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1 <?xml version="1.0" encoding="utf-8"?>
2 <xs:schema elementFormDefault="qualified" xmlns:xs="http://www.w3.org/2001/
XMLSchema">
3   <xs:include schemaLocation="AfcsCommonTypes.xsd"/>
4
5   <xs:element name="ActRoot" nillable="true" type="ActRoot" >
6     <xs:annotation>
7       <xs:documentation>
8         Lo schema describe file di attività con:
9         - anagrafica prodotti tariffari
10        - anagrafica apparati
11        - anagrafica cliente
12        - emissione carta
13        - vendita
14        - vendita a distanza
15        - consegna della vendita a distanza (ricariche)
16        - rimborso e/o annullo
17        - validazione
18      </xs:documentation>
19    </xs:annotation>
20  </xs:element>
21
22  <xs:complexType name="ActRoot">
23    <xs:sequence>
24      <xs:element name="Header" type="ActHeader" />
25      <!-- turni di attività -->
26      <xs:element name="ActSet" type="ArrayOfActRecSet" />
27      <xs:element name="Footer" type="ActFooter" />
28    </xs:sequence>
29  </xs:complexType>
30
31  <!-- gli activity sono per apparato, per semplicità un file al giorno con piu'
turni dentro -->
32  <xs:complexType name="ActHeader">
33    <xs:sequence>
34      <xs:element minOccurs="1" maxOccurs="1" name="Version"
type="xs:unsignedShort" />
35      <xs:element minOccurs="1" maxOccurs="1" name="DeviceId" type="DeviceId" />
36      <xs:element minOccurs="1" maxOccurs="1" name="CreationDateTime"
type="xs:dateTime" />
37      <xs:element minOccurs="1" maxOccurs="1" name="ActivityId"
type="xs:unsignedShort" />
38      <!-- anagrafica dei prodotti -->
39      <xs:element minOccurs="0" maxOccurs="1" name="ProductCatalog"
type="ProductCatalog" />
40      <!-- anagrafica degli apparati -->
41      <xs:element minOccurs="0" maxOccurs="1" name="DeviceCatalog"
type="DeviceCatalog" />
42      <!-- aggiornamenti anagrafica clienti -->
43      <xs:element minOccurs="0" maxOccurs="1" name="HolderCatalog"
type="HolderCatalog" />
44    </xs:sequence>
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45     <xs:attribute name="UID" type="ExtReference" use="required" />
46     <xs:attribute name="LineNumber" type="xs:int" use="optional" />
47     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
48 </xs:complexType>
49
50 <!-- Record OPEN SHIFT -->
51 <xs:complexType name="ActShiftOpen">
52     <xs:sequence>
53         <xs:element minOccurs="1" maxOccurs="1" name="ShiftId"
54             type="xs:unsignedShort" />
55         <xs:element minOccurs="1" maxOccurs="1" name="ShiftOpenDateTime"
56             type="xs:dateTime" />
57     </xs:sequence>
58     <xs:attribute name="UID" type="ExtReference" use="required" />
59     <xs:attribute name="LineNumber" type="xs:int" use="optional" />
60     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
61 </xs:complexType>
62
63 <!-- Record CLOSE SHIFT -->
64 <xs:complexType name="ActShiftClose">
65     <xs:sequence>
66         <xs:element minOccurs="1" maxOccurs="1" name="ShiftId"
67             type="xs:unsignedShort" />
68         <xs:element minOccurs="1" maxOccurs="1" name="ShiftCloseDateTime"
69             type="xs:dateTime" />
70     </xs:sequence>
71     <xs:attribute name="UID" type="ExtReference" use="required" />
72     <xs:attribute name="LineNumber" type="xs:int" use="optional" />
73     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
74 </xs:complexType>
75
76 <xs:complexType name="ArrayOfActRecSet">
77     <xs:sequence>
78         <xs:element minOccurs="1" maxOccurs="unbounded" name="ActRecSet"
79             nillable="true" type="ActRecSet" />
80     </xs:sequence>
81 </xs:complexType>
82
83 <xs:complexType name="ActRecSet">
84     <xs:sequence>
85         <xs:element minOccurs="1" maxOccurs="1" name="ActShiftOpen"
86             type="ActShiftOpen" />
87         <!-- Zero or more of ActTrans or ActValid or ActHolder, in arbitrary order -->
88         <xs:choice minOccurs="0" maxOccurs="unbounded">
89             <xs:element minOccurs="0" maxOccurs="1" name="ActTrans"
90                 nillable="true" type="ActTrans" />
91             <xs:element minOccurs="0" maxOccurs="1" name="ActValid"
92                 nillable="true" type="ActValid" />
93         </xs:choice>
94         <xs:element minOccurs="1" maxOccurs="1" name="ActShiftClose"
95             type="ActShiftClose" />
96     </xs:sequence>

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87     <xs:attribute name="UID" type="ExtReference" use="required" />
88     <xs:attribute name="LineNumber" type="xs:int" use="optional" />
89     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
90 </xs:complexType>
91
92 <!-- Record TRANSACTION
93 Una transazione e' caratterizzata da un numero univoco, una data/ora,
94 un insieme di azioni che prevedono un movimento contabile da/verso cliente/
95 azienda di trasporto
96 e dalla lista dei flussi contabili che "pareggiano" i movimenti con diverse
97 modalit  di pagamento.
98 L'indicazione dei flussi contabili   opzionale. Nel caso non sia indicata la
99 modalit  di pagamento
100 della transazione sar  "non definita".
101 -->
102 <xs:complexType name="ActTrans">
103   <xs:sequence>
104     <xs:element minOccurs="1" maxOccurs="1" name="TransNo"
105       type="xs:unsignedInt" />
106     <xs:element minOccurs="1" maxOccurs="1" name="TransDateTime"
107       type="xs:dateTime" />
108     <xs:element minOccurs="1" maxOccurs="1" name="SaleSet" type="ActSaleSet" />
109     <xs:element minOccurs="0" maxOccurs="1" name="CashFlowSet" nillable="true"
110       type="ArrayOfCashFlow" />
111   </xs:sequence>
112   <xs:attribute name="UID" type="ExtReference" use="required" />
113   <xs:attribute name="LineNumber" type="xs:int" use="optional" />
114   <xs:attribute name="LinePosition" type="xs:int" use="optional" />
115 </xs:complexType>
116
117 <!--<xs:complexType name="ArrayOfActSaleSet">
118   <xs:sequence>
119     <xs:element minOccurs="1" maxOccurs="unbounded" name="ActSaleSet"
120       nillable="true" type="ActSaleSet" />
121   </xs:sequence>
122 </xs:complexType>-->
123 <xs:complexType name="ActSaleSet">
124   <xs:sequence>
125     <!-- At least one or more of ActSale or ActRefund or ActCardIssue ... or
126     ActCashFlow, in arbitrary order -->
127     <xs:choice minOccurs="1" maxOccurs="unbounded">
128       <xs:element name="ActSale" type="ActSale" />
129       <xs:element name="ActRefund" type="ActRefund" />
130       <xs:element name="ActCardIssue" type="ActCardIssue" />
131       <xs:element name="ActCardRefund" type="ActCardRefund" />
132     </xs:choice>
133   </xs:sequence>
134   <xs:attribute name="LineNumber" type="xs:int" use="optional" />
135   <xs:attribute name="LinePosition" type="xs:int" use="optional" />
136 </xs:complexType>
137
138 <xs:complexType name="ArrayOfCashFlow">

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131     <xs:sequence>
132       <xs:element minOccurs="1" maxOccurs="unbounded" name="ActCashFlow"
133         nillable="true" type="ActCashFlow" />
134     </xs:sequence>
135 </xs:complexType>
136 <!-- record emissione della carta -->
137 <xs:complexType name="ActCardIssue">
138   <xs:sequence>
139     <xs:element minOccurs="1" maxOccurs="1" name="Holder" type="ActHolder" />
140     <xs:element minOccurs="1" maxOccurs="1" name="Card" type="Card" />
141     <xs:element minOccurs="1" maxOccurs="1" name="Price" type="xs:decimal" />
142     <xs:element minOccurs="0" maxOccurs="1" name="PriceIntegration"
143       type="PriceIntegration" />
144     <xs:element minOccurs="1" maxOccurs="1" name="CardValidityEndDate"
145       type="xs:dateTime" />
146     <xs:element minOccurs="1" maxOccurs="1" name="ProfileValidityEndDate"
147       type="xs:dateTime" />
148     <xs:element minOccurs="0" maxOccurs="1" name="HolderProfileId"
149       nillable="true" type="xs:unsignedShort" />
150     <xs:element minOccurs="0" maxOccurs="1" name="IssuingDateTime"
151       nillable="true" type="xs:dateTime" />
152     <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
153       type="AdditionalInfo" />
154   </xs:sequence>
155   <xs:attribute name="UID" type="ExtReference" use="required" />
156   <xs:attribute name="LineNumber" type="xs:int" use="optional" />
157   <xs:attribute name="LinePosition" type="xs:int" use="optional" />
158 </xs:complexType>
159 <!-- record rimborso della carta -->
160 <xs:complexType name="ActCardRefund">
161   <xs:sequence>
162     <!-- seriale dell'operazione di rimborso carta (elemento di ActTrans) -->
163     <xs:element minOccurs="1" maxOccurs="1" name="Contract" type="Contract" />
164     <xs:element minOccurs="1" maxOccurs="1" name="RefundedCard" type="Card" />
165     <xs:element minOccurs="1" maxOccurs="1" name="RefundedProduct"
166       type="Product" />
167     <xs:element minOccurs="1" maxOccurs="1" name="RefundType"
168       type="xs:unsignedByte" />
169     <xs:element minOccurs="1" maxOccurs="1" name="Price" type="xs:decimal" />
170     <xs:element minOccurs="0" maxOccurs="1" name="PriceIntegration"
171       type="PriceIntegration" />
172     <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
173       type="AdditionalInfo" />
174   </xs:sequence>
175   <xs:attribute name="UID" type="ExtReference" use="required" />
176   <xs:attribute name="LineNumber" type="xs:int" use="optional" />
177   <xs:attribute name="LinePosition" type="xs:int" use="optional" />
178 </xs:complexType>
179 <!-- record vendita -->
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172 <xs:complexType name="ActSale">
173   <xs:sequence>
174     <xs:element minOccurs="1" maxOccurs="1" name="Contract" type="Contract" />
175     <xs:element minOccurs="0" maxOccurs="1" name="HolderProfileId"
176       nillable="true" type="xs:unsignedShort" />
177     <xs:element minOccurs="1" maxOccurs="1" name="Product" type="Product" />
178     <!-- Price: paid price by the customer at the box office
179       PriceIntegration is used when Price is minor of FullPrice to specify
180       the organizations to be invoiced
181       and, if there is more than one, price quotas
182     -->
183     <xs:element minOccurs="1" maxOccurs="1" name="Price" type="xs:decimal" />
184     <xs:element minOccurs="0" maxOccurs="1" name="PriceIntegration"
185       type="PriceIntegration" />
186     <xs:element minOccurs="1" maxOccurs="1" name="Card" type="Card" />
187     <xs:element minOccurs="0" maxOccurs="1" name="CtrValStartDateTime"
188       nillable="true" type="xs:dateTime" />
189     <xs:element minOccurs="0" maxOccurs="1" name="CtrValEndDateTime"
190       nillable="true" type="xs:dateTime" />
191     <!-- per indicare che e' una vendita a distanza, default CardPresent =
192       "true" -->
193     <xs:element minOccurs="0" maxOccurs="1" name="CardPresent"
194       type="xs:boolean" />
195     <xs:element minOccurs="0" maxOccurs="1" name="ProductSaleParam"
196       type="ProductSaleParam" />
197     <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
198       type="AdditionalInfo" />
199   </xs:sequence>
200   <xs:attribute name="UID" type="ExtReference" use="required" />
201   <xs:attribute name="LineNumber" type="xs:int" use="optional" />
202   <xs:attribute name="LinePosition" type="xs:int" use="optional" />
203 </xs:complexType>
204
205 <!-- record rimborso -->
206 <xs:complexType name="ActRefund">
207   <xs:sequence>
208     <xs:element minOccurs="1" maxOccurs="1" name="Contract" type="Contract" />
209     <xs:element minOccurs="1" maxOccurs="1" name="Product" type="Product" />
210     <xs:element minOccurs="1" maxOccurs="1" name="RefundedContract"
211       type="Contract" />
212     <xs:element minOccurs="1" maxOccurs="1" name="RefundedProduct"
213       type="Product" />
214     <xs:element minOccurs="1" maxOccurs="1" name="RefundType"
215       type="xs:unsignedByte" />
216     <xs:element minOccurs="1" maxOccurs="1" name="Price" type="xs:decimal" />
217     <xs:element minOccurs="0" maxOccurs="1" name="PriceIntegration"
218       type="PriceIntegration" />
219     <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
220       type="AdditionalInfo" />
221   </xs:sequence>
222   <xs:attribute name="UID" type="ExtReference" use="required" />
223   <xs:attribute name="LineNumber" type="xs:int" use="optional" />

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210     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
211 </xs:complexType>
212
213 <!-- record validazione -->
214 <xs:complexType name="ActValid">
215     <xs:sequence>
216         <xs:element minOccurs="1" maxOccurs="1" name="ValidDateTime"
217             type="xs:dateTime" />
218         <xs:element minOccurs="1" maxOccurs="1" name="Line" type="Line" />
219         <xs:element minOccurs="1" maxOccurs="1" name="Locality" type="Node" />
220         <xs:element minOccurs="1" maxOccurs="1" name="Stop" type="Node" />
221         <xs:element minOccurs="1" maxOccurs="1" name="Card" type="Card" />
222         <xs:element minOccurs="1" maxOccurs="1" name="Contract" type="Contract" />
223         <xs:element minOccurs="1" maxOccurs="1" name="Product" type="Product" />
224         <xs:element minOccurs="0" maxOccurs="1" name="ValidityStartDateTime"
225             nillable="true" type="xs:dateTime" />
226         <xs:element minOccurs="0" maxOccurs="1" name="ValidityEndDateTime"
227             nillable="true" type="xs:dateTime" />
228         <xs:element minOccurs="0" maxOccurs="1" name="NoOfJourneysLeft"
229             type="xs:unsignedShort" />
230         <xs:element minOccurs="0" maxOccurs="1" name="PassengerTotal"
231             type="xs:unsignedByte" />
232         <xs:element minOccurs="0" maxOccurs="1" name="Distance"
233             type="xs:unsignedShort" />
234         <xs:element minOccurs="1" maxOccurs="1" name="ValidationType"
235             type="xs:unsignedByte" />
236         <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
237             type="AdditionalInfo" />
238     </xs:sequence>
239     <xs:attribute name="UID" type="ExtReference" use="required" />
240     <xs:attribute name="LineNumber" type="xs:int" use="optional" />
241     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
242 </xs:complexType>
243
244 <!-- record CASHFLOW -->
245 <xs:complexType name="ActCashFlow">
246     <xs:sequence>
247         <xs:element minOccurs="1" maxOccurs="1" name="FlowType"
248             type="xs:unsignedByte" />
249         <xs:element minOccurs="1" maxOccurs="1" name="PaymentType"
250             type="xs:unsignedByte" />
251         <xs:element minOccurs="1" maxOccurs="1" name="Amount" type="xs:decimal" />
252         <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
253             type="AdditionalInfo" />
254     </xs:sequence>
255     <xs:attribute name="UID" type="ExtReference" use="required" />
256     <xs:attribute name="LineNumber" type="xs:int" use="optional" />
257     <xs:attribute name="LinePosition" type="xs:int" use="optional" />
258 </xs:complexType>
259
260 <xs:complexType name="ActFooter">
261     <xs:sequence>
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251     <xs:element minOccurs="0" maxOccurs="1" name="AdditionalInfo"
252         type="AdditionalInfo" />
253 </xs:sequence>
254 <xs:attribute name="UID" type="ExtReference" use="required" />
255 <xs:attribute name="LineNumber" type="xs:int" use="optional" />
256 <xs:attribute name="LinePosition" type="xs:int" use="optional" />
257 </xs:complexType>
258 <!-- per costringere xsd a serializzare elementi non referenziati nell'albero -->
259 <!--<xs:element name="myElement" type="myElement" />-->
260
261 </xs:schema>
```