

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

```
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
```

```
elementFormDefault="qualified" attributeFormDefault="unqualified" version="1.0">
```

```
  <xsd:annotation xml:lang="zh">
```

```
    <xsd:documentation>
```

```
      Chinese MARC Schema Definitation
```

```
      Prepared by Shien-chiang Yu
```

```
      July 1, 2004 - Version 1.0 - Coding first (Initial Release)
```

```
      方式一：簡略定義。參照 MARC21 之 Schema 定義，透過屬性 id 紀
```

```
錄欄號、分欄之編號
```

```
    </xsd:documentation>
```

```
  </xsd:annotation>
```

```
  <xsd:element name="collection" type="collectionType" nillable="true" id="collection">
```

```
    <xsd:annotation>
```

```
      <xsd:documentation>collection is a top level container element for 0 or many
```

```
records</xsd:documentation>
```

```
    </xsd:annotation>
```

```
  </xsd:element>
```

```
</xsd:complexType name="collectionType">
```

```
<xsd:sequence minOccurs="0" maxOccurs="unbounded">
```

```
  <xsd:element ref="record"/>
```

```
</xsd:sequence>
```

```
<xsd:attribute name="id" type="idDataType" use="optional"/>
```

```
</xsd:complexType>
```

```
<xsd:element name="record" type="recordType" nillable="true">
```

```
  <xsd:annotation>
```

```
    <xsd:documentation>record is a top level container element for all of the field
```

```
elements which compose the record</xsd:documentation>
```

```
  </xsd:annotation>
```

```
</xsd:element>
```

```
<xsd:complexType name="recordType">
```

```
  <xsd:sequence minOccurs="0">
```

```
    <xsd:element name="leader" type="leaderFieldType"/>
```

```
    <xsd:element name="controlfield" type="controlFieldType" minOccurs="0"
```

```
maxOccurs="unbounded"/>
```

```
    <xsd:element name="datafield" type="dataFieldType" minOccurs="0"
```

```
maxOccurs="unbounded"/>
```

```
  </xsd:sequence>
```

```
<xsd:attribute name="type" type="recordTypeType" use="optional"/>
```

```
<xsd:attribute name="id" type="idDataType" use="optional"/>
```

```
</xsd:complexType>
```

```
<xsd:simpleType name="recordTypeType">
```

```
<xsd:restriction base="xsd:NMTOKEN">
```

```
<xsd:enumeration value="Bibliographic"/>
```

```
<xsd:enumeration value="Authority"/>
```

```
<xsd:enumeration value="Holdings"/>
```

```
<xsd:enumeration value="Classification"/>
```

```
<xsd:enumeration value="Community"/>
```

```
</xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:complexType name="leaderFieldType">
```

```
<xsd:annotation>
```

```
<xsd:documentation>Chinese MARC v.3 Leader, 24
```

```
bytes</xsd:documentation>
```

```
</xsd:annotation>
```

```
<xsd:simpleContent>
```

```
<xsd:extension base="leaderDataType">
```

```

        <xsd:attribute name="id" type="idDataType" use="optional"/>

    </xsd:extension>

</xsd:simpleContent>

</xsd:complexType>

<xsd:simpleType name="leaderDataType">

    <xsd:restriction base="xsd:string">

        <xsd:whiteSpace value="preserve"/>

        <xsd:pattern
value="[\\d ]{5}[\\dA-Za-z ]{1}[\\dA-Za-z]{1}[\\dA-Za-z ]{3}(2| )(2| ) [\\d ]{5}[\\dA-Za-z ]{3}(4500|
)"/>

    </xsd:restriction>

</xsd:simpleType>

<xsd:complexType name="controlFieldType">

    <xsd:annotation>

        <xsd:documentation>Chinese MARC v.3 Fields
001-009</xsd:documentation>

    </xsd:annotation>

    <xsd:simpleContent>

        <xsd:extension base="controlDataType">

```

```
<xsd:attribute name="id" type="idDataType" use="optional"/>
```

```
<xsd:attribute name="tag" type="controltagDataType" use="required"/>
```

```
</xsd:extension>
```

```
</xsd:simpleContent>
```

```
</xsd:complexType>
```

```
<xsd:simpleType name="controlDataType">
```

```
<xsd:restriction base="xsd:string">
```

```
<xsd:whiteSpace value="preserve"/>
```

```
</xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:simpleType name="controltagDataType">
```

```
<xsd:restriction base="xsd:string">
```

```
<xsd:whiteSpace value="preserve"/>
```

```
<xsd:pattern value="00[1-9]{1}"/>
```

```
</xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:complexType name="dataFieldType">
```

```
<xsd:annotation>
```

```
<xsd:documentation>Chinese MARC v.3 Data Fields
```

010-999</xsd:documentation>

</xsd:annotation>

<xsd:sequence maxOccurs="unbounded">

<xsd:element name="subfield" type="subfielddataType"/>

</xsd:sequence>

<xsd:attribute name="id" type="idDataType" use="optional"/>

<xsd:attribute name="tag" type="tagDataType" use="required"/>

<xsd:attribute name="ind1" type="indicatorDataType" use="required"/>

<xsd:attribute name="ind2" type="indicatorDataType" use="required"/>

</xsd:complexType>

<xsd:simpleType name="tagDataType">

<xsd:restriction base="xsd:string">

<xsd:whiteSpace value="preserve"/>

<xsd:pattern value="010-999"/>

</xsd:restriction>

</xsd:simpleType>

<xsd:simpleType name="indicatorDataType">

<xsd:restriction base="xsd:string">

<xsd:whiteSpace value="preserve"/>

```
<xsd:pattern value="[ \d ]{1}"/>
```

```
</xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:complexType name="subfielddataType">
```

```
<xsd:simpleContent>
```

```
<xsd:extension base="subfieldDataType">
```

```
<xsd:attribute name="id" type="idDataType" use="optional"/>
```

```
<xsd:attribute name="code" type="subfieldcodeDataType"
```

```
use="required"/>
```

```
</xsd:extension>
```

```
</xsd:simpleContent>
```

```
</xsd:complexType>
```

```
<xsd:simpleType name="subfieldDataType">
```

```
<xsd:restriction base="xsd:string">
```

```
<xsd:whiteSpace value="preserve"/>
```

```
</xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:simpleType name="subfieldcodeDataType">
```

```
<xsd:restriction base="xsd:string">
```

```
<xsd:whiteSpace value="preserve"/>
```

```
<xsd:pattern
```

```
value="[da-z!&quot;#%&amp;'()*+,-./:;&lt;=&gt;?}_{~^`~\[\]\{1}"/>
```

```
</xsd:restriction>
```

```
</xsd:simpleType>
```

```
<xsd:simpleType name="idDataType">
```

```
<xsd:restriction base="xsd:ID"/>
```

```
</xsd:simpleType>
```

```
</xsd:schema>
```