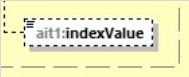
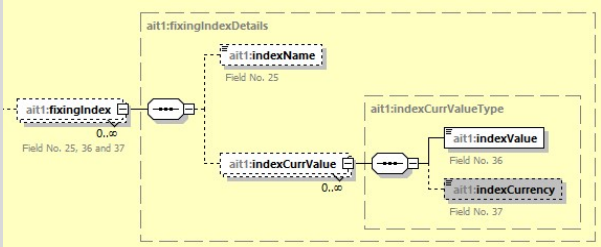
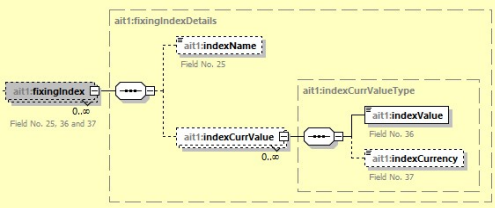
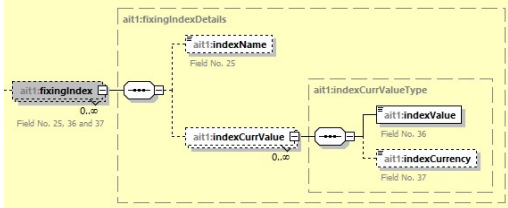
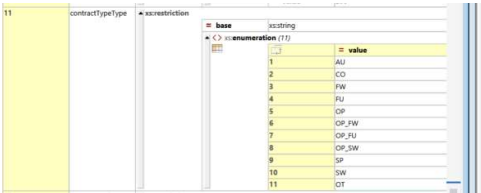
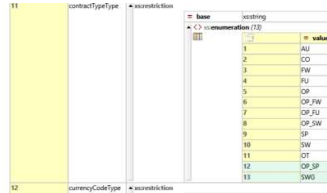
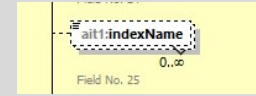
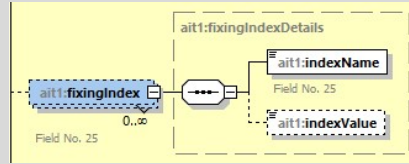


Table 1 Schema Changes - Overview of Finalised V3 Schema (REMITTable1\_V3)

Changes in Scope	Screenshot of the implementation (comparison between REMITTable1_V2 and V3)	
	V2:	V3:
1.Introducing a new optional element corresponding to Data Field No (37) Price Currency, XSD name:indexCurrency, into the fixingIndex optional element, subelement indexCurrValue.		
2.Placing the complex element corresponding to Data Fields No (36) Index value and No (37) Price currency, XSD name: fixingIndex, under the order and trade sections of the XML schema (OrderList and TradeList) and removing it from the contract section of the schema (ContractList).		
3.Removing the element corresponding to Data Field No (25) Fixing index or reference price, XSD name:indexName, from the complex element fixingIndex, and placing it as a stand-alone element in the ContractList.	<pre>&lt;xs:element name="fixingIndex" type="ait1:fixingIndexDetails" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Field No. 25&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>	<pre>&lt;xs:element name="indexName" type="ait1:fixingIndexType" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Field No. 25&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>
4. Addition of "OP_SP" (Option on spread) and "SWG" (Swings) as allowed values for the element corresponding to Data Field No (23) Contract type in TRUM, XSD name:contractType.		
5.Making the element corresponding to Data Field No (22) Contract name, XSD name: contractName, mandatory in the schema.	<pre>&lt;xs:element name="contractName" type="ait1:contractNameType" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Field No. 22&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>	<pre>&lt;xs:element name="contractName" type="ait1:contractNameType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Field No. 22&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>
6.Correcting the regular expression pattern of the accepted values for the Extra field in the XML schema XSD name:extra, XSD type: extraType. There is an error in REMIT Table 1 V2 where two key==value pair required (separated by a semicolon ';' for the contents of the extra element to be considered valid. The correction aims at ensuring one key==value pair is considered valid. The pattern suggested by an RRM be implemented: „((\\w+==(\\d+\\.\\d+) (\\d+) (\\w+)))(;\\w+==(\\d+\\.\\d+) (\\d+) (\\w+)))*”	<pre>&lt;xs:simpleType name="extraType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:maxLength value="1000"/&gt;     &lt;xs:pattern value="((\\w+==(\\d+\\.\\d+) (\\d+) (\\w+)))(;\\w+==(\\d+\\.\\d+) (\\d+) (\\w+)))*"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>	<pre>&lt;xs:simpleType name="extraType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="1"/&gt;     &lt;xs:maxLength value="1000"/&gt;     &lt;xs:pattern value="((\\w+==(\\d+\\.\\d+) (\\d+) (\\w+)))(;\\w+==(\\d+\\.\\d+) (\\d+) (\\w+)))*"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>

A.1.4 Removal of the element corresponding to Data Field No (36) Index Value, XSD name:indexValue, from the contract section of the schema (ContractList).



A.1.5 Changing the cardinality of the element corresponding to Data Field No (41) Total notional contract quantity, XSD name: totalNotionalContractQuantity, from optional to mandatory only in the trade section of the schema (TradeList).

```
<xs:element name="totalNotionalContractQuantity" type="ait1:notionalQuantityType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 41</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="totalNotionalContractQuantity" type="ait1:notionalQuantityType" minOccurs="1">
  <xs:annotation>
    <xs:documentation>Field No. 41</xs:documentation>
  </xs:annotation>
</xs:element>
```

Affected elements:

lastTradingDateTime

```
<xs:element name="lastTradingDateTime" type="xs:dateTime" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 29</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="lastTradingDateTime" type="ait1:dateTimeRestriction" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 29</xs:documentation>
  </xs:annotation>
</xs:element>
```

transactionTime

```
<xs:element name="transactionTime" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Field No. 30</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="transactionTime" type="ait1:dateTimeRestriction">
  <xs:annotation>
    <xs:documentation>Field No. 30</xs:documentation>
  </xs:annotation>
</xs:element>
```

originalEntryTime

```
<xs:element name="originalEntryTime" type="xs:dateTime" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 30</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="originalEntryTime" type="ait1:dateTimeRestriction" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 30</xs:documentation>
  </xs:annotation>
</xs:element>
```

executionTime

```
<xs:element name="executionTime" type="xs:dateTime" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 30</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="executionTime" type="ait1:dateTimeRestriction" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 30</xs:documentation>
  </xs:annotation>
</xs:element>
```

terminationDate

```
<xs:element name="terminationDate" type="xs:dateTime" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 43</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="terminationDate" type="ait1:dateTimeRestriction" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 43</xs:documentation>
  </xs:annotation>
</xs:element>
```

expirationDateTime

```
<xs:element name="expirationDateTime" type="xs:dateTime" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 43</xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="expirationDateTime" type="ait1:dateTimeRestriction" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Field No. 43</xs:documentation>
  </xs:annotation>
</xs:element>
```

Pattern Definition: <xs:simpleType name="ait1:dateTimeRestriction" base="xs:dateTime" pattern="^\d{4}-\d{2}-\d{2}T\d{2}:\d{2}(\.\d{1,3})?Z|[\+]\d{2}:\d{2}\$"/>

A.7.1 Configuring all fields related to "datetime/timestamps" to only allow four digits for the year, and make the time zone offset or zoned time (with offset) mandatory.

loadDeliveryStartTime, loadDeliveryEndTime:

	name	type	annotation
1	loadDeliveryStartTime	xs:time	xs:annotation
2	loadDeliveryEndTime	xs:time	xs:annotation

	name	type	annotation
1	loadDeliveryStartTime	ait1:timeRestriction	xs:annotation
2	loadDeliveryEndTime	ait1:timeRestriction	xs:annotation

intervalStartTime and intervalEndTime:

	name	type	annotation
1	intervalStartTime	xs:time	xs:annotation
2	intervalEndTime	xs:time	xs:annotation

	name	type	annotation
1	intervalStartTime	ait1:timeRestriction	xs:annotation
2	intervalEndTime	ait1:timeRestriction	xs:annotation

A.7.2 Including an enforcement of the applicable pattern in regards to the local time zone in the element corresponding to Data Field No (54) Load delivery intervals, XSD names: loadDeliveryStartTime and loadDeliveryEndTime, XSD type: xs:time. No time zone offset or zoned time (with offset) is required. No milliseconds.

Affected elements: loadDeliveryStartTime, loadDeliveryEndTime, intervalStartTime and intervalEndTime (previously from type xs:time)

A.7.3 Removing any default values in the XML schemas. Only affects Settlement Method

```
<xs:simpleType name="ait1:timeRestriction" base="xs:time">
  <xs:restriction base="xs:time">
    <xs:pattern value="^\d{2}:\d{2}$"/>
  </xs:restriction>
</xs:simpleType>
```

```
<xs:element name="settlementMethod" type="ait1:settlementMethodType" default="99">
  <xs:annotation>
    <xs:documentation>Field No. 26</xs:documentation>
  </xs:annotation>
</xs:element>
```

contractIDType and contractNameType:

contractIDType	contractNameType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="50"   &lt;xs:pattern value="^([A-Z]{1,50})\$"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="1"   &lt;xs:pattern value="^([A-Z]{1,1})\$"/&gt; </pre>

extraType:

extraType	extraType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:maxLength value="1000"   &lt;xs:pattern value="^([A-Z]{1,1000})\$"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="1"   &lt;xs:pattern value="^([A-Z]{1,1})\$"/&gt; </pre>

fixingIndexType:

fixingIndexType	fixingIndexType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:maxLength value="150"   &lt;xs:pattern value="^([A-Z]{1,150})\$"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="1"   &lt;xs:pattern value="^([A-Z]{1,1})\$"/&gt; </pre>

orderIdentifierType:

orderIdentifierType	orderIdentifierType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:maxLength value="100"   &lt;xs:pattern value="^([A-Z]{1,100})\$"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="1"   &lt;xs:pattern value="^([A-Z]{1,1})\$"/&gt; </pre>

restrictedString:

restrictedString	restrictedString
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:maxLength value="100"   &lt;xs:pattern value="^([A-Z]{1,100})\$"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="1"   &lt;xs:pattern value="^([A-Z]{1,1})\$"/&gt; </pre>

traderCode: & uniqueTransactionIdentifierType:

traderCode	uniqueTransactionIdentifierType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:maxLength value="100"   &lt;xs:pattern value="^([A-Z]{1,100})\$"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:minLength value="1"   &lt;xs:maxLength value="1"   &lt;xs:pattern value="^([A-Z]{1,1})\$"/&gt; </pre>

A.7.6 Whenever an element is defined as mandatory and has only maximal length defined, minimal length must be defined too (minimal length=1).

A.2.1 Making the elements corresponding to Data Fields No (44) "Option style" and No (45) "Option type", XSD names: optionStyle and optionType, mandatory in the schema if the element corresponding to Data Field No (23) Contract type, XSD name contractType, contains one of the following values: OP, OP\_FW, OP\_FU, OP\_SW or OP\_SP. This change reflects the current logic of 2 enabled validation rules, 2AODOSR1 and 2AODOTR1. Not technically feasible — will remain validated with VRs

Out of scope

<xs:element name="unit" type="ait1:QuantityUnitType">

QuantityUnitType	QuantityUnitType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:enumeration value="1"   &lt;xs:enumeration value="2"   &lt;xs:enumeration value="3"   &lt;xs:enumeration value="4"   &lt;xs:enumeration value="5"   &lt;xs:enumeration value="6"   &lt;xs:enumeration value="7"   &lt;xs:enumeration value="8"   &lt;xs:enumeration value="9"   &lt;xs:enumeration value="10"   &lt;xs:enumeration value="11"   &lt;xs:enumeration value="12"   &lt;xs:enumeration value="13"   &lt;xs:enumeration value="14"   &lt;xs:enumeration value="15"   &lt;xs:enumeration value="16"   &lt;xs:enumeration value="17"   &lt;xs:enumeration value="18"   &lt;xs:enumeration value="19"   &lt;xs:enumeration value="20"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:enumeration value="1"   &lt;xs:enumeration value="2"   &lt;xs:enumeration value="3"   &lt;xs:enumeration value="4"   &lt;xs:enumeration value="5"   &lt;xs:enumeration value="6"   &lt;xs:enumeration value="7"   &lt;xs:enumeration value="8"   &lt;xs:enumeration value="9"   &lt;xs:enumeration value="10"   &lt;xs:enumeration value="11"   &lt;xs:enumeration value="12"   &lt;xs:enumeration value="13"   &lt;xs:enumeration value="14"   &lt;xs:enumeration value="15"   &lt;xs:enumeration value="16"   &lt;xs:enumeration value="17"   &lt;xs:enumeration value="18"   &lt;xs:enumeration value="19"   &lt;xs:enumeration value="20"/&gt; </pre>

<xs:element name="unit" type="ait1:NotionalQuantityUnitType">

NotionalQuantityUnitType	NotionalQuantityUnitType
<pre> &lt;xs:restriction base="xs:string"   &lt;xs:enumeration value="1"   &lt;xs:enumeration value="2"   &lt;xs:enumeration value="3"   &lt;xs:enumeration value="4"   &lt;xs:enumeration value="5"   &lt;xs:enumeration value="6"   &lt;xs:enumeration value="7"   &lt;xs:enumeration value="8"   &lt;xs:enumeration value="9"   &lt;xs:enumeration value="10"   &lt;xs:enumeration value="11"   &lt;xs:enumeration value="12"   &lt;xs:enumeration value="13"   &lt;xs:enumeration value="14"   &lt;xs:enumeration value="15"/&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"   &lt;xs:enumeration value="1"   &lt;xs:enumeration value="2"   &lt;xs:enumeration value="3"   &lt;xs:enumeration value="4"   &lt;xs:enumeration value="5"   &lt;xs:enumeration value="6"   &lt;xs:enumeration value="7"   &lt;xs:enumeration value="8"   &lt;xs:enumeration value="9"   &lt;xs:enumeration value="10"   &lt;xs:enumeration value="11"   &lt;xs:enumeration value="12"   &lt;xs:enumeration value="13"   &lt;xs:enumeration value="14"   &lt;xs:enumeration value="15"/&gt; </pre>

Annex C Adding "thousand cubic metres" as an allowed unit value in the element corresponding to Data field No (42) Quantity unit, XSD name: unit: For field 40 (XSD name: "quantityUnitType"), "tcm/d", and for field 41 (XSD name: "notionalQuantityUnitType"), "tcm".

uniqueOrderIdentifier & linkedOrderId:

uniqueOrderIdentifier	linkedOrderId
<pre> &lt;xs:simpleType name="orderIdentifierType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:maxLength value="100"/&gt;     &lt;xs:pattern value="[A-Za-z0-9_-]*"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	<pre> &lt;xs:restriction base="xs:string"&gt;   &lt;xs:minLength value="1"/&gt;   &lt;xs:maxLength value="100"/&gt;   &lt;xs:pattern value="[A-Za-z0-9_-]*([A-Za-z0-9_-])*[A-Za-z0-9_-]*"/&gt; &lt;/xs:restriction&gt; </pre>

uniqueTransactionIdentifier:

uniqueTransactionIdentifier	uniqueTransactionIdentifier
<pre> &lt;xs:simpleType name="uniqueTransactionIdentifierType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:maxLength value="100"/&gt;     &lt;xs:pattern value="[A-Za-z0-9_-]*"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	<pre> &lt;xs:simpleType name="uniqueTransactionIdentifierType"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:minLength value="1"/&gt;     &lt;xs:maxLength value="100"/&gt;     &lt;xs:pattern value="[A-Za-z0-9_-]*([A-Za-z0-9_-])*[A-Za-z0-9_-]*"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>

Update of the UTI value pattern and minLength in order to harmonise values with ESMA's guidance: a change is introduced to avoid values that start with a space, contain only a single space, or end with a trailing space. The same change has been applied to data fields (13) Order ID and (33) Linked Order ID.

Update of the namespace to V3 of the schema.

xmlns:ait1	targetNamespace
http://www.acer.europa.eu/REMIT/REMITTable1_V2.xsd	http://www.acer.europa.eu/REMIT/REMITTable1_V3.xsd