

```
.<?xml version="1.0" encoding="UTF-8"?>
<!--
```

```
  OASIS OpenDocument v1.2 Part 3
  Committee Draft 1, 19 October 2009
  OASIS Standard, 1 Feb 2007
  Manifest Relax-NG Manifest Schema
```

```
$Id$
```

```
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```
-->
```

```
<grammar
```

```
  xmlns="http://relaxng.org/ns/structure/1.0"
```

```
  datatypeLibrary="http://www.w3.org/2001/XMLSchema-datatypes"
```

```
  xmlns:manifest="urn:oasis:names:tc:opendocument:xmlns:manifest:1.0">
```

```
>
```

```
<start>
```

```
  <choice>
```

```
    <ref name="manifest"/>
```

```
  </choice>
```

```
</start>
```

```
<define name="manifest">
```

```
  <element name="manifest">
```

```
    <oneOrMore>
```

```
      <ref name="file-entry"/>
```

```
    </oneOrMore>
```

```
  </element>
```

```
</define>
```

```
<otstart>
```

```
  <choice>
```

```
    <ref name="manifest"/>
```

```
  </choice>
```

```
</otstart>
```

```

<define name="file-entry">
  <element name="manifest:file-entry">
    <ref name="file-entry-attlist"/>
    <optional>
      <ref name="encryption-data"/>
    </optional>
  </element>
</define>
<define name="file-entry-attlist" combine="interleave">
  <attribute name="manifest:full-path">
    <del><data type="string" ref name="string"/></del>
  </attribute>
</define>
<define name="file-entry-attlist" combine="interleave">
  <optional>
    <attribute name="manifest:size">
      <del><data type="nonNegativeInteger" ref name="nonNegativeInteger"/></del>
    </attribute>
  </optional>
</define>
<define name="file-entry-attlist" combine="interleave">
  <attribute name="manifest:media-type">
    <del><data type="string" ref name="string"/></del>
  </attribute>
</define>
<del><define name="file-entry-attlist" combine="interleave">
  <optional>
    <attribute name="manifest:preferred-view-mode">
      <choice>
        <value>edit</value>
        <value>presentation-slide-show</value>
        <value>read-only</value>
        <ref name="namespacedToken"/>
      </choice>
    </attribute>
  </optional>
</define>
<define name="file-entry-attlist" combine="interleave">
  <optional>
    <attribute name="manifest:version">
      <ref name="string"/>
    </attribute>
  </optional>
</define>
<define name="encryption-data">
  <element name="manifest:encryption-data">
    <ref name="encryption-data-attlist"/>
    <ref name="algorithm"/>
    <optional>
      <ref name="start-key-generation"/>
    </optional>
    <ref name="key-derivation"/>
  </element>
</define>
<define name="encryption-data-attlist" combine="interleave">
  <attribute name="manifest:checksum-type">
    <del><data type="string" ref name="string"/></del>
    <choice>
      <value>SHA1/1K</value>
      <ref name="anyURI"/>
    </choice>
  </attribute>
</define>

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<define name="encryption-data-attlist" combine="interleave">
  <attribute name="manifest:checksum">
    <data type="base64Binary" ref name="base64Binary"/>
  </attribute>
</define>
<define name="algorithm">
  <element name="manifest:algorithm">
    <ref name="algorithm-attlist"/>
    <empty/>
  </element>
</define>
<define name="algorithm-attlist" combine="interleave">
  <attribute name="manifest:algorithm-name">
    <data type="string"/>
    <choice>
      <value>Blowfish CFB</value>
      <ref name="anyURI"/>
    </choice>
  </attribute>
</define>
<define name="algorithm-attlist" combine="interleave">
  <attribute name="manifest:initialisation-vector">
    <data type="base64Binary" ref name="base64Binary"/>
  </attribute>
</define>
<define name="key-derivation">
  <element name="manifest:key-derivation">
    <ref name="key-derivation-attlist"/>
    <empty/>
  </element>
</define>
<define name="key-derivation-attlist" combine="interleave">
  <attribute name="manifest:key-derivation-name">
    <data type="string"/>
    <choice>
      <value>PBKDF2</value>
      <ref name="anyURI"/>
    </choice>
  </attribute>
</define>
<define name="key-derivation-attlist" combine="interleave">
  <attribute name="manifest:salt">
    <data type="base64Binary" ref name="base64Binary"/>
  </attribute>
</define>
<define name="key-derivation-attlist" combine="interleave">
  <attribute name="manifest:iteration-count">
    <data type="nonNegativeInteger" ref name="nonNegativeInteger"/>
  </attribute>
</define>
<define name="key-derivation-attlist" combine="interleave">
  <optional>
    <attribute name="manifest:key-size">
      <ref name="nonNegativeInteger"/>
    </attribute>
  </optional>
</define>
<define name="start-key-generation">
  <element name="manifest:start-key-generation">
    <ref name="start-key-generation-attlist"/>
    <empty/>
  </element>
</define>

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```
<define name="start-key-generation-attlist" combine="interleave">
  <attribute name="manifest:start-key-generation-name">
    <choice>
      <value>SHA1</value>
      <ref name="anyURI"/>
    </choice>
  </attribute>
</define>
<define name="start-key-generation-attlist" combine="interleave">
  <optional>
    <attribute name="manifest:key-size">
      <ref name="nonNegativeInteger"/>
    </attribute>
  </optional>
</define>
<define name="base64Binary">
  <data type="base64Binary"/>
</define>
<define name="namespacedToken">
  <data type="string">
    <param name="pattern">[0-9a-zA-Z_]+:[0-9a-zA-Z._\ -]+</param>
  </data>
</define>
<define name="nonNegativeInteger">
  <data type="nonNegativeInteger"/>
</define>
<define name="string">
  <data type="string"/>
</define>
<define name="anyURI">
  <data type="anyURI"/>
</define>
</grammar>
```