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<?xml version="1.0" encoding="UTF-8"?>
<!-- Automatically generated by EDIF ECS SpecBuilder (<a href="http://www.edifecs.com">http://www.edifecs.com) -->
<xsd:schema targetNamespace="http://www.edifecs.com/xdata/200" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.edifecs.com/xdata/200"
elementFormDefault="qualified" version="1.0">
  <xsd:element name="T_Functional_Acknowledgment" type="T_997"/>
  <xsd:complexType name="T_997">
    <xsd:annotation>
      <xsd:documentation>This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.</xsd:documentation>
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      <xsd:element name="S_Functional_Group_Response_Trailer" type="S_AK9"/>
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    <xsd:documentation>To indicate the start of a transaction set and to assign a control number</xsd:documentation>
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    <xsd:element name="E_Transaction_Set_Identifier_Code" type="E_143"/>
    <xsd:element name="E_Transaction_Set_Control_Number" type="E_329"/>
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  <xsd:attribute name="Type" type="xsd:string" default="Segment"/>
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  <xsd:attribute name="Name" type="xsd:string" default="Transaction Set Header"/>
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    <xsd:documentation>To start acknowledgment of a functional group</xsd:documentation>
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    <xsd:element name="E_Group_Control_Number" type="E_28"/>
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<xsd:enumeration value="996"/>
<xsd:enumeration value="997"/>
<xsd:enumeration value="998"/>
<xsd:attribute name="EDIDDataType" type="xsd:string" fixed="ID"/>
<xsd:attribute name="ID" type="xsd:string" fixed="143"/>
<xsd:attribute name="Name" type="xsd:string" fixed="Transaction Set Identifier Code"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="L_AK3">
<xsd:annotation>
<xsd:documentation>To report errors in a data segment and identify the location of the data segment</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
<xsd:element name="S_Data_Segment_Note" type="S_AK3"/>
```

```
<xsd:element name="S_Data_Element_Note" type="S_AK4" nillable="true" minOccurs="0" maxOccurs="99"/>
</xsd:sequence>
<xsd:attribute name="Type" type="xsd:string" default="Loop"/>
<xsd:attribute name="ID" type="xsd:string" default="AK3"/>
<xsd:attribute name="Name" type="xsd:string" default="Data Segment Note"/>
</xsd:complexType>
<xsd:complexType name="S_AK3">
  <xsd:annotation>
    <xsd:documentation>To report errors in a data segment and identify the location of the data segment</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="E_Segment_ID_Code" type="E_721"/>
    <xsd:element name="E_Segment_Position_in_Transaction_Set" type="E_719"/>
    <xsd:element name="E_Loop_Identifier_Code" type="E_447" nillable="true" minOccurs="0"/>
    <xsd:element name="E_Segment_Syntax_Error_Code" type="E_720" nillable="true" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="Type" type="xsd:string" default="Segment"/>
  <xsd:attribute name="ID" type="xsd:string" default="AK3"/>
  <xsd:attribute name="Name" type="xsd:string" default="Data Segment Note"/>
</xsd:complexType>
<xsd:complexType name="E_721">
  <xsd:annotation>
    <xsd:documentation>Code defining the segment ID of the data segment in error (See Appendix A - Number 77)</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:maxLength value="3"/>
      <xsd:minLength value="2"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="721"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Segment ID Code"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_719">
  <xsd:annotation>
    <xsd:documentation>The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-Integer-Type">
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="719"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Segment Position in Transaction Set"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_447">
  <xsd:annotation>
    <xsd:documentation>The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:maxLength value="6"/>
      <xsd:minLength value="1"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="AN"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="447"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Loop Identifier Code"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_720">
  <xsd:annotation>
    <xsd:documentation>Code indicating error found based on the syntax editing of a segment</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:enumeration value="1"/>
      <xsd:enumeration value="2"/>
      <xsd:enumeration value="3"/>
      <xsd:enumeration value="4"/>
      <xsd:enumeration value="5"/>
      <xsd:enumeration value="6"/>
      <xsd:enumeration value="7"/>
      <xsd:enumeration value="8"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="720"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
```

```
<xsd:attribute name="Name" type="xsd:string" fixed="Segment Syntax Error Code"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="S_AK4">
  <xsd:annotation>
    <xsd:documentation>To report errors in a data element or composite data structure and identify the location of the data element</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="C_Position_in_Segment" type="C_C030"/>
    <xsd:element name="E_Data_Element_Reference_Number" type="E_725"/>
    <xsd:element name="E_Data_Element_Syntax_Error_Code" type="E_723"/>
    <xsd:element name="E_Copy_of_Bad_Data_Element" type="E_724" nillable="true" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="Type" type="xsd:string" default="Segment"/>
  <xsd:attribute name="ID" type="xsd:string" default="AK4"/>
  <xsd:attribute name="Name" type="xsd:string" default="Data Element Note"/>
</xsd:complexType>
<xsd:complexType name="C_C030">
  <xsd:annotation>
    <xsd:documentation>Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="E_Element_Position_in_Segment" type="E_722"/>
    <xsd:element name="E_Component_Data_Element_Position_in_Composite" type="E_1528" nillable="true" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="Type" type="xsd:string" default="Composite"/>
  <xsd:attribute name="ID" type="xsd:string" default="C030"/>
  <xsd:attribute name="Name" type="xsd:string" default="Position in Segment"/>
</xsd:complexType>
<xsd:complexType name="E_722">
  <xsd:annotation>
    <xsd:documentation>This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-Integer-Type">
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="722"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Element Position in Segment"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_1528">
  <xsd:annotation>
    <xsd:documentation>To identify the component data element position within the composite that is in error</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-Integer-Type">
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="1528"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Component Data Element Position in Composite"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_725">
  <xsd:annotation>
    <xsd:documentation>Reference number used to locate the data element in the Data Element Dictionary</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-Integer-Type">
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="725"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Data Element Reference Number"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_723">
  <xsd:annotation>
    <xsd:documentation>Code indicating the error found after syntax edits of a data element</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:enumeration value="1"/>
      <xsd:enumeration value="2"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
```

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<xsd:enumeration value="3"/>
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<xsd:enumeration value="5"/>
<xsd:enumeration value="6"/>
<xsd:enumeration value="7"/>
<xsd:enumeration value="8"/>
<xsd:enumeration value="9"/>
<xsd:enumeration value="10"/>
<xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
<xsd:attribute name="ID" type="xsd:string" fixed="723"/>
<xsd:attribute name="Name" type="xsd:string" fixed="Data Element Syntax Error Code"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_724">
  <xsd:annotation>
    <xsd:documentation>This is a copy of the data element in error</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:maxLength value="99"/>
      <xsd:minLength value="1"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="AN"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="724"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Copy of Bad Data Element"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="S_AK5">
  <xsd:annotation>
    <xsd:documentation>To acknowledge acceptance or rejection and report errors in a transaction set</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="E_Transaction_Set_Acknowledgment_Code" type="E_717"/>
    <xsd:element name="E_Transaction_Set_Syntax_Error_Code" type="E_718" nillable="true" minOccurs="0"/>
    <xsd:element name="E_Transaction_Set_Syntax_Error_Code_1" type="E_718" nillable="true" minOccurs="0"/>
    <xsd:element name="E_Transaction_Set_Syntax_Error_Code_2" type="E_718" nillable="true" minOccurs="0"/>
    <xsd:element name="E_Transaction_Set_Syntax_Error_Code_3" type="E_718" nillable="true" minOccurs="0"/>
    <xsd:element name="E_Transaction_Set_Syntax_Error_Code_4" type="E_718" nillable="true" minOccurs="0"/>
  </xsd:sequence>
  <xsd:attribute name="Type" type="xsd:string" default="Segment"/>
  <xsd:attribute name="ID" type="xsd:string" default="AK5"/>
  <xsd:attribute name="Name" type="xsd:string" default="Transaction Set Response Trailer"/>
</xsd:complexType>
<xsd:complexType name="E_717">
  <xsd:annotation>
    <xsd:documentation>Code indicating accept or reject condition based on the syntax editing of the transaction set</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:enumeration value="A"/>
      <xsd:enumeration value="E"/>
      <xsd:enumeration value="M"/>
      <xsd:enumeration value="R"/>
      <xsd:enumeration value="W"/>
      <xsd:enumeration value="X"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="717"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Transaction Set Acknowledgment Code"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_718">
  <xsd:annotation>
    <xsd:documentation>Code indicating error found based on the syntax editing of a transaction set</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:enumeration value="1"/>
      <xsd:enumeration value="2"/>
      <xsd:enumeration value="3"/>
      <xsd:enumeration value="4"/>
      <xsd:enumeration value="5"/>
      <xsd:enumeration value="6"/>
      <xsd:enumeration value="7"/>
      <xsd:enumeration value="8"/>
      <xsd:enumeration value="9"/>
      <xsd:enumeration value="10"/>
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<xsd:enumeration value="11"/>
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<xsd:enumeration value="16"/>
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<xsd:enumeration value="25"/>
<xsd:enumeration value="26"/>
<xsd:enumeration value="27"/>
<xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
<xsd:attribute name="ID" type="xsd:string" fixed="718"/>
<xsd:attribute name="Name" type="xsd:string" fixed="Transaction Set Syntax Error Code"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="S_AK9">
<xsd:annotation>
<xsd:documentation>To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group</xsd:documentation>
</xsd:annotation>
<xsd:sequence>
<xsd:element name="E_Functional_Group_Acknowledge_Code" type="E_715"/>
<xsd:element name="E_Number_of_Transaction_Sets_Included" type="E_97"/>
<xsd:element name="E_Number_of_Received_Transaction_Sets" type="E_123"/>
<xsd:element name="E_Number_of_Accepted_Transaction_Sets" type="E_2"/>
<xsd:element name="E_Functional_Group_Syntax_Error_Code" type="E_716" nillable="true" minOccurs="0"/>
<xsd:element name="E_Functional_Group_Syntax_Error_Code_1" type="E_716" nillable="true" minOccurs="0"/>
<xsd:element name="E_Functional_Group_Syntax_Error_Code_2" type="E_716" nillable="true" minOccurs="0"/>
<xsd:element name="E_Functional_Group_Syntax_Error_Code_3" type="E_716" nillable="true" minOccurs="0"/>
<xsd:element name="E_Functional_Group_Syntax_Error_Code_4" type="E_716" nillable="true" minOccurs="0"/>
</xsd:sequence>
<xsd:attribute name="Type" type="xsd:string" default="Segment"/>
<xsd:attribute name="ID" type="xsd:string" default="AK9"/>
<xsd:attribute name="Name" type="xsd:string" default="Functional Group Response Trailer"/>
</xsd:complexType>
<xsd:complexType name="E_715">
<xsd:annotation>
<xsd:documentation>Code indicating accept or reject condition based on the syntax editing of the functional group</xsd:documentation>
</xsd:annotation>
<xsd:simpleContent>
<xsd:restriction base="EDI-Element-String-Type">
<xsd:enumeration value="A"/>
<xsd:enumeration value="E"/>
<xsd:enumeration value="M"/>
<xsd:enumeration value="P"/>
<xsd:enumeration value="R"/>
<xsd:enumeration value="W"/>
<xsd:enumeration value="X"/>
<xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
<xsd:attribute name="ID" type="xsd:string" fixed="715"/>
<xsd:attribute name="Name" type="xsd:string" fixed="Functional Group Acknowledge Code"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_97">
<xsd:annotation>
<xsd:documentation>Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element</xsd:documentation>
</xsd:annotation>
<xsd:simpleContent>
<xsd:restriction base="EDI-Element-Integer-Type">
<xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
<xsd:attribute name="ID" type="xsd:string" fixed="97"/>
<xsd:attribute name="Name" type="xsd:string" fixed="Number of Transaction Sets Included"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_123">
<xsd:annotation>
<xsd:documentation>Number of Transaction Sets received</xsd:documentation>
</xsd:annotation>
<xsd:simpleContent>

```

```
<xsd:restriction base="EDI-Element-Integer-Type">
  <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
  <xsd:attribute name="ID" type="xsd:string" fixed="123"/>
  <xsd:attribute name="Name" type="xsd:string" fixed="Number of Received Transaction Sets"/>
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_2">
  <xsd:annotation>
    <xsd:documentation>Number of accepted Transaction Sets in a Functional Group</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-Integer-Type">
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="2"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Number of Accepted Transaction Sets"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="E_716">
  <xsd:annotation>
    <xsd:documentation>Code indicating error found based on the syntax editing of the functional group header and/or trailer</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:enumeration value="1"/>
      <xsd:enumeration value="2"/>
      <xsd:enumeration value="3"/>
      <xsd:enumeration value="4"/>
      <xsd:enumeration value="5"/>
      <xsd:enumeration value="6"/>
      <xsd:enumeration value="10"/>
      <xsd:enumeration value="11"/>
      <xsd:enumeration value="12"/>
      <xsd:enumeration value="13"/>
      <xsd:enumeration value="14"/>
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      <xsd:enumeration value="19"/>
      <xsd:enumeration value="20"/>
      <xsd:enumeration value="21"/>
      <xsd:enumeration value="22"/>
      <xsd:enumeration value="23"/>
      <xsd:enumeration value="24"/>
      <xsd:enumeration value="25"/>
      <xsd:enumeration value="26"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="ID"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="716"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Functional Group Syntax Error Code"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
<xsd:complexType name="S_SE">
  <xsd:annotation>
    <xsd:documentation>To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="E_Number_of_Included_Segments" type="E_96"/>
    <xsd:element name="E_Transaction_Set_Control_Number" type="E_329"/>
  </xsd:sequence>
  <xsd:attribute name="Type" type="xsd:string" default="Segment"/>
  <xsd:attribute name="ID" type="xsd:string" default="SE"/>
  <xsd:attribute name="Name" type="xsd:string" default="Transaction Set Trailer"/>
</xsd:complexType>
<xsd:complexType name="E_96">
  <xsd:annotation>
    <xsd:documentation>Total number of segments included in a transaction set including ST and SE segments</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:restriction base="EDI-Element-String-Type">
      <xsd:maxLength value="10"/>
      <xsd:minLength value="1"/>
      <xsd:attribute name="EDIDataType" type="xsd:string" fixed="N0"/>
      <xsd:attribute name="ID" type="xsd:string" fixed="96"/>
      <xsd:attribute name="Name" type="xsd:string" fixed="Number of Included Segments"/>
    </xsd:restriction>
  </xsd:simpleContent>
</xsd:complexType>
```

```
</xsd:restriction>
</xsd:simpleContent>
</xsd:complexType>
</xsd:schema>
```