

## **SUTI Changes in documentation**

### **Changes in documentation made 2008-12-01 (v.2.2.0)**

6 new messages. Login/Logoff messages for available resources. See Suti\_Messages\_2\_2\_0.doc for further details.

1020 Resource Login  
 1021 Resource Login Confirmation  
 1022 Resource Login Reject  
 1023 Resource Logoff  
 1024 Resource Logoff Confirmation  
 1025 Resource Logoff Reject

New attribute 2319 Foldable Seat. Used under <content><attributeContent><attribute>.

<referenceTo><idPassword> New optional idType-element to send a password in the 1020 msg.

<seats><noOfSeatsMax> New optional attribute. It makes it possible for the client to request a vehicle with a specific capacity.

Attribute 2316 was defined 2 times in the attribute-list. "Lay in front seat" has been moved to 2318.

### **Changes in documentation made 2008-11-05 (v.2.1.0)**

<msg><msgTimeStamp> A new timestype-element. It is used to timestamp the sender's creation of the message.

<msg><infoTimeStamp> A new timestype-element. It is used to timestamp the information in the message. It allows the provider for example to send a time with msg 5021 (Requested Location) when the vehicle's location was valid.

<msg><orderReport>  
 <msg><orderLink>  
 <msg><locationRequest>  
 <msg><pickupConfirmation>

The above elements are now also defined as own complex types. In previous versions they were defined only as elements directly under <msg> and could not be re-used.

<priceCalculation><kmFeeDistance>  
 The total distance of the order.

<priceCalculation><minuteFeeTime>  
 The total time for the order in minutes.

<msg><resourceDispatch> This element can also be sent in msg 3003 Dispatch Confirmation to notify the client of the vehicles attributes.

### **Changes in documentation made 2007-12-21 (v.2.0.1)**

<route><node><timesNode> has been changed from required to optional. This is because the destinationtime is not always known.

<economyReport><Payment> has been changed to <formOfPayment>.

noOfVehicle has been changed from element to attribute. Since the text-part of xml is not used elsewhere in the standard.

<associatedReservation><idReservation> has been changed from string type to idType.

A new attribute MethodDispatch has been added to ResourceType. Optional string with the enumerations: normal / change.

Two eventtypes enumerations for msg 4010 PickupConfirmation have been added.

“Estimated time for pickup”

“Estimated time for dropoff”

A new idType – IdActionText has been added in manualDescriptionType. This makes it possible to send an id corresponding to a set of standardtexts that SUTI will maintain: SUTI:idActionText.

Enumerations that were missing in the previous release were added.

### **Changes in documentation made 2007-03-26 (v.2.0.0)**

Msg 6001 orderReport added in schema.

<agreement><product> has been altered. From this version only 0 or 1 product will be possible.

OrderSentBefore added in orderreject as a reason for rejection. This is used to indicate that this order has been sent before and are rejected due to that reason. This solves the problem with an order that has been received but not properly accepted (the client failed to receive Msg 2001 by some reason).

NoOfVehicles has been added in vehicle. This will be used to order 2 or more vehicles.

RidEkInfo has been added in payment. A new type idEkInfo has been added. This solves the problem of referencing to a special project and cost centers and their identity.

Msg 2050 Order Freeze has been added. This msg will be used to indicate to the Client that no more alterations are accepted after this message has been sent.

IdMsgRef has been added to referencesTo. This is used to make a connection between orderId, messageId and messageType. This is not possible if several orders are used, example: clients idOrder and providers idOrder that occur in different messages for the first time. With this reference a clear connection can be made.

Msg 2020 Node Cancellation has been added. This makes it possible to cancel a single node consisting of start, usually a pickup, and end node, usually a destination. This message are sent by the Client and the provider will use the same answer as for msg 2010 Order Cancellation.

Document SUTI Tools altered. XMLSpy home edition no longer available.

In process a new attribute, “orderAlteration”, has been added. This attribute indicates that this is an alteration of a previous sent order. A complete (full) order including both altered and unaltered parts of the order shall be sent.

Document “SUTI\_Messages\_2\_0\_0” has been updated with msg 2020, 2021, 2022, 2023, 2050 and 6001.

Document “SUTI\_MsgFlow\_2\_0\_0” has been updated with msg 2020, 2021, 2022, 2023, 2050 and 6001.

## Changes in documentation made 2006-03-06 (v.1.1.1)

Document SUTI\_DriverAttributes has been dropped from version 1.1.1. Document is fully replaced by "SUTI\_AttributeList\_1\_1\_1.xls".

Document SUTI\_VehicleAttributes has been dropped from version 1.1.1. Document is fully replaced by "SUTI\_AttributeList\_1\_1\_1.xls".

Document SUTI\_AttributeList\_1\_1\_1.xls has been added. The document contains all attributes handled by SUTI.

Document SUTI\_LinksToISOStandards\_1\_1\_1.doc has been added. The document contains links to organisations that handles ISO-standards used by SUTI.

Document SUTI\_MessageXSD\_1\_1\_0.xsx has been dropped from version 1.1.1. Document is fully replaced by "SUTI\_MessageXSD\_1\_1\_1.xsd".

Document SUTI\_MessageXSD\_1\_1\_0.xml has been dropped from version 1.1.1. Document is fully replaced by "SUTI\_MessageXSD\_1\_1\_1.xsd".

Document SUTI\_MessageTypes\_1\_1\_x.doc has been dropped from version 1.1.1. The document has no longer any function.

<agreement><product> has been altered. Earlier versions accepted only 0 or 1 product. From version 1.1.1, 0 to many products are accepted. Reason: A agreement can include several products.

<order><process> manualDispatch has been added in attributes. Reason: some orders may need manual handling before dispatching.

<idAttribute> References to ISO 639-2 if the attribute is a language attribute. In other cases it references to the latest version of SUTI\_AttributeList.

<manualDescriptionType> has been changed. The following attributes has been added: sendtoInvoice (message shall be sent to invoicing system), sendtoVehicle (message shall be sent to vehicle), sendtoOperator (message shall be sent to operator) and vehicleConfirmation (the message need to be confirmed from vehicle).

<ManualDescriptionResource> has been altered. Earlier versions accepted only 0 or 1 product. From version 1.1.1, 0 to many products are accepted.

<route><node> has been altered. Attribute subnodesType has been added. subnodeTypes references to nodeType "action" and indicate the specific type of action that shall be performed at this node. nodeType and subnodeType can be found in the latest version of SUTI\_AttributeList.

<route><node><addressNode> has been altered. Attribute mapPage has been added. Used to reference to a map used by client and/or provider.

<route><node><addressNode> has been altered. idMap, idZone and idCountry has been added.

<route><node><addressNode><attributeAddress> has been added. Used to indicate special need for equipment at this specific Address in this node. Attributes can be found in the latest version of SUTI\_AttributeList. This alteration apply to all addressType.

<route><node><timesNode><time> has been altered. Attribute timeType (type of time) and dwellTime (time to spend att this node) ha been added. Attributes can be found in the latest version of SUTI\_AttributeList. This alteration apply to all timesType. Annotations has been added.

<route><node><contents><content><attributeContent> has been added. Used to indicate special need for equipment at this specific content at this node. Attributes can be found in the latest version of SUTI\_AttributeList.

<payment> has been altered. Amount was required in earlier versions. Altered to optional from version 1.1.1. Reason: If taximeter are used to count the fare, no amount can be given here.

<pickupConfirmation> altered. Attributes has been added. eventType are used to give this message a wider use. eventType can be found in the latest version of SUTI\_AttributeList.

<msg><references to> idSuborder added and annotation altered. Msg 2000 added. This reason for this is to make it possible to alter an order. In an alteration the same order number are used and in <references to> the supplier orderId from the original order are used.

Document “Remaining alterations 20050815” has been changed into a document vith version handling. In the document two priorities are used, High and Low. High indicates that the alteration shall be implemented in the next version. Low indicates it will be implemented in a later version.

Annotations has been added throughout the schema.

### **Changes in documentation made 2005-08-15 (v.1.1.0)**

The Swedish document “Kvarstående ändringar YYYYMMDD” has been replaced by an English document “Remaining alterations YYYYMMDD”.

The Swedish document “SUTI\_Meddelande\_1\_0\_4” has been replaced by an English document “SUTI\_Messages\_1\_x\_x”.

A new document added, “RequestForSutiLinkRegistration\_1\_1\_X”. The document is used to register a new SUTI-link.

A new document added, “SUTI\_Description of SUTI Id\_1\_1\_x”. The document describes how to make a complete SUTI Id and how to register a new link.

### **Changes in documentation made 2005-02-07 (v.1.0.4)**

1 <order> <resourceOrder > <vehicleStartPosition> has been renamed <vehicleStartLocation>. From now on “Position” is a reserved word that describes a certain seat (position) in a vehicle.

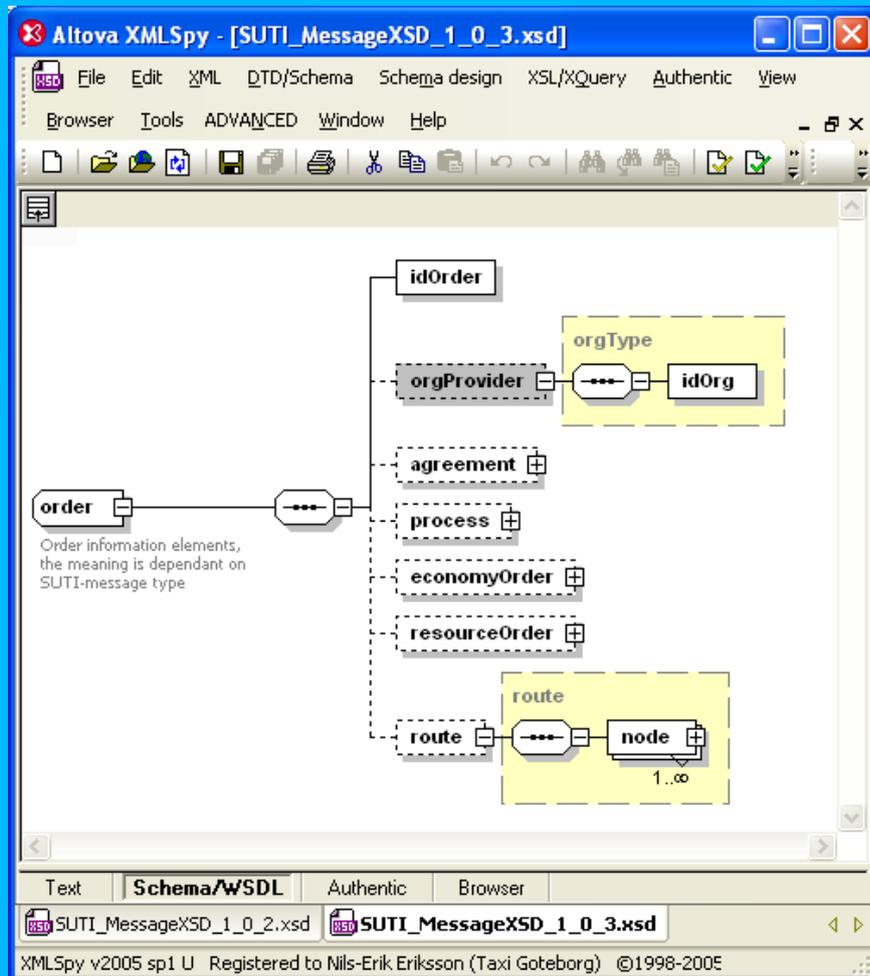
2 <addressType> : <geographicLocation> is changed to optional.

## Changes in documentation made 2005-01-17 (v.1.0.3)

1. <orgProvider> added to <order>. orgProvider is used to identify the company that is the service provider for the specific order in the case where the receiver of the document is handling orders from more than one service provider.

```

orgReceiver      +----- orgProvider 1
                  |----- orgProvider 2
                  |----- orgProvider 3
  
```



## Changes in documentation made 2004-11-18 (v.1.0.2)

1. Document "SUTI\_Inforamtionselement\_1\_0\_1.xls" has been dropped from version 1.0.2. Document is fully replaced by XML schema "SUTI\_MessageXSD\_1\_0\_2.xsd".
2. The word "Address" was spelled as "Adress" in "SUTI\_MessageXSD\_1\_0\_2.xsd". This is changed into "Address" in this version.
3. <adressPosition> changed to <addressLocation>. Position is from this version used to indicate the seating in a vehicle. To indicate a geographical point Location will be used.
4. <economyType> : <price> is changed to optional.
5. <payment>: <idCurrency> is changed to idType.
6. <contents> : <resourceContent> and <economyContent> are changed to Optional.
7. <idAddressName>, <idCommunity> and <idStreet> has been added to <addressType>. All are type idType.
8. A new message 2040 Order Linked has been added. It is used to indicate that several orders has been linked into a separate order and are sent by the Service Provider to the Client. The client is free to use this information in future references to these orders. With this information the Client can make alterations in a separate order in this linked order or make alterations to the complete set of orders. <orderLink> added to XML schema. Message 2040 replaces message 5040 showed in SUTI
9. <vehicleStartPosition> added to <resourceOrder > under <order>. This makes it possible to dispatch a vehicle from a location separated from the first pickup point.
10. Message 5020 Request for Location has been changed. In the new version it is possible to request both a single position as before. But it is also possible to order a tracking of a vehicle. To do that a new tag, <locationRequest> is added. In <locationRequest> it is possible to add starting time, ending time, time interval in seconds and distance interval in meters.
11. Message 5021 removed from block 40.
12. In "SUTI\_Meddelande\_1\_0\_1" message 5020 and 5021 referred to message 4030. Message 4030 is moved to block 70 and called 7031. This is corrected in this version.
13. Document " SUTI\_MessageSchema\_1\_0\_1.doc" has been dropped from version 1.0.2. Document is fully replaced by XML schema "SUTI\_MessageXSD\_1\_0\_2.xsd".