

**Telecommunications and Information Exchange Between Systems**

**ISO/IEC JTC 1/SC 6**

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ISO/IEC JTC1/SC6 Secretariat Ms. Jooran Lee, KSA (on behalf of KATS) Korea Technology Center #701-7 Yeoksam-dong, Gangnam-gu, Seoul, 135-513, Republic of Korea ; Telephone: +82 2 6009 4808 ; Facsimile: +82 2 6009 4819 ; Email : <a href="mailto:jooran@kisi.or.kr">jooran@kisi.or.kr</a>	

0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com- ment type <sup>2</sup>	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"> <li>- to use names beginning with “pwd” for names specific to password policy,</li> <li>- to use names beginning with “userPwd” for names specific to the attribute userPwd</li> </ul>	<p><i>Change the names as follows:</i></p> <p><b>myPwdAttribute</b> -&gt; <b>pwdAttribute</b> (Part 2: 14.9 and Annex B)</p> <p><b>id-at-myPwdAttribute</b> -&gt; <b>id-at-pwdAttribute</b> (Part 2: 14.9 and Annex B, Part 6: Annex A)</p> <p><b>passwordHistory{}</b> -&gt; <b>pwdHistory{}</b> (Part 2: 14.9.1 and Annex B, Part 8: 18.1.5.7 and Annex A.1)</p> <p><b>PasswordHistory{}</b> -&gt; <b>PwdHistory{}</b> (Part 2: 14.9.1 and Annex B)</p> <p><b>recentlyExpiredPassword{}</b> -&gt; <b>pwdRecentlyExpired{}</b> (Part 2: 14.9.2 and Annex B, Part 8: 18.1.5.8 and Annex A.1)</p> <p><b>passwordHistoryMatch{}</b> -&gt; <b>pwdHistoryMatch{}</b> (Part 2: 14.9.3 and Annex B, Part 8: 18.1.11 and Annex A.1)</p> <p><b>recentlyExpiredPwdDuration</b> -&gt; <b>pwdRecentlyExpiredDuration</b> (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>	accepted
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						<p><b>id-oa-recentlyExpiredPwdDuration -&gt; id-oa-pwdRecentlyExpiredDuration</b> (Part 8: 18.1.6.14, Annex A.1)</p> <p><b>gracesUsed -&gt; pwdGracesUsed</b> (Part 8: 18.1.5.6, Annex B, Part 9: 9.2.2)</p> <p><b>id-oa-gracesUsed -&gt; id-oa-pwdGracesUsed</b> (Part 8: 18.1.5.6, Annex B)</p> <p><b>pwdHistory -&gt; userPwdHistory</b> (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)</p> <p><b>id-oa-pwdHistory -&gt; id-oa-userPwdHistory</b> (Part 8: 18.1.5.7, Annex B)</p> <p><b>recentlyExpiredPwd -&gt; userPwdRecentlyExpired</b> (Part 8: 18.1.3, 18.1.5.1, 18.1.5.8, 18.1.6.14, Annex B, Part 9: 9.2.2)</p> <p><b>id-oa-recentlyExpiredPwd -&gt; id-oa-pwdRecentlyExpired</b> (Part 8: 18.1.5.8, Annex B)</p> <p><b>modifyEntryPwdAllowed -&gt; pwdModifyEntryAllowed</b></p>	
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Comments on ISO/IEC 9594 All parts PDAM2					Date: 2010-04-14	Document: JTC 1/SC6 N 14092	
0	1	2	(3)	4	5	(6)	(7)
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						<div>(Part 2: 14.9, Part 8: 18.1.6.1, Annex B, Part 9: 9.2.2)</div> <div>id-oa-modifyEntryPwdAllowrd -&gt; id-oa-pwdModifyEntryAllowed (Part 8: 18.1.6.1, Annex B)</div> <div>changePwdAllowed -&gt; pwdChangeAllowed (Part 2: 14.9, Part 8: 18.1.6.2, Annex B, Part 9: 9.2.2)</div> <div>id-oa-changedPwdAllowed -&gt; id-oa-pwdChangedAllowed (Part 8: 18.1.6.2, Annex B)</div> <div>minPwdLength -&gt; pwdMinLength (Part 2: 14.9, Part 8: 18.1.6.5.1, Annex B, Part 9: 9.2.2)</div> <div>id-oa-minPwdLength -&gt; id-oa-pwdMinLength (Part 8: 18.1.6.5.1, Annex B)</div> <div>pwdHistoryMatch -&gt; userPwdHistoryMatch (Part 2: 14.9, Part 8: 18.1.5.7, 18.1.11, Annex B)</div> <div>id-mr-pwdHistoryMatch -&gt;</div>	

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						<b>id-mr-userPwdHistoryMatch</b> <i>(Part 2: Annex A, Part 8: 8.1.11, Annex B)</i>  <b>insufficientPasswordQuality -&gt;</b> <b>pwdInsufficientQuality</b> <i>(Part 3: 11.5.4, 11.6.3, 12.9, Annex A)</i>  <b>passwordInHistory -&gt;</b> <b>pwdInHistory</b> <i>(Part 3: 11.5.4, 11.6.3, 12.9, Annex A)</i>  <b>noPasswordSlot -&gt;</b> <b>pwdHistoryFull</b> <i>(Part 3: 11.5.4, 12.9, Annex A)</i>  <b>password -&gt; userPwdClass</b> <i>(Part 7: 6.5 and Annex A)</i>  <b>Id-oc-password -&gt; id-oc-userPwdClass</b> <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 <b>passwordHistoryMatch</b> , the object class name <b>ATTRIBUTE</b> used as governor shall be followed by “:.”	<i>Replace “,” with “:.” after <b>ATTRIBUTE</b>.</i>	accepted
3	FR	Part 2 Annex B		Ed	The definition of pwdAdminSubentry is not the same as in 14.9	<i>Replace the definition of</i> <i>pwdAdminSubentry with:</i> <b>pwdAdminSubentry OBJECT-CLASS ::= {</b> <b>KIND auxiliary</b> <b>MUST CONTAIN { pwdAttribute }</b>	accepted

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						<b>ID id-sc-pwdAdminSubentry }</b>  <i>Add after the list of attributes:</i> <b>id-at-pwdAttribute                      OBJECT IDENTIFIER ::= {id-at 84}</b>	
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.	accepted
5	FR	Part 3 Clause 11.5.1		Te	The change password and administer password operations should optionally contain <b>CommonResultSeq</b>	<i>In 11.5.1, replace:</i> <b>ChangePasswordResult ::= NULL</b> with: <b>ChangePasswordResult ::=</b> <b>CHOICE {</b> <b>null NULL,</b> <b>information</b> <b>OPTIONALLY-PROTECTED-SEQ</b> <b>{SEQUENCE {</b> <b>COMPONENTS OF</b> <b>CommonResultSeq}}}</b>  <i>In 11.6.1, replace:</i> <b>AdministerPasswordResult ::=</b> <b>NULL</b> with: <b>ChangePasswordResult ::=</b> <b>CHOICE {</b> <b>null NULL,</b> <b>information</b> <b>OPTIONALLY-PROTECTED-SEQ</b>	accepted

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						<b>{SEQUENCE { COMPONENTS OF CommonResultSeq}}</b>	
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>	accepted
7	FR	Part 3: Clause 12.7 l)		Ed	<b>insufficientQuality</b> should be <b>pwdInsufficientQuality</b>	Replace <b>insufficientQuality</b> with <b>pwdInsufficientQuality</b>	accepted
8	FR	Part 3 Clause 14.9		Te	The attribute <b>userPwdHistory</b> is not defined	<i>Taking account the comment FR 1, replace the last sentence of the fourth paragraph with: The attribute <b>userPwdRecentlyExpired</b> and the matching rule <b>userPwdHistoryMatch</b> are defined for the <b>userPwd</b> attribute using the <b>UserPwd</b> type.</i>	accepted
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>	accepted
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>	accepted
11	FR	Part 5 Clause 13.2.1		Te	The paragraphs e) and f) should be updated for password policy	<i>Replace e) and f) with: If conformance is claimed to the application-context specified by</i>	accepted

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						<p><b>directoryAccessAC</b> and/or associated with the <b>dap-ip</b> 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, <del>or</del> 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 <b>directorySystemAC</b> and/or associated with the <b>dsp-ip</b> 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 9594-4 and if so, whether identity-based or signature-based; and whether the DSA can perform result</p>	
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						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}	<i>Replace with:</i>  -- id-at-pwdAttribute OBJECT IDENTIFIER ::= {id-at 84}  -- id-at-userPwd OBJECT IDENTIFIER ::= {id-at 85} X.509/Part 8	accepted
13	FR	Part 8 Clause 18.1.3		Te	"administrative domain" should be replaced with "specific password administrative area".	<i>Replace the last sentence of the 7<sup>th</sup> paragraph of 18.1.3 with:</i> All entries in the same specific password administrative area shall use the same password attribute	accepted
14	FR	Part 8 Clause 18.1.6.5.1		Ed	Typo in the title (Lzngth instead of Length)	<i>The correct title should be:</i> Minimum Password Length Attribute	accepted
15	FR	Part 8 Clause 18.1.6.5.3		Te	The character sets are not explicitly defined	<i>Possible definitions:</i> <b>UppercaseCharacters</b> ::= PrintableString(FROM("A".."Z")) <b>LowercaseCharacters</b> ::= PrintableString(FROM("a".."z")) <b>NumericCharacters</b> ::= PrintableString(FROM("0".."9")) <b>OtherPrintableCharacters</b> ::= PrintableString(ALL EXCEPT(UppercaseCharacters   LowerCaseCharacters   NumericCharacters))	The current definition of the pwdAlphabet is not correct because it is limited to some subsets of UTF8String. It should be better to replace the character sets with a list of subsets of UTF8String. Replace the first sentence of 18.1.6.5.3 with: This specifies the sets of characters that shall be used in creating the

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							password. The password shall contain at list one character from each UTF8String.  <b>pwdAlphabet ATTRIBUTE ::= { WITH SYNTAX SEQUENCE OF UTF8String SINGLE VALUE TRUE USAGE directoryOperation ID id-oa- pwdAlphabet }</b>
16	FR	Part 8 Annex A.1		Ed	The character after passwordHistoryMatch should be { not ( <b>pwdHistoryMatch MATCHING-RULE ::= passwordHistoryMatch(userPwd, id-mr-pwdHistoryMatch}</b>	<i>Replace the definition with:</i> <b>pwdHistoryMatch MATCHING-RULE ::= passwordHistoryMatch{userPwd, id-mr-pwdHistoryMatch}</b>	
17	FR	Part 8 Annex L		Ed	The algorithms are hashing algorithms not encryption algorithms	<i>Replace the title of Annex L with:</i> Examples of password hashing algorithms  <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.	accepted

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						<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>	
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)	accepted
19	FR	Part 8 Clause 18.1.5 Annex A.1 Part 9 Clause 9.2.2		Te	The <b>pwdFailureDuration</b> 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 <b>pwdFailureTime</b> to record the time of last failure:</i> 18.1.5.6 Password Failure Time attribute The <b>pwdFailureTime</b> operational attribute specifies the time of the last failed or compare attempt on the password attribute. This attribute is only significant if the <b>pwdFails</b> operational attribute contains a non	accepted

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						zero value <b>pwdFailureTime ATTRIBUTE ::= { WITH SYNTAX GeneralizedTime EQUALITY MATCHING RULE generalizedTimeMatch ORDERING MATCHING RULE generalizedTimeOrderingMatch SINGLE VALUE TRUE USAGE dSAOperation ID id-oa-pwdFailureTime }</b>  <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> <b>id-oa-pwdFailureTime OBJECT IDENTIFIER ::= {id-oa-26}</b> <i>Renumber the following object identifiers.</i>  <i>In Part 9, 9.2.2, add <b>pwdFailureTime</b> after <b>pwdFails</b> (see FR 19)</i>	
20	FR	Part 8: Annex B		Te	The object identifier <b>id-mr-encPwdHistoryMatch</b> is not used but the <b>id-mr-pwdHistoryMatch</b> is not defined	<i>Replace:</i> <b>id-mr-encPwdHistoryMatch</b> <i>with:</i> <b>id-mr-pwdHistoryMatch</b>	accepted
21	FR	Part 8: Clause 18.1.5.6		Ed	graces attribute should be <b>pwdGraces</b> attribute	<i>Replace <b>graces</b> with <b>pwdGraces</b>.</i>	accepted
22	FR	Part 9: Clause 9.2.2		Ed	The attributes <b>pwdBindFails</b> and <b>pwdCompareFails</b> do not exists.	Replace <b>pwdBindFails</b> and <b>pwdCompareFails</b> with <b>pwdFails</b>	accepted
23	SCC			Ed	Please remove the chinese characters from		accepted

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					the Table of Contents.		
24	ITU-T SG17	Part 2: 28.6.1		te	All DSA-DSA binds should be <i>identical</i> .	<i>Change:</i>  <b>dSAOperationalBindingManageme ntBind OPERATION ::=</b> <b>directoryBind</b>  <i>to:</i>  <b>dSAOperationalBindingManageme ntBind OPERATION ::= dsaBind</b>	
25	ITU-T SG17	Part 2: 7.4.1		te	All DSA-DSA binds should be <i>identical</i> .	<i>Change:</i>  <b>dSAShadowBind OPERATION ::=</b> <b>directoryBind</b>  <i>to:</i>  <b>dSAShadowBind OPERATION ::=</b> <b>dsaBind</b>	
26	ITU-T SG17	Part 4: 11.1		te	Password Policy has no relevance for DSA- DSA bindings.	<i>Replace the <b>DSABind</b> with:</i>  <b>dsaBind OPERATION ::= {</b> <b>  ARGUMENT DsaBindArgument</b> <b>  RESULT DsaBindResult</b> <b>  ERRORS {dsaBindError} }</b>  <b>DsaBindArgument ::= SET {</b> <b>  credentials [0] DsaCredentials</b> <b>  OPTIONAL,</b> <b>  versions [1] Versions DEFAULT</b> <b>{v1},</b> <b>  ... }</b>	

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						<div>DsaCredentials ::= CHOICE {     simple [0] DsaSimpleCredentials,     strong [1] StrongCredentials,     externalProcedure [2] EXTERNAL,     spkm [3] SpkmCredentials,     sasl [4] SaslCredentials,     ... }</div> <div>DsaSimpleCredentials ::=</div> <div>SEQUENCE {     name [0] DistinguishedName,     validity [1] SET {         time1 [0] CHOICE {             utc UTCTime,             gt GeneralizedTime} OPTIONAL,         time2 [1] CHOICE {             utc UTCTime,             gt GeneralizedTime} OPTIONAL,         random1 [2] BIT STRING OPTIONAL,         random2 [3] BIT STRING OPTIONAL} OPTIONAL,     password [2] CHOICE {         unprotected OCTET STRING,         protected HASH{OCTET STRING}} OPTIONAL,     ... } DsaBindResult ::=</div> <div>DsaBindArgument</div>	
27	ITU-T SG17	All parts		ge	It should be further analyzed what are the procedures when binding to DSA not		To be solved during the next meeting

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

					holding the password.		Two options: - The DUA sends information received from the first DSA to the second one - The first DSA sends Bind request information to the second DSA
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