### ST\_AlgClass (Cryptographic Algorithm Classes)

This simple type specifies the possible classes of cryptographic algorithm used by protection. [Note: The initial version of this Office Open XML Standard only supports a single version - hash - but future versions may expand this as necessary. end note]

[Example: Consider a PresentationML document with the following information stored in its protection element:

<p:… p:cryptAlgorithmClass="hash"   
 p:cryptAlgorithmType="typeAny"   
 p:cryptAlgorithmSid="1"  
 p:hashData="9oN7nWkCAyEZib1RomSJTjmPpCY=" />

The cryptAlgorithmClass attribute value of hash specifies that the algorithm used for the password is a hashing algorithm. end example]

This simple type's contents are a restriction of the XML Schema string datatype.

The following are possible enumeration values for this type:

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| --- | --- |
| Enumeration Value | Description |
| hash (Hash Algorithm Class) | A hash class algorithm is used. |
| invalid (Invalid Algorithm Class) | An algorithm with an invalid class is used. |

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| Referenced By |
| modifyVerifier@cryptAlgorithmClass (§) |

The following XML Schema fragment defines the contents of this simple type:

<simpleType name="ST\_AlgClass">

<restriction base="xsd:string">

<enumeration value="hash"/>

<enumeration value="invalid"/>

</restriction>

</simpleType>