified or take the previous (higher) reference in that column of the table.

4 Definitions

This part of ISO/IEC 9041 uses the following terms defined in ISO/IEC 9646-1:

- a) PICS proforma;
- b) protocol implementation conformance statement (PICS);

5 Abbreviations

This part of ISO/IEC 9041 uses the following abbreviation defined in ISO/IEC 9646-1:

PICS: Protocol Implementation Conformance Statement

Annex A¹

(normative)

**Protocol Implementation Conformance Statement (PICS) Proforma for the
VT Protocol****A.1 Identification****A.1.1 Guidance for completion**

This clause is used to record the date of completion of the PICS, and to describe the supplier of the implementation, the implementation itself and the standards to which the implementation is claimed to conform.

A.1.2 Date**Table A.1 - Date**

Ref.	Question	Response
1	Date of statement (yy-mm-dd)	

A.1.3 Supplier details**Table A.2 - Supplier details**

Ref.	Question	Response
1	Organisation	
2	Contact name (s)	
3	Address	
4	Telephone	
5	Telex	
6	Fax	
7	E-mail	
8	Other information	

1. Copyright release for PICS proformas

Users of this International Standard may freely reproduce the PICS proforma in this annex so that it can be used for its intended purpose and may further publish the completed PICS.

A.1.4 Implementation details

Table A.3 - Implementation details

Ref.	Question	Response
1	Implementation name	
2	Version	
3	Hardware name	
4	Hardware version	
5	Operating system name	
6	Operating system version	
7	Special configuration requirements	
8	Other Information	

A.1.5 Claimed compliance to standards

A.1.5.1 ISO/IEC 9041

Table A.4 - Protocol details

Ref.	Question	Response
1	Are all the mandatory features of ISO 9041-1 implemented? See note.	
2	Is amendment 2 to ISO 9041-1 supported?	

A.1.5.2

Note – Answering "no" to this question indicates non-conformance to ISO 9041-1. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming.

A.1.5.3 Corrigenda implemented

Table A.5 shall be used to list Corrigenda to ISO 9041-1 and its amendments which have been implemented. Only those corrigenda should be listed which affect conformance.

Table A.5 - Corrigenda details

Ref.	Number	Description
1		
2		
3		

A.1.5.4 Defect report solutions implemented

There is not necessarily a one to one correspondence between defect reports solutions and Corrigenda. Only those defect report solutions which affect conformance should be listed.

Table A.6 - Defect report details

Ref.	Number	Description
1		
2		
3		

A.1.5.5 Application profiles

Support for specified Application Profiles shall be indicated by the following categorization for the "Support" column.

y : supported

This Application Profile is supported by the implementation.

- : not supported

This Application Profile is not supported by the implementation.

Table A.7 – Application profile support

Ref.	Feature	Sta- tus	Refer- ence	Supp ort
	Profiles in the TR10000-2 Taxonomy			
	AVT1n A-mode Application Profiles			
	AVT11 A-mode Default Profile	c1	S A.4	
2	AVT12 Telnet			
3	AVT13 Scroll			
4	AVT14 CCITT X.3 PAD Interworking			
5	AVT15 Transparent			
6	AVT16 Generalized Telnet			
	AVT2n S-mode Application Profiles			
7	AVT21 S-mode Default	c1	S A.3	
8	AVT22 Forms			
9	AVT23 Paged			
10	AVT24 Enhanced Forms			
11	AVT25 Enhanced Paged			
	List of other registered Application Profiles supported			

A.1.5.6 Other information

Table A.8 - Other details

Ref.	Response
1	

A.2 VT service options

A.2.1 Functional units

Table A.9 summarizes the VT functional units available to the VT service user. The following classification is used in the "status" column:

o : optional

This functional unit is defined as optional in ISO 9040 and may be supported by implementations claiming to conform with ISO 9041.

c : conditional

This functional unit is defined as optional but it is also defined as conditional on the selection of other functional units defined as optional in ISO 9040 and shall be supported wherever those conditions are met by implementations claiming to conform with ISO 9041.

To specify the level of support for each Functional Unit, the following classification shall be used to fill in the "support" column:

y : supported

This functional unit is supported.

- : not supported

This functional unit is not supported.

Table A.9 - Functional units

Ref.	Functional Units	Status	Base Ref.	Support
1	Switch Profile Negotiation	c2	S 10.1.1	
2	Multiple Interaction Negotiation	o	S 10.1.2	
3	Negotiated Release	o	S 10.2	
4	Urgent Data	o	S 10.3	
5	Break	o	S 10.4	
6	Enhanced Access-rules	o	S 10.5	
7	Structured Control Objects	c3	S 10.6	
8	Blocks	o	S 10.7	
9	Fields	o	S 10.8	
10	Reference	o	S 10.9	
11	Ripple	o	S2 6.2	
12	Exceptions	o	S2 6.2	
13	Context	o	S2 6.2	

A.2.2 Mode

Table A.10 below summarises the VT mode of operation facilities available to the VT service user.

The following classification is used in the "status" column:

o : optional

This mode is defined as optional in ISO 9040 and may be supported by implementations claiming to conform with ISO 9041.

c : conditional

This mode is defined as conditional in ISO 9040. Either S-mode or A-mode shall be supported by implementations claiming to conform with ISO 9041.

To specify the level of support for each mode, the following classification shall be used to fill in the "support" column:

y : supported

This mode is supported.

- : not supported

This mode is not supported.

Table A.10 - VT mode

Ref.	Feature	Status	Base Ref.	Support
1	S-mode	o	S 8.1	
2	A-mode	o	S 8.2	
3	Mode switching	o	S 8	

A.3 VT environment parameters

This clause lists the VTE-parameters that are required by ISO 9040 for the single Display Object defined for S-mode or the screen Display Object for A-mode and specifies the values that each may carry. The following classification is used in the "status" column:

m : mandatory

This VTE-parameter or value is mandatory in ISO 9040 and shall be supported by implementations claiming to conform with ISO 9041.

o : optional

This VTE-parameter or value is optional in ISO 9040 may be supported by implementations claiming to conform with ISO 9041.

c : conditional

This VTE-parameter or value is conditional and support is conditional on the value(s) of other VTE-parameter(s) in ISO 9040 and shall be supported wherever those conditions are met by implementations claiming to conform with ISO 9041.

To specify the level of support for each VTE-parameter, the following classification shall be used to fill in the "support" column:

y : supported

This VTE-parameter or parameter value is supported by this implementation.

- : not supported

This VTE-parameter or parameter value is not supported by this implementation.

The "allowed values" column identifies for each item the values that it is permitted to take as defined in ISO 9040.

The "default" column identifies for each item which of the "allowed values" is defined to be the default value in ISO 9040.

The "supported values" column shall be filled in to identify which of the "allowed values" is supported by this implementation. If all "allowed values" are supported, then "all" shall be used to fill in this column.

If it is not possible to fit in sufficient information in the table for a specific entry, then a reference may be inserted in the "Extra Info Ref" column. Additional sheets may then be filled in to satisfy the reference.

A.3.1 Display object parameters (S-mode)

Table A.11 - Miscellaneous display object VTE parameters (S-mode)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	display-object-name	S 18.1	m			Any PrintableString			
2	erasure-capability	S 18.1	o		"no"	"yes", "no"			
3	DO-access	S 18.1	m			"WAVAR"			
4	block-definition-capability	S 18.1	c4		"no"	"yes", "no"			
5	b-bound	S 18.2.1	c4		1	1....N, "unbounded"			
6	field-definition-capability	S 18.1	c5		"no"	"yes", "no"			
7	max-fields	S 18.2.2	c5		1	1....N, "unbounded"			
8	max-field-elements	S 18.2.2	c5		1	1....N, "unbounded"			
9	access-outside-fields	S 18.2.2	c5		"allowed"	"allowed", "not allowed"			
10	ripple-capability	S2 8.2	c89		"no"	"yes", "no"			

A.3.2 Display object parameters (A-mode DO A)

Table A.12 - Miscellaneous display object VTE parameters (A-mode DO A)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	display-object-name	S 18.1	m			Any PrintableString			
2	erasure-capability	S 18.1	o		"no"	"yes", "no"			
3	DO-access	S 18.1	m		see note	"WACI" & "WACA"			
4	block-definition-capability	S 18.1	c4		"no"	"yes", "no"			
5	b-bound	S 18.2.1	c4		1	1....N, "unbounded"			
6	field-definition-capability	S 18.1	c5		"no"	"yes", "no"			
7	max-fields	S 18.2.2	c5		1	1....N, "unbounded"			
8	max-field-elements	S 18.2.2	c5		1	1....N, "unbounded"			
9	access-outside-fields	S 18.2.2	c5		"allowed"	"allowed", "not allowed"			
10	ripple-capability	S2 8.2	c89		"no"	"yes", "no"			

NOTE – In A-mode, one display object takes the value "WACI" whilst the other takes the value "WACA".

A.3.3 Display object parameters (A-mode DO B)

Table A.13 - Miscellaneous display object VTE parameters (A-mode DO B)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	display-object-name	S 18.1	m			Any PrintableString			
2	erasure-capability	S 18.1	o		"no"	"yes", "no"			
3	DO-access	S 18.1	m		see note	"WACI" & "WACA"			
4	block-definition-capability	S 18.1	c4		"no"	"yes", "no"			
5	b-bound	S 18.2.1	c4		1	1....N, "unbounded"			
6	field-definition-capability	S 18.1	c5		"no"	"yes", "no"			
7	max-fields	S 18.2.2	c5		1	1....N, "unbounded"			
8	max-field-elements	S 18.2.2	c5		1	1....N, "unbounded"			
9	access-outside-fields	S 18.2.2	c5		"allowed"	"allowed", "not allowed"			
10	ripple-capability	S2 8.2	c89		"no"	"yes", "no"			

Note – In A-mode, one display object takes the value "WACI" whilst the other takes the value "WACA".

A.3.4 Display addressing parameters (S-mode)

Table A.14 - Addressing VTE parameters (S-mode)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	dimensions	S 18.1	m		"two"	"one", "two", "three"			
	x-dimension								
2	x-bound	S 18.2.3	m		"unbounded"	1....N, "unbounded"			
3	x-addressing		m		"higher"	"no constraint", "higher only", "not permitted"			
4	x-absolute		m		"no"	"yes", "no"			
5	x-window		m		S18.2.3	1....N, "unbounded"			
	y-Dimension								
6	y-bound		c6		"unbounded"	1....N, "unbounded"			
7	y-addressing		c6		"higher"	"no constraint", "higher only", "not permitted"			
8	y-absolute		c6		"no"	"yes", "no"			
9	y-window		c6		S18.2.3	1....N, "unbounded"			
	z-Dimension								
10	z-bound		c9		"unbounded"	1....N, "unbounded"			
11	z-addressing		c9		"higher"	"no constraint", "higher only", "not permitted"			
12	z-absolute		c9		"no"	"yes", "no"			
13	z-window		c9		S18.2.3	1....N, "unbounded"			

A.3.5 Display addressing parameters (A-mode DO A)

Table A.15 - Addressing VTE parameters (A-mode DO A)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	dimensions	S 18.1	m		"two"	"one", "two", "three"			
	x-dimension								
2	x-bound	S 18.2.3	m		"unbounded"	1....N, "unbounded"			
3	x-addressing		m		"higher"	"no constraint", "higher only", "not permitted"			
4	x-absolute		m		"no"	"yes", "no"			
5	x-window		m		S18.2.3	1....N, "unbounded"			
	y-Dimension								
6	y-bound		c7		"unbounded"	1....N, "unbounded"			
7	y-addressing		c7		"higher"	"no constraint", "higher only", "not permitted"			
8	y-absolute		c7		"no"	"yes", "no"			
9	y-window		c7		S18.2.3	1....N, "unbounded"			
	z-Dimension								
10	z-bound		c10		"unbounded"	1....N, "unbounded"			
11	z-addressing		c10		"higher"	"no constraint", "higher only", "not permitted"			
12	z-absolute		c10		"no"	"yes", "no"			
13	z-window		c10		S18.2.3	1....N, "unbounded"			

A.3.6 Display addressing parameters (A-mode DO B)

Table A.16 - Addressing VTE parameters (A-mode DO B)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	dimensions	S 18.1	m		"two"	"one", "two", "three"			
	x-dimension								
2	x-bound	S 18.2.3	m		"unbounded"	1....N, "unbounded"			
3	x-addressing		m		"higher"	"no constraint", "higher only", "not permitted"			
4	x-absolute		m		"no"	"yes", "no"			
5	x-window		m		S18.2.3	1....N, "unbounded"			
	y-Dimension								
6	y-bound		c8		"unbounded"	1....N, "unbounded"			
7	y-addressing		c8		"higher"	"no constraint", "higher only", "not permitted"			
8	y-absolute		c8		"no"	"yes", "no"			
9	y-window		c8		S18.2.3	1....N, "unbounded"			
	z-Dimension								
10	z-bound		c11		"unbounded"	1....N, "unbounded"			
11	z-addressing		c11		"higher"	"no constraint", "higher only", "not permitted"			
12	z-absolute		c11		"no"	"yes", "no"			
13	z-window		c11		S18.2.3	1....N, "unbounded"			

A.3.7 Character attributes VTE parameters

A.3.7.1 Basic parameters (S-mode)

Table A.17 - Character attribute parameters (S-mode)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	repertoire-capability	S 18.1	m		1	1....N			
2	repertoire-assignment	S 18.2.4	m		IRV 646	Any standardised repertoire	See table A.20		
3	font-capability	S 18.2.4	m		1	1....N			
4	font-assignment	S 18.3	m		dev-dep	See S 18.3	See table A.20		
5	emphasis	S 18.2.6	m		S18.2.6	See S 18.3.6	See table A.23		
6	foreground-colour-capability	S 18.1	m		1	1....N			
7	foreground-colour-assignment	S 18.2.5	m		dev-dep	See S 18.2.5	See table A.26		
8	background-colour-capability	S 18.1	m		1	1....N			
9	background-colour-assignment	S 18.2.5	m		dev-dep	See S 18.2.5	See table A.26		

A.3.7.2 Basic parameters (A-mode DO A)

Table A.18 - Character attribute parameters (A-mode DO A)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	repertoire-capability	S 18.1	m		1	1....N			
2	repertoire-assignment	S 18.2.4	m		IRV 646	Any standardised repertoire	See table A.21		
3	font-capability	S 18.2.4	m		1	1....N			
4	font-assignment	S 18.3	m		dev-dep	See S 18.3	See table A.21		
5	emphasis	S 18.2.6	m		S18.2.6	See S 18.3.6	See table A.27		
6	foreground-colour-capability	S 18.1	m		1	1....N			
7	foreground-colour-assignment	S 18.2.5	m		dev-dep	See S 18.2.5	See table A.27		
8	background-colour-capability	S 18.1	m		1	1....N			
9	background-colour-assignment	S 18.2.5	m		dev-dep	See S 18.2.5	See table A.27		

A.3.7.3 Basic parameters (A-mode DO B)

Table A.19 - Character attribute parameters (A-mode DO B)

Ref.	Name of Item	Reference	Status	Support	Default	Type/Length/Value		Negotiable	Extra Info. Ref.
						Allowed Values	Supported Values		
1	repertoire-capability	S 18.1	m		1	1....N			
2	repertoire-assignment	S 18.2.4	m		IRV 646	Any standardized repertoire	See table A.22		
3	font-capability	S 18.2.4	m		1	1....N			
4	font-assignment	S 18.3	m		dev-dep	See S 18.3	See table A.22		
5	emphasis	S 18.2.6	m		S18.2.6	See S 18.3.6	See table A.25		
6	foreground-colour-capability	S 18.1	m		1	1....N			
7	foreground-colour-assignment	S 18.2.5	m		dev-dep	See S 18.2.5	See table A.28		
8	background-colour-capability	S 18.1	m		1	1....N			
9	background-colour-assignment	S 18.2.5	m		dev-dep	See S 18.2.5	See table A.28		

A.3.7.4 Repertoire and font support (S-mode)

Entries in the following table shall be completed for each repertoire that is supported.

Table A.20 - Repertoire and font support (S-mode)

Repertoire name	
Standard name	
Register reference ISO 2022 only - up to 4 escape sequences	
List of fonts supported Name of font Standard name (if any) Identifier used in protocol . . .	
.	

A.3.7.5 Repertoire and font support (A-mode DO A)

Entries in the following table shall be completed for each repertoire that is supported.

Table A.21 - Repertoire and font support (A-mode DO A)

Repertoire name	
Standard name	
Register reference ISO 2022 only - up to 4 escape sequences	
List of fonts supported Name of font Standard name (if any) Identifier used in protocol . . .	
.	

A.3.7.6 Repertoire and font support (A-mode DO B)

Entries in the following table shall be completed for each repertoire that is supported.

Table A.22 - Repertoire and font support (A-mode DO B)

Repertoire name	
Standard name	
Register reference ISO 2022 only - up to 4 escape sequences	
List of fonts supported Name of font Standard name (if any) Identifier used in protocol . . .	
.	

A.3.7.7 Emphasis support (S-mode)

The following table shall be filled in to identify the level of support for emphasis:

Table A.23 - Emphasis support (S-mode)

Is the scheme in S B.17.3 supported (ans: yes or no)	
If yes, list the sub-attribute values supported	
subattribute a values	
subattribute b values	
subattribute c values	
subattribute d values	
subattribute e values	
subattribute f values	
If other schemes are supported give a detailed description of each such scheme.	
.	
.	
.	
.	

A.3.7.8 Emphasis support (A-mode DO A)

The following table shall be filled in to identify the level of support for emphasis:

Table A.24 - Emphasis support (A-mode DO A)

Is the scheme in S B.17.3 supported (ans: yes or no)	
If yes, list the sub-attribute values supported	
subattribute a values	
subattribute b values	
subattribute c values	
subattribute d values	
subattribute e values	
subattribute f values	
If other schemes are supported give a detailed description of each such scheme.	
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A.3.7.9 Emphasis support (A-mode DO B)

The following table shall be filled in to identify the level of support for emphasis:

Table A.25 - Emphasis support (A-mode DO B)

Is the scheme in S B.17.3 supported (ans: yes or no)	
If yes, list the sub-attribute values supported	
subattribute a values	
subattribute b values	
subattribute c values	
subattribute d values	
subattribute e values	
subattribute f values	
If other schemes are supported give a detailed description of each such scheme.	
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A.3.7.10 Foreground and background colour support (S-mode)

The following table shall be completed to indicate the level of support for foreground and background colour:

Table A.26 - Colour support (S-mode)

Items	Foreground	Background colour
Colour scheme name		
Standard name		
Register reference(if any)		
List of colours		
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