

Telecommunications and Information Exchange Between Systems

ISO/IEC JTC 1/SC 6

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Date:	2009-12-30
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Result of voting

Ballot Information:

Ballot reference:	Text for PDAM ballot, Amendment 2 to ISO/IEC 9594-All parts(6N14092)
Ballot type:	CD/FCD
Ballot title:	Text for PDAM ballot, Amendment 2 to ISO/IEC 9594-All parts
Opening date:	2009-09-29
Closing date:	2009-12-29
Note:	

Member responses:

Votes cast (16)	Belgium (NBN) Canada (SCC) China (SAC) Czech Republic (UNMZ) France (AFNOR) Germany (DIN) Kazakhstan (KAZMEMST) Kenya (KEBS) Korea, Republic of (KATS) Luxembourg (ILNAS) Netherlands (NEN) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)
Comments submitted (1)	Ukraine (DSSU)
Votes not cast (3)	Greece (ELOT) Japan (JISC) Venezuela (FONDONORMA)

Questions:

Q.1	"Do you agree with approval of the CD/FCD Text?"
Q.2	"If you approve the CD/FCD Text with comments, would you please indicate which type ? (General, Technical or Editorial)"
Q.3	"If you Disapprove the Draft, would you please indicate if you accept to change your vote to Approval if the reasons and appropriate changes will be accepted?"

Answers to Q.1: "Do you agree with approval of the CD/FCD Text?"		
12 x	Approval as presented	China (SAC) Czech Republic (UNMZ) Kazakhstan (KAZMEMST) Kenya (KEBS) Korea, Republic of (KATS) Luxembourg (ILNAS) Netherlands (NEN) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)
2 x	Approval with comments	Canada (SCC) France (AFNOR)
0 x	Disapproval of the draft	
2 x	Abstention	Belgium (NBN) Germany (DIN)

Answers to Q.2: "If you approve the CD/FCD Text with comments, would you please indicate which type ? (General, Technical or Editorial)"		
1 x	General	Kazakhstan (KAZMEMST)
0 x	Technical	
2 x	Editorial	Canada (SCC) France (AFNOR)
0 x	All	
13 x	Ignore	Belgium (NBN) China (SAC) Czech Republic (UNMZ) Germany (DIN) Kenya (KEBS) Korea, Republic of (KATS) Luxembourg (ILNAS) Netherlands (NEN) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)

Answers to Q.3: "If you Disapprove the Draft, would you please indicate if you accept to change your vote to Approval if the reasons and appropriate changes will be accepted?"		
1 x	Yes	France (AFNOR)

0 x	No	
15 x	Ignore	Belgium (NBN) Canada (SCC) China (SAC) Czech Republic (UNMZ) Germany (DIN) Kazakhstan (KAZMEMST) Kenya (KEBS) Korea, Republic of (KATS) Luxembourg (ILNAS) Netherlands (NEN) Russian Federation (GOST R) Spain (AENOR) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)

Comments from Voters		
Member:	Comment:	Date:
Canada (SCC)	<i>Comment File</i>	2009-12-21 14:26:30
CommentFiles/Text_for_PDAM_ballot,_Amendment_2_to_ISO_IEC_9594-All_parts(6N14092)_SCC.doc		
France (AFNOR)	<i>Comment File</i>	2009-12-16 12:06:13
CommentFiles/Text_for_PDAM_ballot,_Amendment_2_to_ISO_IEC_9594-All_parts(6N14092)_AFNOR.doc		

Comments from Commenters		
Member:	Comment:	Date:
Ukraine (DSSU)	<i>Comment</i>	2009-12-18 10:37:00
abstention		

0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted

1	FR	Part 2 Part 3 Part 7 Part 8 Part 9		Ed	<p>For consistency between names used for object-classes, attributes, matching rules, object identifiers, types and identifiers, it should be preferable :</p> <ul style="list-style-type: none"> - to use names beginning with “pwd” for names specific to password policy, - to use names beginning with “userPwd” for names specific to the attribute userPwd 	<p><i>Change the names as follows:</i></p> <p>myPwdAttribute -> pwdAttribute (Part 2: 14.9 and Annex B)</p> <p>id-at-myPwdAttribute -> id-at-pwdAttribute (Part 2: 14.9 and Annex B, Part 6: Annex A)</p> <p>passwordHistory{} -> pwdHistory{} (Part 2: 14.9.1 and Annex B, Part 8: 18.1.5.7 and Annex A.1)</p> <p>PasswordHistory{} -> PwdHistory{} (Part 2: 14.9.1 and Annex B)</p> <p>recentlyExpiredPassword{} -> pwdRecentlyExpired{} (Part 2: 14.9.2 and Annex B, Part 8: 18.1.5.8 and Annex A.1)</p> <p>passwordHistoryMatch{} -> pwdHistoryMatch{} (Part 2: 14.9.3 and Annex B, Part 8: 18.1.11 and Annex A.1)</p> <p>recentlyExpiredPwdDuration -> pwdRecentlyExpiredDuration (Part 2: 14.9, Part 8: 18.1.3, figure 11, 18.1.5.8, 18.1.6.14, Annex A.1, Part 9: 9.2.2)</p>	
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¹ NB = National body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the Secretariat editing unit are identified by **)

² Type of comment: ge = general te = technical ed = editorial NOTE Columns 1, 2, 4, 5 are compulsory. ISO electronic balloting commenting template (enhanced 2002-08)

Comments on ISO/IEC 9594 All parts PDAM2					Date: 2009-12-15	Document: JTC 1/SC6 N 14092	
0	1	2	(3)	4	5	(6)	(7)
#	NB ¹	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
						<div>id-oa-recentlyExpiredPwdDuration -> id-oa-pwdRecentlyExpiredDuration (Part 8: 18.1.6.14, Annex A.1)</div> <div>gracesUsed -> pwdGracesUsed (Part 8: 18.1.5.6, Annex B, Part 9: 9.2.2)</div> <div>id-oa-gracesUsed -> id-oa-pwdGracesUsed (Part 8: 18.1.5.6, Annex B)</div> <div>pwdHistory -> userPwdHistory (Part 2: 14.9, Part 8: 18.1.5.7, 18.1.6.11, 18.1.6.12, 18.1.11, Annex B, Part 9: 9.2.2)</div> <div>id-oa-pwdHistory -> id-oa-userPwdHistory (Part 8: 18.1.5.7, Annex B)</div> <div>recentlyExpiredPwd -> userPwdRecentlyExpired (Part 8: 18.1.3, 18.1.5.1, 18.1.5.8, 18.1.6.14, Annex B, Part 9: 9.2.2)</div> <div>id-oa-recentlyExpiredPwd -> id-oa-pwdRecentlyExpired (Part 8: 18.1.5.8, Annex B)</div> <div>modifyEntryPwdAllowed -></div>	

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Comments on ISO/IEC 9594 All parts PDAM2					Date: 2009-12-15	Document: JTC 1/SC6 N 14092	
0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
						<p>pwdModifyEntryAllowed (Part 2: 14.9, Part 8: 18.1.6.1, Annex B, Part 9: 9.2.2)</p> <p>id-oa-modifyEntryPwdAllowrd -> id-oa-pwdModifyEntryAllowed (Part 8: 18.1.6.1, Annex B)</p> <p>changePwdAllowed -> pwdChangeAllowed (Part 2: 14.9, Part 8: 18.1.6.2, Annex B, Part 9: 9.2.2)</p> <p>id-oa-changedPwdAllowed -> id-oa-pwdChangedAllowed (Part 8: 18.1.6.2, Annex B)</p> <p>minPwdLength -> pwdMinLength (Part 2: 14.9, Part 8: 18.1.6.5.1, Annex B, Part 9: 9.2.2)</p> <p>id-oa-minPwdLength -> id-oa-pwdMinLength (Part 8: 18.1.6.5.1, Annex B)</p> <p>pwdHistoryMatch -> userPwdHistoryMatch (Part 2: 14.9, Part 8: 18.1.5.7, 18.1.11, Annex B)</p> <p>id-mr-pwdHistoryMatch -></p>	

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Comments on ISO/IEC 9594 All parts PDAM2					Date: 2009-12-15	Document: JTC 1/SC6 N 14092	
0	1	2	(3)	4	5	(6)	(7)
#	NB ¹	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
						id-mr-userPwdHistoryMatch <i>(Part 2: Annex A, Part 8: 8.1.11, Annex B)</i> insufficientPasswordQuality -> pwdInsufficientQuality <i>(Part 3: 11.5.4, 11.6.3, 12.9, Annex A)</i> passwordInHistory -> pwdInHistory <i>(Part 3: 11.5.4, 11.6.3, 12.9, Annex A)</i> noPasswordSlot -> pwdHistoryFull <i>(Part 3: 11.5.4, 12.9, Annex A)</i> password -> userPwdClass <i>(Part 7: 6.5 and Annex A)</i> Id-oc-password -> id-oc-userPwdClass <i>(Part 7: 6.5 and Annex A)</i>	
2	FR	Part 2 Clause 14.9.3		Ed	In the definition of the parameterized type passwordHistoryMatch , the object class name ATTRIBUTE used as governor shall be followed by “:.”	Replace “,” with “:.” after ATTRIBUTE .	
3	FR	Part 2 Annex B		Ed	The definition of pwdAdminSubentry is not the same as in 14.9	Replace the definition of <i>pwdAdminSubentry</i> with: pwdAdminSubentry OBJECT-CLASS ::= { KIND auxiliary	

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0	1	2	(3)	4	5	(6)	(7)
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						MUST CONTAIN { pwdAttribute } ID id-sc-pwdAdminSubentry } <i>Add after the list of attributes:</i> id-at-pwdAttribute OBJECT IDENTIFIER ::= {id-at 84}	
4	FR	Part 2 Clause 11.5.2		Te	A new kind of specific area is needed for passwords.	<i>In 11.5.2, replace the sentence:</i> There are five kinds of specific administrative area <i>with:</i> There are six kinds of specific administrative area <i>At the end of 11.5.2, add:</i> - Password administrative areas.	
5	FR	Part 3 Clause 11.5.1		Te	The change password and administer password operations should optionally contain CommonResultSeq	<i>In 11.5.1, replace:</i> ChangePasswordResult ::= NULL with: ChangePasswordResult ::= CHOICE { null NULL, information OPTIONALLY-PROTECTED-SEQ {SEQUENCE { COMPONENTS OF CommonResultSeq}}} <i>In 11.6.1, replace:</i> AdministerPasswordResult ::= NULL with: ChangePasswordResult ::= CHOICE { null NULL, information	

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Comments on ISO/IEC 9594 All parts PDAM2					Date: 2009-12-15	Document: JTC 1/SC6 N 14092	
0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
						OPTIONALLY-PROTECTED-SEQ {SEQUENCE { COMPONENTS OF CommonResultSeq}}}	
6	FR	Part 3 Clause 11.6		Ed	This clause contains two subclauses 11.6.2	<i>Renumber the subclauses 11.6.1 to 11.6.4.</i>	
7	FR	Part 3: Clause 12.7 l)		Ed	insufficientQuality should be pwdInsufficientQuality	Replace insufficientQuality with pwdInsufficientQuality	
8	FR	Part 3 Clause 14.9		Te	The attribute userPwdHistory is not defined	<i>Taking account the comment FR 1, replace the last sentence of the fourth paragraph with: The attribute userPwdRecentlyExpired and the matching rule userPwdHistoryMatch are defined for the userPwd attribute using the UserPwd type.</i>	
9	FR	Part 5 Clause 12.2.3		Te	Add a note after 12.2.3 about chaining of new operations.	<i>Add a note to the end of 12.2.3: NOTE – This latter extension rule requires that any new operation that might be chained must have its argument defined as a sequence type where the first component shall be the name of the object to which the operation is addressed.</i>	
10	FR	Part 5 Clause 13.1.1		Te	The paragraph b) should be updated for password policy.	<i>Replace b) with: b) the bind security level(s) for which conformance is claimed (none, simple, strong – and if simple, then whether without password, with password or with protected-password); and whether the DUA can generate signed arguments or validate signed results;</i>	

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0	1	2	(3)	4	5	(6)	(7)
#	NB ¹	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted

11	FR	Part 5 Clause 13.2.1		Te	<p>The paragraphs e) and f) should be updated for password policy</p>	<p><i>Replace e) and f) with:</i></p> <p>If conformance is claimed to the application-context specified by directoryAccessAC and/or associated with the dap-ip protocol, the bind security level(s) for which conformance is claimed (none, simple, strong, <u>SPKM, SASL</u> – and if simple, then whether without password, with password, or with protected password <u>or the userPwd is supported for password policy</u>); whether the DSA can perform originator authentication as defined in 22.1 of ITU-T Rec. X.518 ISO/IEC 9594-4 and if so, whether identity-based or signature-based; and whether the DSA can perform result authentication as defined in 22.2 of ITU-T Rec. X.518 ISO/IEC 9594-4.</p> <p>f) If conformance is claimed to the application-context specified by directorySystemAC and/or associated with the dsp-ip protocol, the bind security level(s) for which conformance is claimed (none, simple, strong, <u>SPKM, SASL</u> – and if simple, then whether without password, with password, or with protected password); whether the DSA can perform originator authentication as defined in 22.1 of ITU-T Rec. X.518 ISO/IEC 9594-</p>	
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Comments on ISO/IEC 9594 All parts PDAM2					Date: 2009-12-15	Document: JTC 1/SC6 N 14092	
0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
						4 and if so, whether identity-based or signature-based; and whether the DSA can perform result authentication as defined in 22.2 of ITU-T Rec. X.518 ISO/IEC 9594-4.	
12	FR	Part 6 Annex A		Ed	Errors in the following definitions: -- id-at-pwdAttributeType OBJECT IDENTIFIER ::= {id-at 84} -- id-at-userPwd OBJECT IDENTIFIER ::= {id-at 85}	Replace with: -- id-at-pwdAttribute OBJECT IDENTIFIER ::= {id-at 84} -- id-at-userPwd OBJECT IDENTIFIER ::= {id-at 85} X.509/Part 8	
13	FR	Part 8 Clause 18.1.3		Te	“administrative domain” should be replaced with “specific password administrative area”.	Replace the last sentence of the 7 th paragraph of 18.1.3 with: All entries in the same specific password administrative area shall use the same password attribute	
14	FR	Part 8 Clause 18.1.6.5.1		Ed	Typo in the title (Lzngth instead of Length)	The correct title should be: Minimum Password Length Attribute	
15	FR	Part 8 Clause 18.1.6.5.3		Te	The character sets are not explicitly defined	Possible definitions: UppercaseCharacters ::= PrintableString(FROM(“A”..”Z”)) LowercaseCharacters ::= PrintableString(FROM(“a”..”z”)) NumericCharacters ::= PrintableString(FROM(“0”..”9”)) OtherPrintableCharacters ::= PrintableString(ALL EXCEPT(UppercaseCharacters LowerCaseCharacters NumericCharacters))	
16	FR	Part 8		Ed	The character after passwordHistoryMatch	Replace the definition with:	

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		Annex A.1			should be { not (pwdHistoryMatch MATCHING-RULE ::= passwordHistoryMatch(userPwd, id-mr-pwdHistoryMatch}	pwdHistoryMatch MATCHING-RULE ::= passwordHistoryMatch{userPwd, id-mr-pwdHistoryMatch}	
17	FR	Part 8 Annex L		Ed	The algorithms are hashing algorithms not encryption algorithms	<p><i>Replace the title of Annex L with:</i> Examples of password hashing algorithms</p> <p><i>Replace clause L.1 with:</i> L.1 Null hashing method The null algorithm defined in Annex F is used when no hashing is to take place.</p> <p><i>Replace the first paragraph of clause L.2 with:</i> The hashed password is an octet string of 16 octets which is the MD5 digest of the concatenation of the clear password and the salt which is a bit string, parameter of the algorithm. This hashing method is defined by the following object:</p> <p><i>Replace the first paragraph of clause L.3 with:</i> The hashed password is an octet string of 20 octets with is the SHA-1 digest of the concatenation of the clear password and the salt which is a bit string, parameter of the algorithm. This hashing method is defined by the following object:</p>	

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0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type ²	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
18	FR	Part 8 Annex L			It is not specified if this annex is normative or informative. Since this annex defines new object identifiers, it should be normative	<i>Add after the title:</i> (This annex forms an integral part of this Recommendation International Standard)	
19	FR	Part 8 Clause 18.1.5 Annex A.1 Part 9 Clause 9.2.2		Te	The pwdFailureDuration attribute defined in 18.1.6.8 holds the number of seconds that the password cannot be used to authenticate after the first failed bind or compare attempt. It seems that time of last failure should stored in some operational attribute.	<i>Add a new operational attribute pwdFailureTime to record the time of last failure:</i> 18.1.5.6 Password Failure Time attribute The pwdFailureTime operational attribute specifies the time of the last failed or compare attempt on the password attribute. This attribute is only significant if the pwdFails operational attribute contains a non zero value pwdFailureTime ATTRIBUTE ::= { WITH SYNTAX GeneralizedTime EQUALITY MATCHING RULE generalizedTimeMatch ORDERING MATCHING RULE generalizedTimeOrderingMatch SINGLE VALUE TRUE USAGE dSAOperation ID id-oa-pwdFailureTime } <i>Renumber 18.1.5.6 and 18.1.5.7 as 18.1.5.7 and 18.1.5.8.</i> <i>Add this new attribute and the following object identifier to Annex A.1</i> id-oa-pwdFailureTime OBJECT IDENTIFIER ::= {id-oa-26}	

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Comments on ISO/IEC 9594 All parts PDAM2	Date: 2009-12-15	Document: JTC 1/SC6 N 14092
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0	1	2	(3)	4	5	(6)	(7)
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						<i>Renumber the following object identifiers.</i> <i>In Part 9, 9.2.2, add pwdFailureTime after pwdFails (see FR 19)</i>	
20	FR	Part 8: Annex B		Te	The object identifier id-mr-encPwdHistoryMatch is not used but the id-mr-pwdHistoryMatch is not defined	<i>Replace:</i> id-mr-encPwdHistoryMatch <i>with:</i> id-mr-pwdHistoryMatch	
21	FR	Part 8: Clause 18.1.5.6		Ed	graces attribute should be pwdGraces attribute	<i>Replace graces with pwdGraces.</i>	
22	FR	Part 9: Clause 9.2.2		Ed	The attributes pwdBindFails and pwdCompareFails do not exists.	<i>Replace pwdBindFails and pwdCompareFails with pwdFails</i>	

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