SUTI Use Cases

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1. Use Cases general Description and Use

2. Use cases

2.1 Order

2.1.1 Order flow

2.1.1.1 Basic flow

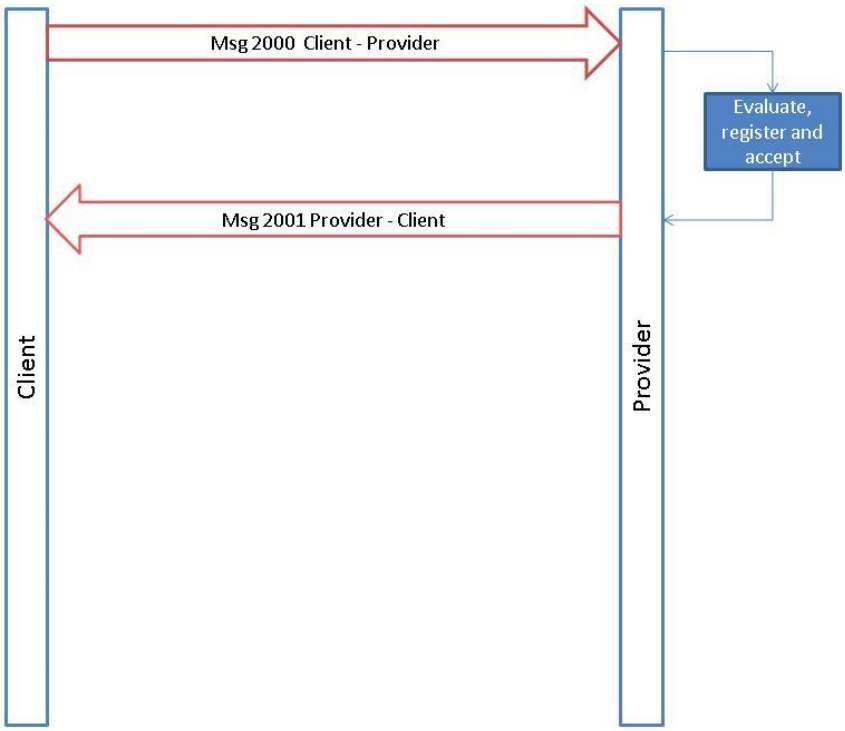
General

This flow can be used when the client only has the need to send orders to the provider and has no need for knowledge about how the order proceeds by the provider. With the addition of other Order Events (see below) like Order/node cancellation a fairly general simple order process can be maintained.

Recommended Solution

	Client	Provider	Comment
1	Sends MSG2000		Sent with a unique order id.
2		Receives MSG2000	Stores the order with an unique order id.
3		Immediately sends a MSG2001 as acceptance	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can't use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001		Stores the order id from the provider including the source used.

Flow chart



2.1.1.2 Typical flow

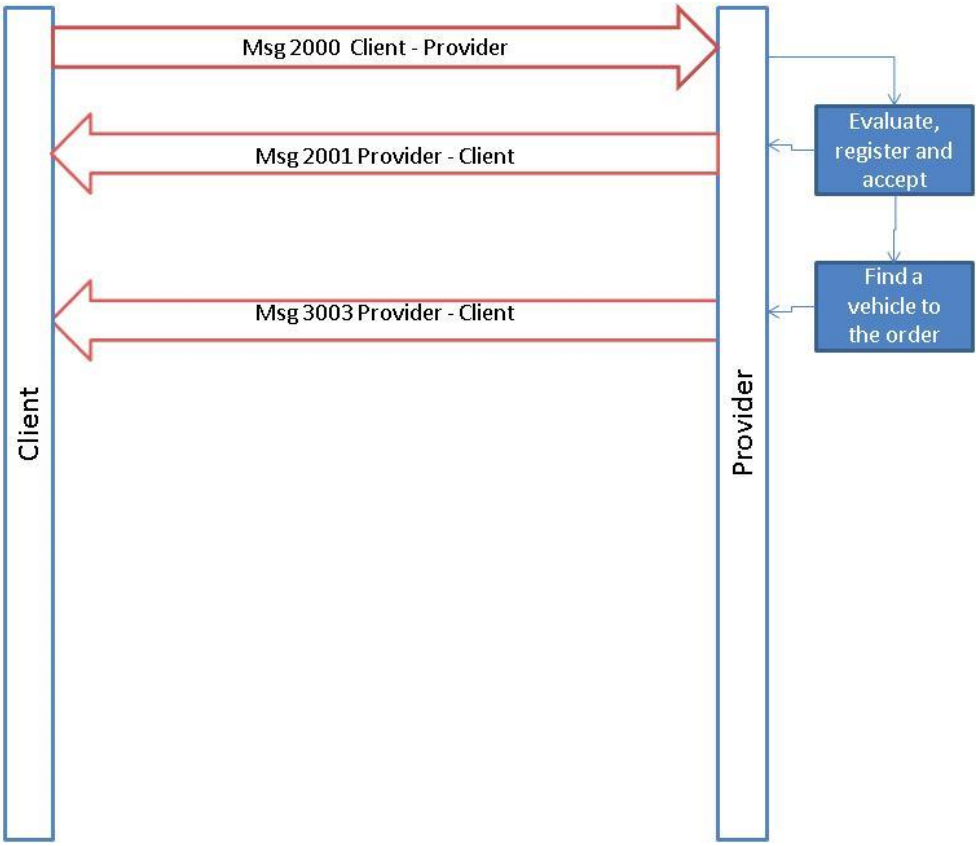
General

This flow can be used when the client has the need to send orders to the provider and need information about how the process continues at each node and has to know how the order was fulfilled. As for Basic Flow additions of Order Events forms the process to a general order process.

Recommended Solution

	Client	Provider	Comment
1	Sends MSG2000		Sent with a unique order id.
2		Receives MSG2000	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can't use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001		Stores the order id from the provider including the source used.
5		Sends MSG3003	Shall be sent after a vehicle has accepted the order. Shall include information about the identity of the vehicle
6		Sends MSG4010 for node number 1	At least one message shall be sent for each node
8		Sends MSG4010 for node number 2	
9		Sends MSG 6001 Order report	Shall be sent as soon as the receipt is printed out in the vehicle (order completed)

Flow chart


Msg 2000 Client - Provider
Msg 2001 Provider - Client
Msg 3003 Provider - Client
Client
Provider
Evaluate, register and accept
Find a vehicle to the order

2.1.1.3 Extensive flow

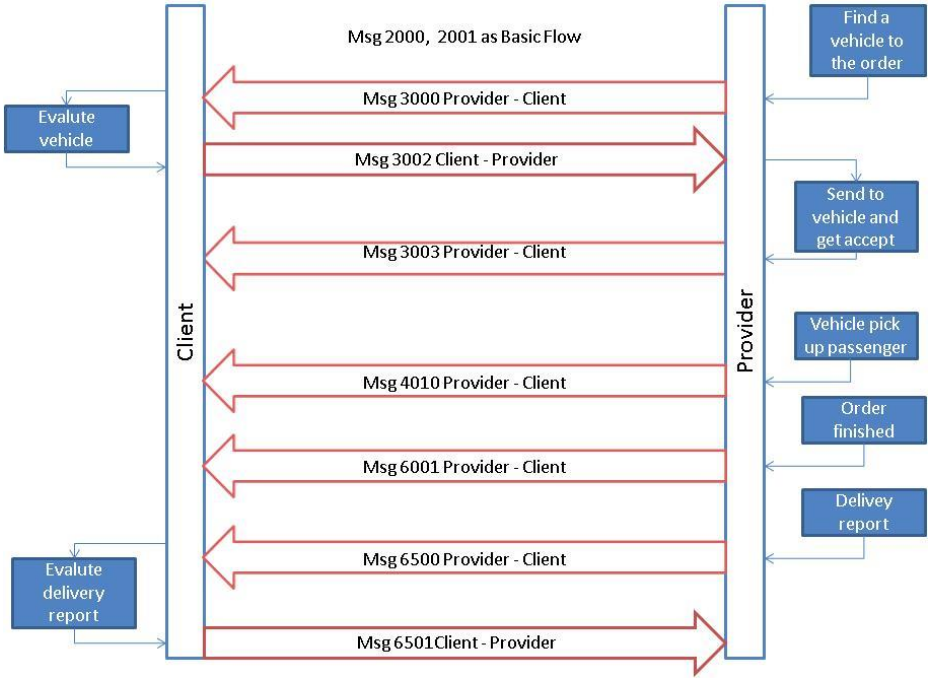
General

This flow can be used when the client has the need to control and accept the resources that the provider suggests for each order. In addition the use of Delivery Note includes the possibility to exchange information necessary to handle the fulfilment of the agreement and its economical consequences. As for Basic Flow additions of Order Events forms the process to a general order process.

Recommended Solution

	Client	Provider	Comment
1	Sends MSG2000		Sent with a unique order id.
2		Receives MSG2000	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can't use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001		Stores the order id from the provider including the source used.
5		Sends MSG3000	Shall include the suggested vehicle
6	Sends MSG3002 as approval of the suggested vehicle		
7		Sends MSG3003	Shall be sent after a vehicle has accepted the order. Shall include information about the identity of the vehicle
8		Sends MSG4010 for node number 1	1709 vehicleatnode
9		Sends MSG4010 for node number 1	1701 passengerinvehicle
10		Sends MSG4010 for node number 2	1702 passengerdropof 8 to 10 shall be repeated for each set of nodes.
11		Sends MSG 6001 Order report	Shall be sent as soon as the receipt is printed out in the vehicle (order completed)
12		Sends 6500 delivery note	
13	Sends MSG6501 deliverynoteaccept		

Flow chart


Msg 2000, 2001 as Basic Flow
Find a vehicle to the order
Msg 3000 Provider - Client
Evalute vehicle
Msg 3002 Client - Provider
Send to vehicle and get accept
Msg 3003 Provider - Client
Client
Provider
Vehicle pick up passenger
Msg 4010 Provider - Client
Order finished
Msg 6001 Provider - Client
Delivey report
Msg 6500 Provider - Client
Evalute delivery report
Msg 6501Client - Provider

2.1.1.4 Extensive flow with traffic control

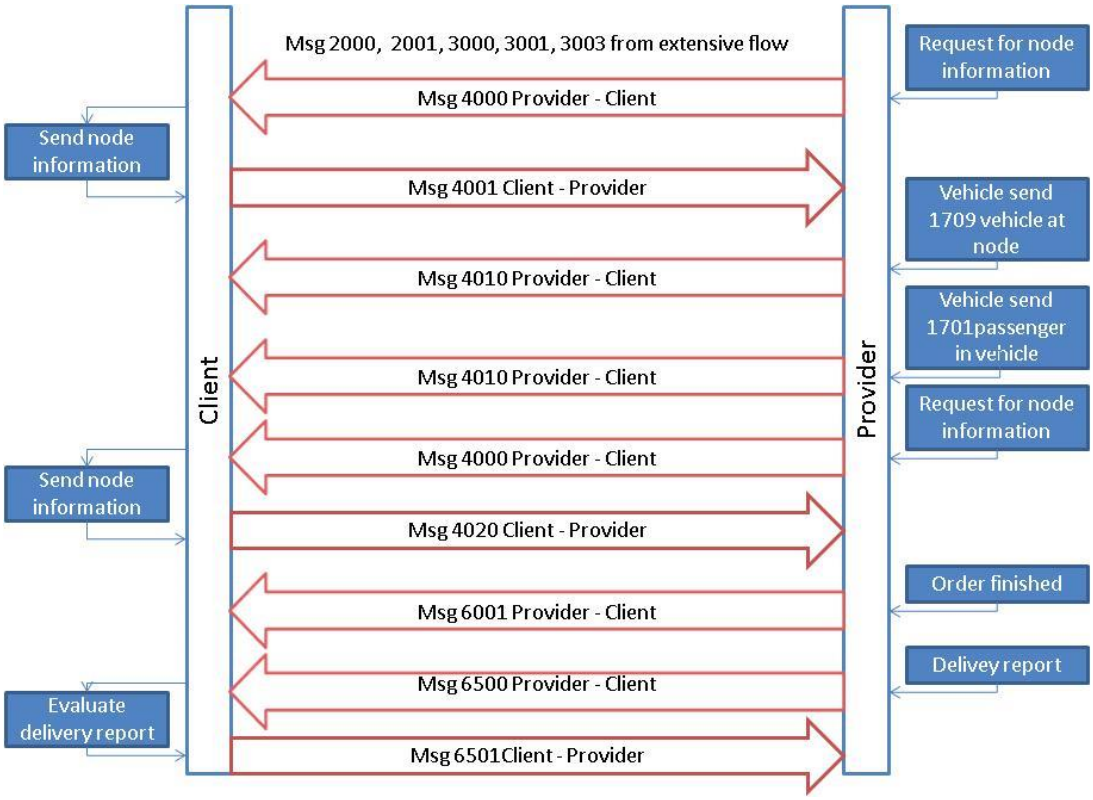
General

This flow can be used when the client has an agreement that the provider shall put resources available to the client. When the resource is available the client will add work to each vehicle by providing more nodes. The client will end the process by a separate message (4020). The method for starting the process can differ but generally the first node is always present in the initial order as is represented in this flow.
The client must always accept the suggested resources before starting the process to pick-up first node.
As for other flows above additions of Order Events forms the process to a general order process. Normally this is restricted to 2010 (Order cancellation request) prior to accept of resources (3002).

Recommended Solution

	Client	Provider	Comment
1	Sends MSG2000		Sent with a unique order id.
2		Receives MSG2000	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can't use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001		Stores the order id from the provider including the source used.
5		Sends MSG3000	Shall include the suggested vehicle
6	Sends MSG3002 as approval of the suggested vehicle		
7		Sends MSG3003	Shall be sent after a vehicle has accepted the order. Shall include information about the identity of the vehicle
8		Sends MSG4000	
9	Sends MSG4001		8 to 9 will be repeated for all nodes until the last node has been sent.
8		Sends MSG4010 for node number 1	1709 vehicleatnode
9		Sends MSG4010 for node number 1	1701 passengerinvehicle
8		Sends MSG4000	
9	Sends MSG4020		
10		Sends MSG4010 for node number 2	1702 passengerdropof 8 to 10 shall be repeated for each set of nodes.
11		Sends MSG 6001 Order report	Shall be sent as soon as the receipt is printed out in the vehicle (order completed)
12		Sends 6500 delivery note	
13	Sends MSG6501 deliverynoteaccept		

Flow chart


Msg 2000, 2001, 3000, 3001, 3003 from extensive flow
Msg 4000 Provider - Client
Msg 4001 Client - Provider
Msg 4010 Provider - Client
Msg 4010 Provider - Client
Msg 4000 Provider - Client
Msg 4020 Client - Provider
Msg 6001 Provider - Client
Msg 6500 Provider - Client
Msg 6501Client - Provider
Client
Provider
Send node information
Send node information
Evaluate delivery report
Request for node information
Vehicle send 1709 vehicle at node
Vehicle send 1701passenger in vehicle
Request for node information
Order finished
Delivey report

2.1.1.5 Multiple client order combined into a shared provider order

General

This describes a typical flow where the provider combines two orders from the client into a new combined order to be performed in a single resource. This flow can only be used if the client has set the allowRouting-flag in process to true and the orders are restricted to one combination of pick-up/drop-off for each content.

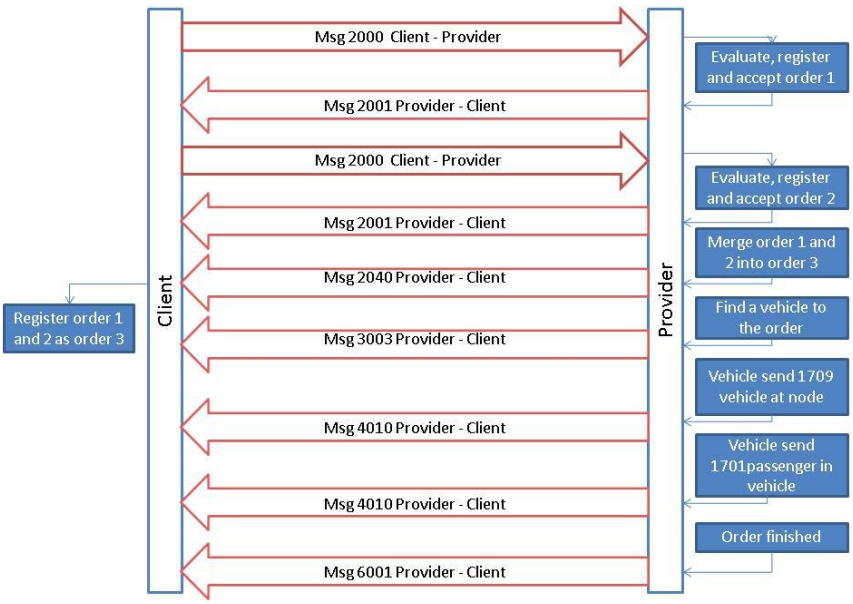
Recommended Solution

	Client	Provider	Comment
1	Sends MSG2000 for first order		Sent with a unique order id.
2		Receives MSG2000 for first order	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance for first order	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can't use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001 for first order		Stores the order id from the provider including the source used.
5	Sends MSG2000 for second order		Sent with a unique order id.
6		Receives MSG2000 for second order	Stores the order with a unique order id.
7		Immediately sends a MSG2001 as acceptance for second order	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo.
8	Receives MSG2001 for second order		Stores the order id from the provider including the source used.
9		Sends MSG2040	Shall include id of the linked orders together and the id of the combined order
10	Receives MSG2040		Stores the order information and after that be prepared to handle the new order information
11		Sends MSG3003	Shall be sent after a vehicle has accepted the order. Shall include information about the identity of the vehicle Shall refer to the combined order id and all of the suborder ids.
12		Sends MSG4010 for node number 1 suborder 1.	At least one message shall be sent for each node. Shall refer to the order id and the id of the suborder that includes

			the original node (suborder 1). This is normally node number 1 in the combined order.
13		Sends MSG4010 for node number 1 suborder 2.	At least one message shall be sent for each node. Shall refer to the order id and the id of the suborder that includes the original node (suborder 2). This is normally node number 2 in the combined order.
14		Sends MSG4010 for node number 2 suborder 1	At least one message shall be sent for each node. Shall refer to the order id and the id of the suborder that includes the original node (suborder 1). This is normally node number 3 in the combined order.
15		Sends MSG4010 for node number 2 suborder 2	At least one message shall be sent for each node. Shall refer to the order id and the id of the suborder that includes the original node (suborder 2). This is normally node number 4 in the combined order.
16		Sends MSG 6001 Order report	Shall be sent as soon as the receipt is printed out in the vehicle (order completed). Shall refer to the combined order id and all of the suborder ids

This way to handle multiple orders is restricted to orders with only 1 pickup and 1 dropoff node.

Flow chart



2.1.1.6 Resource allocation followed by traffic control

To be added. Dynamic traffic control for a hub area.

2.1.1.7 Resource order followed by traffic control

To be added. Dynamic traffic control for a hub area.

2.1.1.8 Order Trading

General

Order trading is in itself a fairly simple flow as described below. The dynamics of the flow is that it contains sending of order to multiple Providers that may offer vehicles according to specifications given in the order. Ultimately one of the orders will be accepted and all others cancelled.

Recommended solution

	Client	**Provider 1**	Provider 2	**Comment**
1	Sends MSG2000			Sent with a unique order id.
2		Receives MSG2000	Receives MSG2000	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance	Immediately sends a MSG2001 as acceptance	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can't use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001 Receives MSG2001			Stores the order id from the provider including the source used.
5		Sends MSG3000		Shall include the suggested vehicle
6	Sends MSG3002 as approval of the suggested vehicle			
7		Sends MSG3003		Shall be sent after a vehicle has accepted the order. Shall include information about the identity of the vehicle
8	Sends MSG 2010 Order Cancellation			
9			Receives MSG 2010	
10			Sends MSG 2010 Order Cancellation Accepted	
11				
12				
13				

When using the order trading, the start location tag can be used to give the Client a sophisticated opportunity to choose “the closest” vehicle. The vehicle start position can be setup as following example.

```
<vehiclestartLocation typeOfCoordinate="WGS-84" lat=”58.39193” long=”13.42448”  precision="10">
        <vehicleDistance range="1500">
                <startTime>
                        <time timeZone="1" time="2010-08-18T07:00:00"/>
                </startTime>
                <stopTime>
                        <time timeZone="1" time="2010-08-18T07:00:30"/>
                </stopTime>
        </vehicleDistance>
        <vehicleDistance range="5000">
                <startTime>
                        <time timeZone="1" time="2010-08-18T07:00:31"/>
                </startTime>
                <stopTime>
                        <time timeZone="1" time="2010-08-18T07:01:00"/>
                </stopTime>
        </vehicleDistance>
</vehiclestartLocation>
```

This allows the Provider that has a vehicle in a distance closer than 1500 meter radius to send a Msg 3000 between 07:00:00 and 07:00:30. If no vehicle is available no Msg 3000 can be sent. However between 07:00:31 and 07:01:00 Providers having a vehicle between 1500 and 5000 meter radius can send a Msg 3000.

2.1.1.9 Development of order

To be added.

2.1.1.10 PreeOrder with preeOrder flag “PROVIDER”

General

PreeOrder is a preebooked order submitted to the Provider and cannot have the timetype as soon as possible. The preebooked order can either be sent as a part of Msdg 2800 repetitive order or as a single order Msg 2000. In both cases the process flag preeorder must be used. In the flow bellow Msg 2000 will be used. For Msg 2800 see chapter 2.1.11.

In this case the provider has the control and is the part that signals that no more alterations will be accepted by sending Msg 2050 Order freeze to the Client.

Recommended solution

	Client	Provider	Comment
1	Sends MSG2000 with process preeOrder flag “PROVIDER” used		Sent with a unique order id.
2		Receives Msg 2000	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance for first order	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo. After this point the Provider has taken the ownership of the order and can’t use msg 2002 if he for some reason cant finished the order. Instead the Provider has to use msg 2005 Order reject request.
4	Receives MSG2001		Stores the order id from the provider including the source used.
5	The Client make an alteration by sending Msg 2070 with process flag preeOrder “PROVIDER” used.		Sent with the same orderId as the original order.
6		Receives Msg 2070	Replace old order with the new order.
7		Immediately sends a MSG2071 as acceptance for first order	Shall be sent without any delay.
8	Receives MSG2071 for altered order		Stores the order id from the provider including the source used.
9		Sends Msg 2050	At this point no more alterations are allowed. If need to alter an order arise after this point, the Client has to cancel the order and send a new order.
	Receives MSG 2050		

Flow chart

2.1.1.11 PreeOrder with preeOrder flag "CLIENTCONFIRM"

General

PreeOrder is a preebooked order submitted to the Provider and cannot have the timetype as soon as possible. The preebooked order can either be sent as a part of Msdg 2800 repetitive order or as a single order Msg 2000. In both cases the process flag preeorder must be used. In the flow bellow Msg 2000 will be used. For Msg 2800 see chapter 2.1.11.

In this case the Client has the control and shall either confirm the pree booking with a Msg 2000 or cancel the pree booking with Msg 2010. If the Client doesn't do this the order will be converted to an order by the Provider and sent on dispatch.

Recommended solution

	Client	Provider	Comment
1	Sends MSG2000 with process preeOrder flag "CLIENTCONFIRM" used		Sent with a unique order id.
2		Receives Msg 2000	Stores the order with a unique order id.
3		Immediately sends a MSG2001 as acceptance for first order	Shall be sent without any delay. Both order ids shall be sent in ReferecesTo.
4	Receives MSG2001		Stores the order id from the provider including the source used.
5	The Client make an alteration by sending Msg 2070.		Sent with the same orderId as the original order.
6		Receives Msg 2070	Replace old order with the new order.
7		Immediately sends a MSG2071 as acceptance for first order	Shall be sent without any delay.
8	Receives MSG2071 for altered order		Stores the order id from the provider including the source used.
	Sends Msg 2000 to confirm the pree booking		The Client send msg 2000 to confirm that the preebooking shall be converted to order. After this point the Client cant alter the order. . If need to alter an order arise after this point, the Client has to cancel the order and send a new order.
3		Immediately sends a MSG2001 as acceptance of the conversion of the pree booking into an order.	Shall be sent without any delay. Both order ids shall be sent in ReferencesTo.
9		Sends Msg 2050	At this point no more alterations are allowed. If need to alter an order arise after this point, the Client has to cancel the order and send a new order.
	Receives MSG 2050		

Flow chart

2.1.2 Additional processes

2.1.2.1 Order status

General

This process is simple. The client ask for the information the provider has of a specified order and the provider sends this information to the client. This process can be used for several reasons:

- the clients has not received appropriate messages in due time and need to secure its information status on an order
- the client has received a request from a traveller on a node and wants to secure its information status on an order
- the client has had a failure and wants to secure its information status on an order

Observe in process below the provider sends a 2531 with the requested order information. There is an alternative that the provider sends 2532 in case the order is not registered by the provider.

Recommended Solution

	Client	Provider	Comment
n	Sends MSG2530		Request for order status.
n+1		Receives MSG2530	Receive and generate a response to the request
n+2		Sends MSG2531	The message shall be sent without delay.
n+3	Receives MSG2531		

Flow chart

2.1.2.2 Alteration in dispatch with dispatch reject

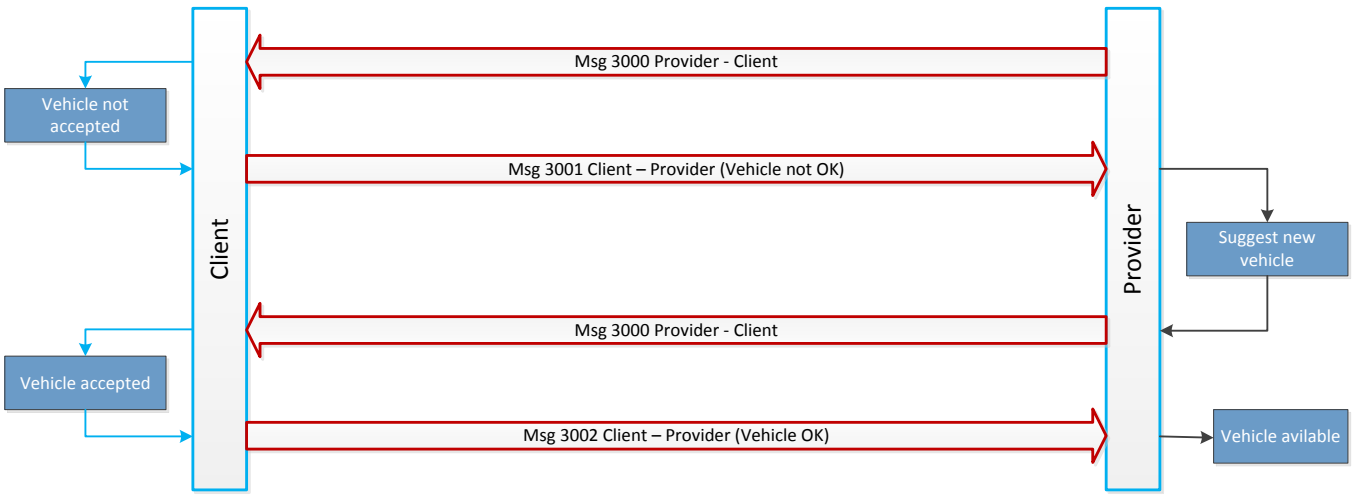
General

These described process alternatives comes into action when the client must accept a suggested resource and the first suggestion is not accepted by client.
The client must set the process flag dispatch="true" and dispatchResponsible="client" in its initial order to make this process possible.
As seen below the provider initiate by sending its proposed resources. The client must answer immediately with either msg 3002, as described in the flow-chapter, or with 3001 in case the suggested resource is not accepted. If the answer is 3001, the provider should send a new alternative suggestion with a new 3000.
This continues until the client answers with a 3002 or the provider has no more suggestions. In this case the provider should send 2005 Order reject request.

Recommended Solution

	Client	Provider	Comment
n		Sends MSG3000	Shall include id of the suggested vehicle.
n+1	Receives MSG3000		Receive and evaluate if the suggested vehicle is ok.
n+2	Sends MSG3001		The suggested vehicle is not ok
n+3		Receive MSG3001	Receive and start the procedure of finding a new vehicle
n+4		Sends MSG3000	Shall include id of the new suggested vehicle.
n+5	Receives MSG3000		Receive and evaluate if the suggested vehicle is ok.
n+6	Sends MSG3002		The suggested vehicle is ok
n+7		Receive MSG3002	Receive and send the order out to the suggested vehicle

Flow chart



2.1.2.3 Alteration in dispatch with new dispatch proposal

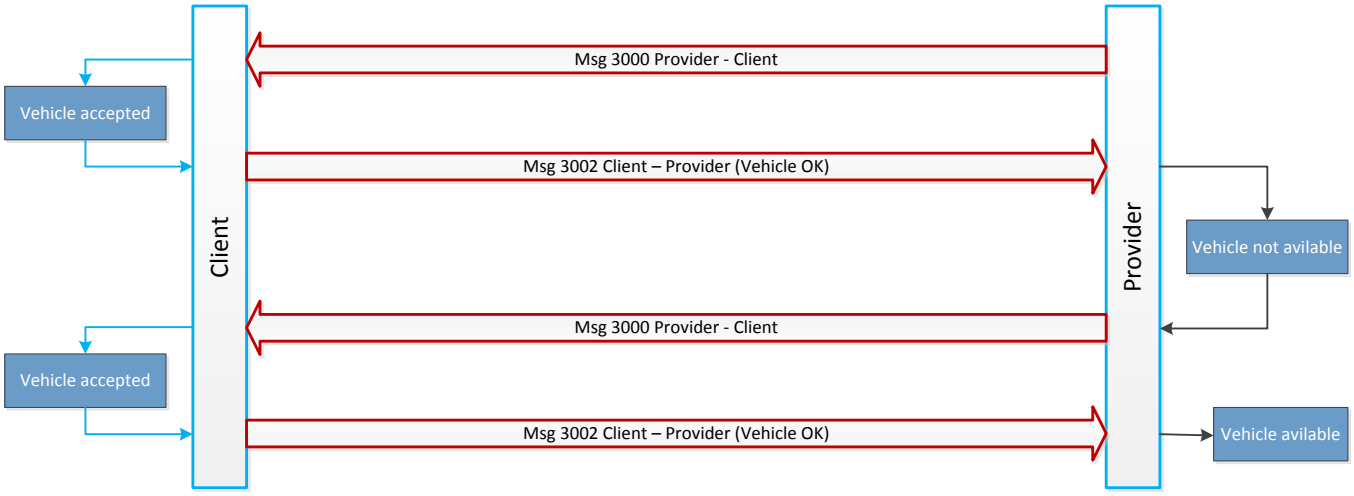
General

This process comes into action when the provider wants to change the resources of an order. It requires that there already exist a dispatch to a vehicle. This can either be accepted by client as in the preceding paragraph or just released to client in case the client does not have the option to accept dispatch (dispatchResponsible=”provider”). For this last case the process is simple. The provider sends a new 3000 and the client stores the new alternative. Last 3000 will be the final result.
In case the client must accept the dispatch proposal a new process of the same kind as in paragraph above will take place.

Recommended Solution

	Client	Provider	Comment
n		Sends MSG3000	Shall include id of the suggested vehicle.
n+1	Receives MSG3000		Receive and evaluate if the suggested vehicle is ok.
n+2	Sends MSG3002		The suggested vehicle is ok
n+3		Receive MSG3002	Receive and send the order out to the suggested vehicle
n+4			*Suggested vehicle not available.*
N+5		Sends MSG3000	Shall include id of the suggested vehicle.
n+6	Receives MSG3000		Receive and evaluate if the suggested vehicle is ok.
n+7	Sends MSG3002		The suggested vehicle is ok
n+8		Receive MSG3002	Receive and send the order out to the suggested vehicle
			Suggested vehicle available.

Flow chart



2.1.2.4 Resource allocation

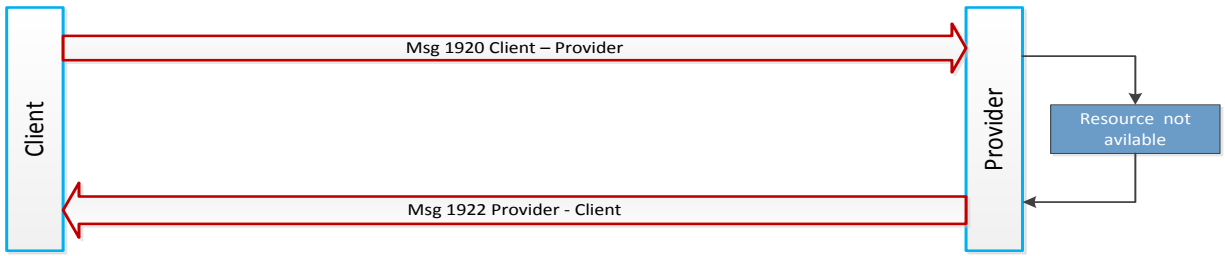
General

Resource allocation is used when the client wishes to either inquire if there is a resource available at a certain time in a certain place. Message 1920, 1921 and 1922 shall be used in this case.

2.1.2.4.1 The requested resource is not available

	Client	Provider	Comment
n	Sends MSG 1920		Shall contain the necessary data to the provider should be able to answer the question..
n+1		Receives MSG 1920	Receive and evaluate if the requested resource is available.
n+2		Sends MSG 1922	The requested resource is not available.
n+3	Receives MSG 1922		Receive the information that requested resource is not available.

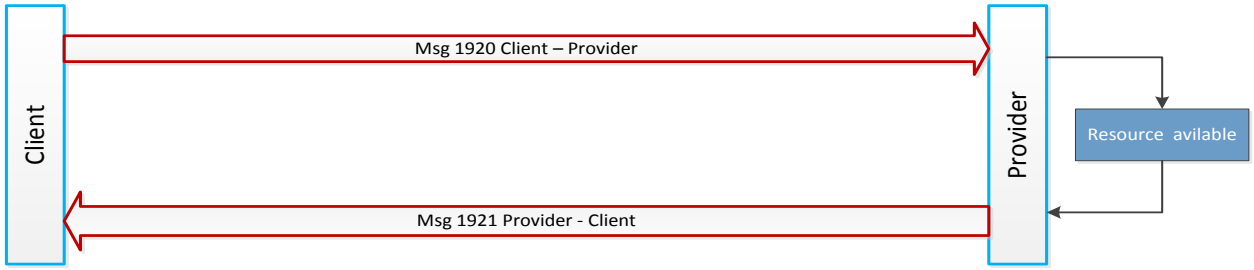
Flow chart



2.1.2.4.2 The requested resource is available

	Client	Provider	Comment
n	Sends MSG 1920		Shall contain the necessary data to the provider should be able to answer the question..
n+1		Receives MSG 1920	Receive and evaluate if the requested resource is available.
n+2		Sends MSG 1921	The requested resource is available.
n+3	Receives MSG 1921		Receive the information that requested resource is available.

Flow chart


Client
Msg 1920 Client – Provider
Provider
Resource avilable
Msg 1921 Provider - Client

2.1.3 Order events Client

2.1.3.1 Order/node cancellation

Order/node cancelation can only be sent by the Client.

In the case of node cancelation it's necessary to provide the node in referencesTo.

The different conditions that regulate the different answers shall be agreed upon in the agreement.

2.1.3.1.1 Order/node cancelation accept

In the simplest case a message 2010/2020 is sent from the Client to the Provider and the Provider accepts the cancelation with a message 2011/2021 without any delay. The message need to have the attribute cancelationAcceptance set to TRUE and cancelationConsequence set to FALSE.

In such a case the Client cannot send the same order with the same idOrder. Should the Client do so the Provider should without any delay answer with 2003 orderreject and the rejectreason shall be 2513 ordercancelled.

2.1.3.1.2 Order/node cancellation accepted with consequence

This alternative shall be used if the Provider has started using resources that can be base for a claim on the Client. The message need to have the attribute cancelationAcceptance set to TRUE and cancelationConsequence set to TRUE. The accepted reasons for an acceptance with consequences shall be agreed upon in the agreement.

The economical consequence shall be stated in economycancellation

2.1.3.1.3 Order/node cancellation reject

This alternative shall be used if the Provider can't cancel the order. Reason for this can be that the order has already begun or the order is already finished. The accepted reasons for a rejection shall be agreed upon in the agreement.

2.1.3.2 Order alteration

An accepted way to make an alteration of an already accepted order is as follows.

The Client sends a new updated order with the same idOrder as the old one. This order shall have a referencesTo that includes the Providers idOrder. If the execution of the order hasn't started the Provider just replaces the old order with the new one. If the execution has started and a msg 4010 pickup has been sent for a node it's impossible to alter this node. In this case only future alterations will be accepted. This way of doing an alteration give the possibility to do alterations after the execution of the order has started. If this way is used to handle an alteration need to be agreed upon by both Client and Provider in the agreement. If the new altered order should exceed some limit agreed upon in the agreement it's impossible to use msg 2002 order reject as the Provider has accepted the ownership of the order. Msg 2002 can only be used to reject the original order. After the acceptance of the order the Provider has the responsibility for the order and must use msg 2005 order reject request after the acceptance of the order. If this method is used the process flagg orderAlteration should be set to TRUE.

Another accepted way of doing an alteration is to send a msg 2010 order cancelation followed by a new order. This order must not include any reference to the Providers old idOrder. In this case it's not possible to make alterations after the execution of the order has started.

To be discussed: *The technical committee has a suggestion to handle the last case. If the Client want to alter an order after the execution has started it could be possible to use a new set of messages, node reject request that is built in the same way as order reject request. If the Client wants' to alter a node in a order that has been started the Client send a msg 2020 node cancelation and after the acceptance from the provider the Client sends a msg 4001 that includes the new node information.*

The technical committee also suggests that addition of nodes to an existing order by sending a msg 4001 with new node information without the Providers system sending a msg 4000 to request such information.

2.1.3.3 Late order

A late order is an order that is sent from Client to provider after it actually should have been performed or the scheduled time is “impossible” to reach. .It’s necessary that this is regulated in the agreement.

In the SUTI standard the times on a node has the following timetypes. In the text below we use pickup but it’s appropriate for other eventtypes.

2105	scheduled	This is the scheduled time for the vehicle to be at the pickup address. This normally the same time as the time that the Traveler and Client have agreed upon to be the pickup time. Thus this is the latest time that the traveler expects the vehicle to be on the pickup address.
2106	promised	In case where is a difference between the scheduled time and the time given to the Traveler the Client has the option to submit this agreed time by using 2106 promised. Both 2106 promised and 2105 scheduled must be included in the message in this case.
2108	asap	This is used for an immediate order where the Client and the Traveler has agreed that the vehicle shall be at the pickup address as soon as possible after the set time. Thus the set time could either be the booking time or a “best guess” from the Client and it is normally the earliest time that the vehicle shall be on the pickup address.
2107	estimated	This is a value that can be used from either client or Provider depending of the situation. The value means that has been an estimation of a new time for pickup. This is a “best guess” and not related to promise to the Traveler and/or agreement..
2104	actual	It’s the actual time of the event. This must be submitted by the Provider.
	Timetype not specified	In this case the default value is the same as 2104 actual e.g. in the message block.

There are two ways to handle a late order. The way to handle these two ways shall be specified and agreed upon in the agreement.

2.1.3.3.1 The hard way orderReject (Client is responsible for the order)

The Provider shall use IdRejectreason 2505 to late. The Client has the option to send the order back with the same idOrder with appropriate alterations. An appropriate alteration should be to change the value of timetype from scheduledtime to asaptime or send a new scheduledtime within an acceptable timeframe.

2.1.3.3.2 The softer way pickup confirmation (Provider is responsible for the order)

The provider sends a message 4010 pickup confirmation. The message shall contain at least a asap timetype with the value of time set to the earlier given scheduled time. And in the best of worlds the message should also contain an estimated time.

2.1.4 Order events Provider

2.1.4.1 Order reject

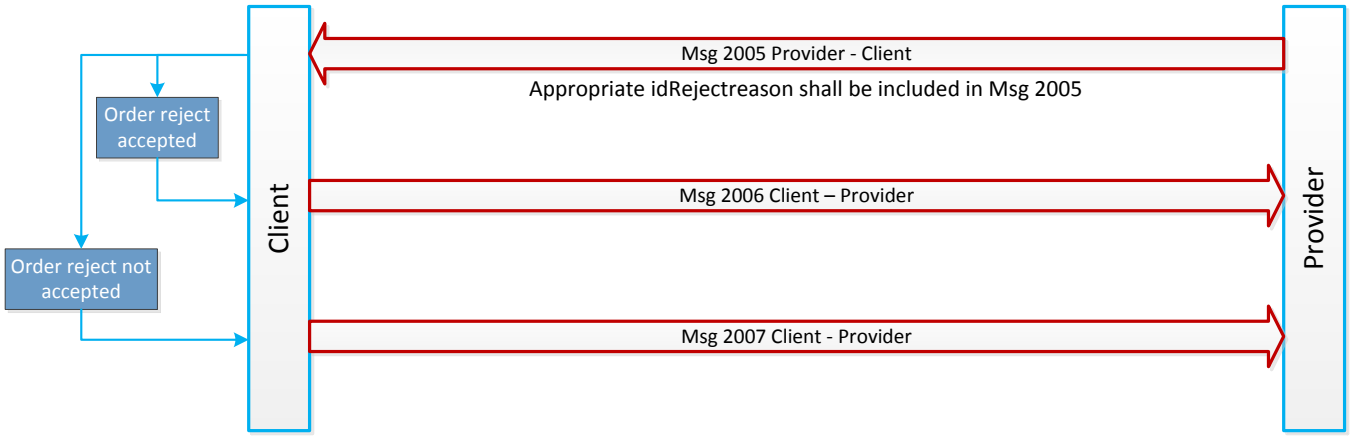
An order reject shall be sent without any delay and the reasons for an order reject shall be agreed upon in the agreement and no order accept shall be sent. If the reasons for reject aren't specified in the agreement every order reject shall include a reject reason.

2.1.4.2 Order reject request

Order reject request can only be sent after that the Provider has accepted the order is within the agreement.

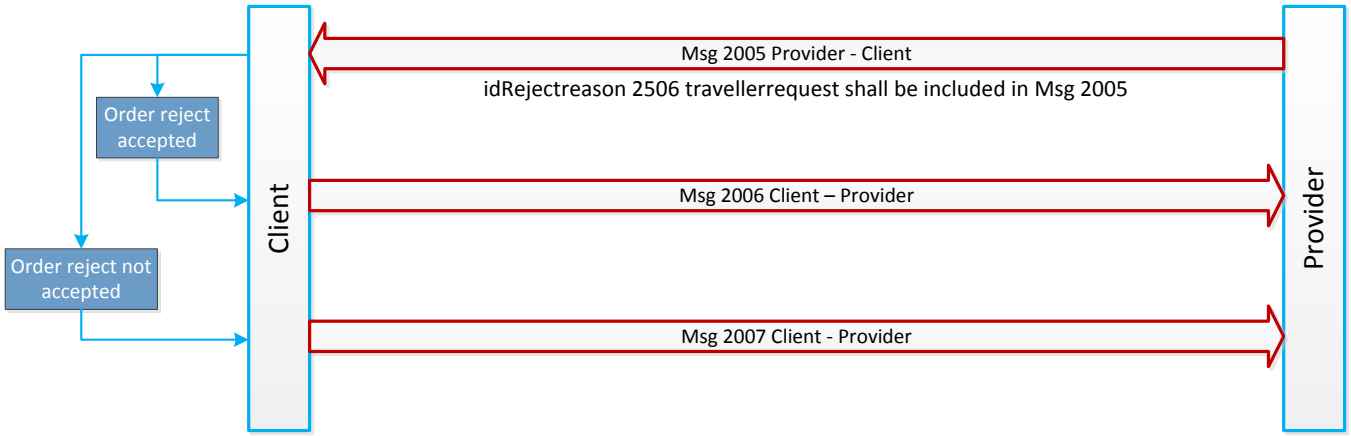
Sending the order reject request is done then the provider wishes that should not to any part be handled by the provider. The reason for this can be lack of capacity. If this is the case the message should contain idrejectreason 2504 nocapacity. The Client should without no delay answer with any of the messages 2006 order reject request accepted or 2007 order reject request rejected depending on the agreement situation.

Flow chart



There is a special case of order reject that may occur depending on agreement situation. This is handling of a request from the Traveler to cancel the order made directly to provider. This situation can occur when the provider has the authority to handle such requests. The procedure is the same as above but the idrejectreason should be 2506 travellerrequest. The provider must in both cases wait for the answer from the Client before setting the order status to cancel.

Flow chart

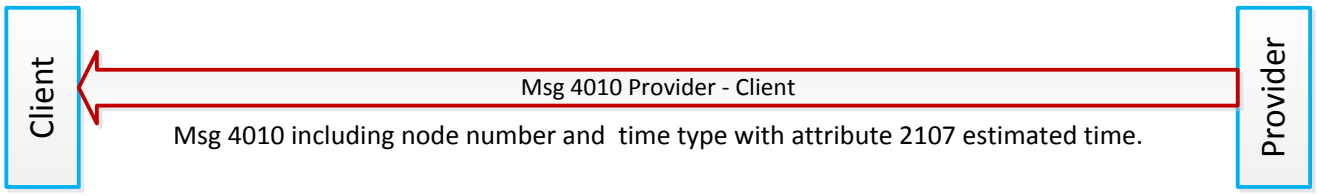


2.1.4.3 Node events

2.1.4.3.1 Pickup confirmation using estimated time

	Client	Provider	Comment
n		Sends MSG4010	Shall include the node number and a timetype containing attribute 2107 estimatedtime.

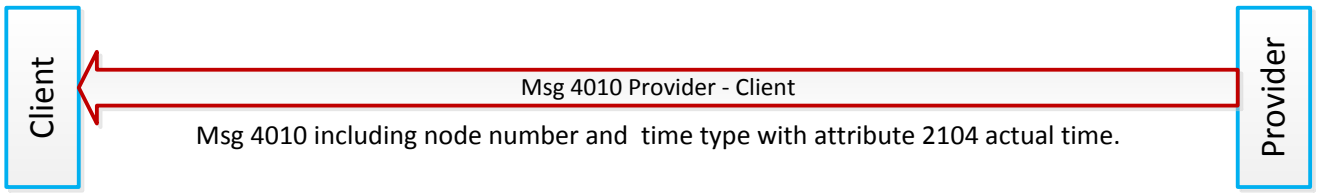
Flow chart



2.1.4.3.2 Pickup confirmation using vehicleataddress

	Client	Provider	Comment
n		Sends MSG4010	Shall include the node number and a timetype containing attribute 2104 actualtime.

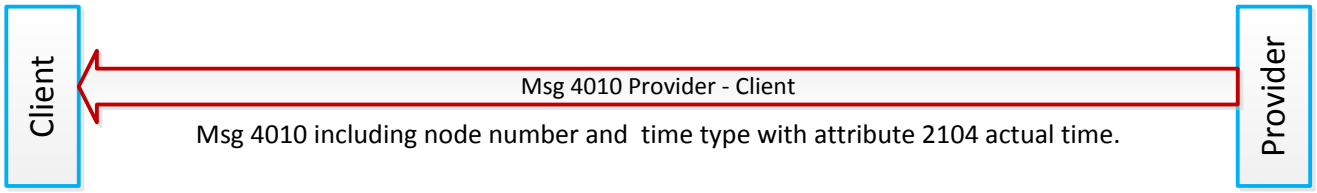
Flow chart



2.1.4.3.3 Pickup confirmation using passengerinvehicle

	Client	Provider	Comment
n		Sends MSG4010	Shall include the node number and a timetype containing attribute 2104 actualtime.

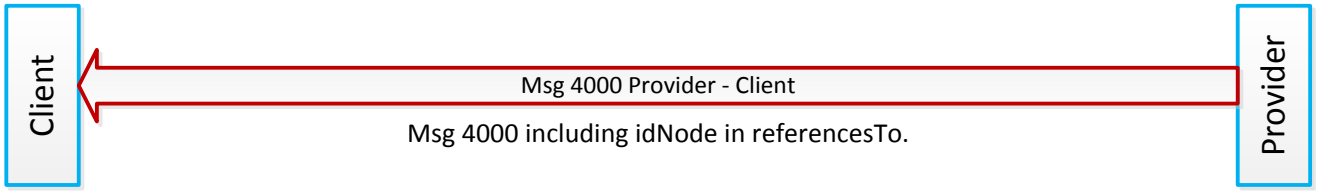
Flow chart



2.1.4.4 Request for additional or corrected node information

If the information in a node in an order or a node in requested traffic information is incomplete it is possible to send a msg 4000 to request for additional or corrected information for instance the need of information about accurate positions or correct addresses. To request more information send a 4000 with idNode in referencesTo set to the node in question.

Flow chart



2.2 Repetetive Orders

2.2.1 SUTI message OrderTemplate 2800

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="2800" msgName="orderTemplate">
    <idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <orderTemplate>
      <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
      <orderTemplateCalendar>
        <validPeriod validFrom="2012-01-01T00:00:00" validTo="2015-12-31T23:59:59"/>
      </orderTemplateCalendar>
      <orderTemplateAgreement>
        <idAgreement src="HDSKOL_0001:FGrupp" id="empty" unique="true" />
        <product>
          <idProduct src="HDSKOL_0001:GruppKundId" id="HD-SKOL" unique="true" />
        </product>
      </orderTemplateAgreement>
      <scheduleElements>
        <scheduleElement scheduleElementSequenceNbr="1" scheduleElementFunction="Update"
scheduleElementResponse="J">
      <scheduleElementDate date="2013-12-09"/>
      <scheduleElementReferencesTo>
        <idOrder src="PLANET_0001:BestNr" id="486" unique="false"/>
        <idOrder src="HDSKOL_0001:HD_OrderNr" id="0" unique="true"/>
      </scheduleElementReferencesTo>
          <scheduleElementRoute>
       <!-- nodeType="1803" => "pickup" -->
       <node nodeSeqno="1" nodeType="1803">
         <addressNode addressName="Gruvgatan 1">
           <idZone src="HDSKOL_0001:Omr" id="11601" unique="true"/>
         </addressNode>
         <timesNode>
           <!-- timeType="2101" => "scheduledtime" -->
           <!-- timeType="2102" => "estimatedtime" -->
               <!-- timeType="2103" => "promisedtime" -->
           <time timeZone="1" time="2013-12-09T08:00:00" timeType="2101"/>
         </timesNode>
         <contents>
           <!-- contentType="1001" => traveller -->
           <content contentType="1001" name="empty">
             <resourceContent>
               <vehicle>
            <idVehicle src="HDSKOL_0001:TrTill" id="0000_00" unique="true"/>
            <capacity>
              <seats noOfSeats="3"/>
            </capacity>
          </vehicle>
             </resourceContent>
           </content>
         </contents>
       </node>
       <!-- nodeType="1804" => "destination" -->
       <node nodeSeqno="2" nodeType="1804">
         <addressNode addressName="*VÄSTRA HAGASKOLAN ">
           <idZone src="HDSKOL_0001:Omr" id="21501" unique="true" />
```

```
        </addressNode>
        <timesNode>
          <time timeZone="1" time="2013-12-09T08:30:00" timeType="2101"/>
        </timesNode>
            <contents>
          <!-- contentType="1001" => traveller -->
          <content contentType="1001" name="empty">
            <resourceContent>
              <vehicle>
           <idVehicle src="HDSKOL_0001:TrTill" id="0000_00" unique="true"/>
           <capacity>
             <seats noOfSeats="3"/>
           </capacity>
          </vehicle>
            </resourceContent>
          </content>
        </contents>
      </node>
        </scheduleElementRoute>
       </scheduleElement>
     </scheduleElements>
   </orderTemplate>
  </msg>
</SUTI>
```

SUTI Message 2800	Kommentar
<orgSender name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="HDSKOL_0001:FGrupp"
<orgReceiver name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="PLANET_0001:BestNr" id="486"
msgType="2800"	SUTI nod <msg/>
msgName="orderTemplate"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
orderTemplateName="A1"	SUTI nod <idOrderTemplate/> Namn på turen
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/> Unikt id för turen
src="HDSKOL_0001:GruppKundId" id="HD-SKOL"	SUTI nod <idProduct/> GruppKundId = Grupptillstånd, fakturamottagare
scheduleElementResponse="J"	SUTI nod <scheduleElement/>
validFrom="2012-01-01T00:00:00"	SUTI nod <validPeriod/>, anges med tid
validTo="2015-12-31T23:59:59"	SUTI nod <validPeriod/>, anges med tid
src="HDSKOL_0001:FGrupp" id=""	SUTI nod <idAgreement/>
src="HDSKOL_0001:TrTill" id="0000_00"	SUTI nod <idVehicle/>
scheduleElementSequenceNbr="1"	SUTI nod <scheduleElement/>
scheduleElementFunction="Update"	SUTI nod <scheduleElement/>, U anges som "Update", B anges som "Delete" och I anges som "Insert"
date="2013-12-09"	SUTI nod <scheduleElementDate/>

SUTI Message 2800	Kommentar
	För fasta dagar anges inte datum utan noden <scheduleElementWeekday/> används där den angivna dagen har värdet = *"true"* För icke fasta dager används noden <scheduleElementDate/> och datumet anges som date=*"2013-12-09"*
src=*"PLANET_0001:BestNr"* id=*"486"*	SUTI nod <idOrder/>
src=*"HDSKOL_0001:HD_OrderNr"* id=*"0"*	SUTI nod <idOrder/>
noOfSeats=*"3"*	SUTI nod <seats/>
addressName=*"Gruvgatan 1"*	SUTI nod <addressNode/>
src=*"HDSKOL_0001:Omr"* id=*"11601"*	SUTI nod <idZone/>
time=*"2013-12-09T08:00:00"*	SUTI nod <time/> det kan finnas flera <time/> noder under noden <timesNode/> med olika timeType attribut.
addressName=*"*VÄSTRA HAGASKOLAN "*	SUTI nod <addressNode/>
src=*"HDSKOL_0001:Omr"* id=*"21501"*	SUTI nod <idZone/>
time=*"2013-12-09T08:30:00"*	SUTI nod <time/> det kan finnas flera <time/> noder under noden <timesNode/> med olika timeType attribut.

2.2.2 SUTI message OrderTemplateConfirmation 2801

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
 <orgSender name="PLANET">
  <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
 </orgSender>
 <orgReceiver name="HDSKOL">
  <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
 </orgReceiver>
 <msg msgType="2801" msgName="orderTemplateconfirmation">
  <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  <orderTemplate>
   <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
   <orderTemplateCalendar/>
   <scheduleElements>
    <scheduleElement scheduleElementSequenceNbr="1" scheduleElementFunction="Insert">
     <scheduleElementDate date="2013-04-30"/>
   <scheduleElementReferencesTo>
    <idOrder src="PLANET_0001:BestNr" id="0" unique="false"/>
      <idRejectReason src="PLANET_0001:Txt" id="Kan ej inplaneras" unique="false"/>
   </scheduleElementReferencesTo>
    </scheduleElement>
    <scheduleElement scheduleElementSequenceNbr="2" scheduleElementFunction="Insert">
     <scheduleElementDate date="2013-05-02"/>
   <scheduleElementReferencesTo>
    <idOrder src="PLANET_0001:BestNr" id="12189" unique="false"/>
   </scheduleElementReferencesTo>
    </scheduleElement>
    <scheduleElement scheduleElementSequenceNbr="3" scheduleElementFunction="Insert">
     <scheduleElementDate date="2013-05-03"/>
   <scheduleElementReferencesTo>
    <idOrder src="PLANET_0001:BestNr" id="25105" unique="false"/>
   </scheduleElementReferencesTo>
    </scheduleElement>
   </scheduleElements>
  </orderTemplate>
 </msg>
</SUTI>
```

SUTI Message 2801	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:BestNr"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="2801"	SUTI nod <msg/>
msgName="orderTemplateconfirmation"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
orderTemplateName="A1"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
scheduleElementSequenceNbr="1"	SUTI nod <scheduleElement/>

scheduleElementFunction="*Insert*"	SUTI nod <scheduleElement/>, U anges som *"Update"*, B anges som *"Delete"* och I anges som *"Insert"*
Date="*2013-04-30*"	SUTI nod <scheduleElementDate/> För fasta dagar anges inte datum utan noden <scheduleElementWeekday/> används där den angivna dagen har värdet = *"true"* För icke fasta dager används noden <scheduleElementDate/> och datumet anges som date="*2013-12-09*"
src="*PLANET_0001:Txt*" id="*Kan ej inplaneras*"	SUTI nod <idRejectReason/>
src="*PLANET_0001:BestNr*" id="*0*"	SUTI nod <idOrder/>

2.2.3 SUTI message ScheduleElementConfirmation 2810

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="2810" msgName="scheduleElementConfirmation">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <scheduleElementOrderList>
      <scheduleElementOrder>
        <scheduleElementOrderReferencesTo>
     <idOrder src="PLANET_0001:BestNr" id="486" unique="false"/>
     <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true"/>
        </scheduleElementOrderReferencesTo>
        <scheduledElementOrderDate date="2013-12-09"/>
      </scheduleElementOrder>
      <scheduleElementOrder>
        <scheduleElementOrderReferencesTo>
     <idOrder src="PLANET_0001:BestNr" id="487" unique="false"/>
     <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true"/>
        </scheduleElementOrderReferencesTo>
        <scheduledElementOrderDate date="2013-12-10"/>
      </scheduleElementOrder>
    </scheduleElementOrderList>
  </msg>
</SUTI>
```

SUTI Message 2810	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:BestNr"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="2810"	SUTI nod <msg/>
msgName="scheduleElementConfirmation"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
src="PLANET_0001:BestNr" id="486"	SUTI nod <idOrder/>
date="2013-12-09"	SUTI nod <scheduledElementOrderDate/>

2.2.4 SUTI message ConfirmationOfRecievedMessage 7099

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="7099" msgName="ConfirmationOfReceivedMessage">
    <idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
      <referencesTo>
        <idOrder src="PLANET_0001:BestNr" id="486" unique="false"/>
        <!-- idRejectReason skickas vid eventulla fel -->
        <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/>
      </referencesTo>
   </msg>
</SUTI>
```

SUTI Message 7099	Kommentar
<orgSender name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="HDSKOL_0001:MsgId"
<orgReceiver name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="PLANET_0001:BestNr"
msgType="7099"	SUTI nod <msg/>
msgName="ConfirmationOfReceivedMessage"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="PLANET_0001:BestNr" id="486"	SUTI nod <idOrder/> skickar tillbaka det Bestnr som vi fick i msg 2810.
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> *Om svaret är OK skickas inte noden* <idRejectReason/>
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> *Om svaret är OK skickas inte noden* <idRejectReason/>

2.2.5 SUTI message ScheduleElementConfirmation 2810

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="2810" msgName="scheduleElementConfirmation">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <scheduleElementOrderList>
      <scheduleElementOrder orderListClosed="true">
        <scheduledElementOrderDate date="2013-12-09"/>
      </scheduleElementOrder>
    </scheduleElementOrderList>
  </msg>
</SUTI>
```

SUTI Message 2810	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges.
msgType="2810"	SUTI nod <msg/>
msgName="scheduleElementConfirmation"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
orderListClosed="true"	SUTI nod <scheduleElementOrder/>
date="2013-12-09"	SUTI nod <scheduledElementOrderDate/>

2.2.6 SUTI message ReStart 7021

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="7021" msgName="ReStart">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  </msg>
</SUTI>
```

SUTI Message 7021	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges.
msgType="7021"	SUTI nod <msg/>
msgName="ReStart"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken

2.2.7 SUTI message RequestForTrafficInformation 4000

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="4000" msgName="RequestForTrafficInformation">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <referencesTo>
      <idOrder src="HDSKOL_0001:HD_OrderNr" id="1254505" unique="true"/>
      <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true"/>
    </referencesTo>
    <manualDescriptionMsg sendtoInvoice="false" sendtoVehicle="false" sendtoOperator="false"
manualText="AltLayout=N"  vehicleConfirmation="false"/>
  </msg>
</SUTI>
```

SUTI Message 4000	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="4000"	SUTI nod <msg/>
msgName="RequestForTrafficInformation"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="HDSKOL_0001:HD_OrderNr" id="1254505"	SUTI nod <idOrder/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
sendtoVehicle="true" sendtoOperator="false"	SUTI nod <manualDescriptionMsg/>
sendtoVehicle="false" sendtoOperator="true"	SUTI nod <manualDescriptionMsg/>
manualText="AltLayout=N"	SUTI nod <manualDescriptionMsg/>
Saknas	Behövs inte då vi alltid skall svara

2.2.8 SUTI message RequestedTrafficInformation 4001

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="4001" msgName="RequestedTrafficInformation">
    <idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <referencesTo>
      <!-- Reference to the message that this message answers. -->
      <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    </referencesTo>
    <orderTemplate>
      <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
      <orderTemplateCalendar/>
      <scheduleElements>
        <scheduleElement scheduleElementSequenceNbr="1">
          <scheduleElementReferencesTo>
            <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
     </scheduleElementReferencesTo>
     <scheduleElementRoute>
       <!-- nodeType="1803" => "pickup" -->
       <node nodeSeqno="1" nodeType="1803">
         <addressNode addressName="Frångatan 1" postalNo="12345">
           <manualDescriptionAddress sendtoInvoice="false" sendtoVehicle="true" sendtoOperator="true"
manualText="#H:08:00#Frångatan 1#PN: 12345#Adr.Anm" vehicleConfirmation="true"/>
          <attributeAddress>
            <attribute>
          <idAttribute src="HDSKOL_0001:AdrAnm" id="Adr.Anm" unique="false"/>
                </attribute>
          </attributeAddress>
        </addressNode>
        <timesNode>
          <!-- timeType="2101" => scheduledtime -->
          <time timeZone="1" time="2013-12-09T08:00:00" timeType="2101"/>
        </timesNode>
        <contents>
          <!-- contentType="1001" => traveller -->
          <content contentType="1001" name="Elev 1">
            <attributeContent>
              <attribute>
                    <idAttribute src="HDSKOL_0001:ElevAnm" id="Elev Anm." unique="true"/>
                  </attribute>
                  <attribute>
                <idAttribute src="HDSKOL_0001:FAnm" id="Elev Adr. Anm." unique="false"/>
                  </attribute>
                </attributeContent>
            <!-- sendtoVehicle and sendtooperator values according to the 4000 -->
            <manualDescriptionContent sendtoVehicle="true" sendtoOperator="false" sendtoInvoice="false"
vehicleConfirmation="true" manualText="#ELEV 1#Elev Adr. Anm.#Elev Anm."/>
          </content>
        </contents>
      </node>
          <!-- nodeType="1803" => "pickup" -->
          <node nodeSeqno="2" nodeType="1803">
        <addressNode addressName="ABC gatan 1" postalNo="41476">
             <manualDescriptionAddress sendtoInvoice="false" sendtoVehicle="true" sendtoOperator="true"
manualText="#H:08:15#ABC gatan 1#PN: 41476#Adr.Anm" vehicleConfirmation="true"/>
          <attributeAddress>
```

```
            <attribute>
          <idAttribute src="HDSKOL_0001:AdrAnm" id="Adr.Anm" unique="false"/>
                </attribute>
           </attributeAddress>
         </addressNode>
         <timesNode>
           <!-- timeType="2101" => scheduledtime -->
           <time timeZone="1" time="2013-12-09T08:15:00" timeType="2101"/>
         </timesNode>
         <contents>
           <!-- contentType="1001" => traveller -->
           <content contentType="1001" name="Elev 2">
             <attributeContent>
          <attribute>
                    <idAttribute src="HDSKOL_0001:ElevAnm" id="Elev Anm." unique="true"/>
                  </attribute>
                  <attribute>
            <idAttribute src="HDSKOL_0001:FAnm" id="Elev Adr. Anm." unique="false"/>
                  </attribute>
                </attributeContent>
            <!-- sendtoVehicle and sendtooperator values according to the 4000 -->
            <manualDescriptionContent sendtoVehicle="true" sendtoOperator="false" sendtoInvoice="false"
vehicleConfirmation="true" manualText="#ELEV 2#Elev Adr. Anm.#Elev Anm."/>
           </content>
         </contents>
       </node>
       <!-- nodeType="1804" => "destination" -->
           <node nodeSeqno="2" nodeType="1804">
         <addressNode addressName="SKOLGATAN 1" postalNo="43651">
           <manualDescriptionAddress sendtoInvoice="false" sendtoVehicle="true" sendtoOperator="true"
manualText="#L:08:30#SKOLGATAN 1#PN: 43651#Adr.Anm" vehicleConfirmation="true"/>
           <attributeAddress>
             <attribute>
          <idAttribute src="HDSKOL_0001:AdrAnm" id="Adr.Anm" unique="true"/>
                </attribute>
           </attributeAddress>
         </addressNode>
         <timesNode>
           <!-- timeType="2101" => scheduledtime -->
           <time timeZone="1" time="2013-12-09T08:30:00" timeType="2101"/>
         </timesNode>
         <contents>
           <!-- contentType="1001" => traveller -->
           <content contentType="1001" name="Elev 1">
             <attributeContent>
          <attribute>
                    <idAttribute src="HDSKOL_0001:ElevAnm" id="Elev Anm." unique="true"/>
                  </attribute>
          <attribute>
            <idAttribute src="HDSKOL_0001:TAnm" id="Elev Adr. Anm." unique="false"/>
                  </attribute>
                </attributeContent>
            <!-- sendtoVehicle and sendtooperator values according to the 4000 -->
            <manualDescriptionContent sendtoVehicle="true" sendtoOperator="false" sendtoInvoice="false"
vehicleConfirmation="true" manualText="#ELEV 1#Elev Adr. Anm.#Elev Anm."/>
           </content>
              <content contentType="1001" name="Elev 2">
             <attributeContent>
          <attribute>
                    <idAttribute src="HDSKOL_0001:ElevAnm" id="Elev Anm." unique="true"/>
                  </attribute>
          <attribute>
            <idAttribute src="HDSKOL_0001:TAnm" id="Elev Adr. Anm." unique="false"/>
```

```
                </attribute>
              </attributeContent>
            <!-- sendtoVehicle and sendtooperator values according to the 4000 -->
            <manualDescriptionContent sendtoVehicle="true" sendtoOperator="false" sendtoInvoice="false"
vehicleConfirmation="true" manualText="#ELEV 2#Elev Adr. Anm.#Elev Anm."/>
          </content>
        </contents>
      </node>
    </scheduleElementRoute>
      </scheduleElement>
    </scheduleElements>
  </orderTemplate>
 </msg>
</SUTI>
```

SUTI Message 4001	Kommentar
<orgSender name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="HDSKOL_0001:MsgId"
<orgReceiver name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="PLANET_0001:MsgId"
msgType="4001"	SUTI nod <msg/>
msgName="RequestedTrafficInformation"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
orderTemplateName="A1"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>

Kommentar:

Notera för att ta fram hela körordertexten för ordern skall följande atttibut värden adderas.

```
<node nodeSeqno="1"
  <manualDescriptionAddress manualText="#H:08:00#Frångatan 1#PN: 12345#Adr.Anm" />
  <manualDescriptionContent manualText="#ELEV 1#Elev Adr. Anm.#Elev Anm." />
</node>

<node nodeSeqno="2"
  <manualDescriptionAddress manualText="#H:08:15#ABC gatan 1#PN: 41476#Adr.Anm" />
  <manualDescriptionContent manualText="#ELEV 2#Elev Adr. Anm.#Elev Anm." />
</node>

<node nodeSeqno="2"
  <manualDescriptionAddress manualText="#L:08:30#SKOLGATAN 1#PN: 43651#Adr.Anm" />
  <manualDescriptionContent manualText="#ELEV 1#Elev Adr. Anm.#Elev Anm." />
  <manualDescriptionContent manualText="#ELEV 2#Elev Adr. Anm.#Elev Anm." />
</node>
```

2.2.9 SUTI message Pickup Confirmation 4010

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="4010" msgName="PickupConfirmation">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <referencesTo>
      <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
      <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true"/>
    </referencesTo>
    <manualDescriptionMsg sendtoInvoice="false" sendtoVehicle="false" sendtoOperator="false"
manualText="AltLayout=N"  vehicleConfirmation="false"/>
  </msg>
</SUTI>
```

SUTI Message 4010	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="4010"	SUTI nod <msg/>
msgName="PickupConfirmation"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
sendtoVehicle="true" sendtoOperator="false"	SUTI nod <manualDescriptionMsg/>
sendtoVehicle="false" sendtoOperator="true"	SUTI nod <manualDescriptionMsg/>
manualText="AltLayout=N"	SUTI nod <manualDescriptionMsg/>
Saknas	Behövs inte då vi alltid skall svara

2.2.10 SUTI message Order reject request 2005

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
 <orgSender name="PLANET">
  <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
 </orgSender>
 <orgReceiver name="HDSKOL">
  <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
 </orgReceiver>
 <msg msgType="2005" msgName="OrderRejectRequest">
  <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  <orderTemplate>
   <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true"/>
   <orderTemplateCalendar/>
   <scheduleElements>
    <scheduleElement scheduleElementSequenceNbr="1">
   <scheduleElementDate date="2013-08-20"/>
   <scheduleElementReferencesTo>
    <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
    <idOrder src="PLANET_0001:BestNr" id="486" unique="false"/>
    <idDriver src="PLANET_0001:OperId" id="BAL" unique="true"/>
   </scheduleElementReferencesTo>
    </scheduleElement>
   </scheduleElements>
  </orderTemplate>
 </msg>
</SUTI>
```

SUTI Message 2005	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:BestNr"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="2005"	SUTI nod <msg/>
msgName="OrderRejectRequest"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
src="PLANET_0001:BestNr" id="486"	SUTI nod <idOrder/>
date="2013-12-09"	SUTI nod <scheduledElementOrderDate/>
src="PLANET_0001:OperId" id="BAL"	SUTI nod <idDriver/>

2.2.11 SUTI message Orderstatus 2531

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
 <orgSender name="PLANET">
  <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
 </orgSender>
 <orgReceiver name="HDSKOL">
  <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
 </orgReceiver>
 <msg msgType="2531" msgName="orderStatus">
  <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  <orderTemplate>
   <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
   <orderTemplateCalendar/>
   <orderTemplateAgreement>
    <idAgreement src="HDSKOL_0001:GruppKundId" id="HD-SKOL" unique="true"/>
   </orderTemplateAgreement>
   <scheduleElements>
    <scheduleElement scheduleElementSequenceNbr="1">
   <scheduleElementDate date="2013-08-20"/>
   <scheduleElementReferencesTo>
    <idOrder src="PLANET_0001:BestNr" id="486" unique="false"/>
   </scheduleElementReferencesTo>
    </scheduleElement>
   </scheduleElements>
  </orderTemplate>
 </msg>
</SUTI>
```

SUTI Message 2531	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. ex. src="HDSKOL_0001:GruppKundId"
msgType="2531"	SUTI nod <msg/>
msgName="orderStatus"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="PLANET_0001:BestNr" id="90181"	
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
orderTemplateName="A1"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:GruppKundId" id="HD-SKOL"	SUTI nod <idAgreement/> GruppKundId = Grupptillstånd, fakturamottagare
date="2013-08-20"	SUTI nod <scheduleElementDate/> För fasta dagar anges inte datum utan noden <scheduleElementWeekday/> används där den angivna dagen har värdet = "true" För icke fasta dager används noden <scheduleElementDate/> och datumet anges som date="2013-08-20"

Kommentar:

HD-skol svar på msg 2531 är msg 2800 med scheduleElementFunction=*"Update"* eller *scheduleElementFunction*=*"Delete"* beroende på om ordern finns i HD-skol.

2.2.12 SUTI message RequestForOrderInformation 6810

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="6810" msgName="requestForOrderInformation">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <scheduleElementOrderList>
      <scheduleElementOrder>
        <scheduleElementOrderReferencesTo>
          <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
          <idOrder src="PLANET_0001:BestNr" id="91181" unique="false"/>
          <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true"/>
        </scheduleElementOrderReferencesTo>
        <scheduledElementOrderDate date="2013-08-20"/>
      </scheduleElementOrder>
    </scheduleElementOrderList>
  </msg>
</SUTI>
```

SUTI Message 6810	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="6810"	SUTI nod <msg/>
msgName="requestForOrderInformation"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrder/>
date="2013-08-20"	SUTI nod <scheduleElementDate/> För fasta dagar anges inte datum utan noden <scheduleElementWeekday/> används där den angivna dagen har värdet = "true" För icke fasta dager används noden <scheduleElementDate/> och datumet anges som date="2013-08-20"
src="PLANET_0001:BestNr" id="91181"	SUTI nod <idOrder/>

2.2.13 SUTI message RequestedOrderInformation 6800

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
 <orgSender name="HDSKOL">
  <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
 </orgSender>
 <orgReceiver name="PLANET">
  <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
 </orgReceiver>
 <msg msgType="6800" msgName="requestedOrderInformation">
  <idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  <orderTemplate>
   <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
    <orderTemplateCalendar/>
    <scheduleElements>
     <scheduleElement scheduleElementSequenceNbr="1">
   <scheduleElementReferencesTo>
    <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
    <idOrder src="PLANET_0001:BestNr" id="486" unique="false"/>
    <!-- idRejectReason skickas vid eventulla fel -->
        <idRejectReason src="PLANET_0001:Txt" id="Eventuell fel text" unique="false"/>
   </scheduleElementReferencesTo>
   <scheduleElementRoute>
    <!-- nodeType="1803" => "pickup" -->
    <node nodeSeqno="1" nodeType="1803">
     <addressNode addressName="VILLAGATAN 3">
      <idZone src="HDSKOL_0001:HOmr" id="TRC002" unique="true" />
     </addressNode>
     <timesNode>
      <!-- timeType="2101" => scheduledtime -->
      <time timeZone="1" time="2013-08-20T08:30:00" timeType="2101"/>
     </timesNode>
     <contents>
      <!-- contentType="1001" => traveller -->
      <content contentType="1001" name="KALLE SVENSSON">
       <idContent src="HDSKOL_0001:KId" id="010101-1234" unique="true"/>
       <attributeContent>
            <attribute>
             <idAttribute src="HDSKOL_0001:Bet" id="TRSKOL" unique="true"/>
     </attribute>
     <attribute>
      <idAttribute src="HDSKOL_0001:KostSt" id="TRSKO1" unique="true"/>
     </attribute>
     <attribute>
      <idAttribute src="HDSKOL_0001:Proc" id="47.0" unique="true"/>
        </attribute>
            <attribute>
      <idAttribute src="HDSKOL_0001:Bom" id="N" unique="true"/>
        </attribute>
         </attributeContent>
      </content>
     </contents>
    </node>
    <!-- nodeType="1803" => "pickup" -->
        <node nodeSeqno="2" nodeType="1803">
     <addressNode addressName="VILLAGATAN 18">
      <idZone src="HDSKOL_0001:HOmr" id="TRC002" unique="true" />
     </addressNode>
     <timesNode>
      <!-- timeType="2101" => scheduledtime -->
      <time timeZone="1" time="2013-08-20T08:32:00" timeType="2101"/>
     </timesNode>
```

```
      <contents>
       <!-- contentType="1001" => traveller -->
       <content contentType="1001" name="GRETA ERIKSSON">
        <idContent src="HDSKOL_0001:KId" id="020202-1234" unique="true"/>
        <attributeContent>
             <attribute>
              <idAttribute src="HDSKOL_0001:Bet" id="TRSKOL" unique="true"/>
       </attribute>
       <attribute>
        <idAttribute src="HDSKOL_0001:KostSt" id="TRSKO1" unique="true"/>
       </attribute>
       <attribute>
        <idAttribute src="HDSKOL_0001:Proc" id="53.0" unique="true"/>
          </attribute>
             <attribute>
        <idAttribute src="HDSKOL_0001:Bom" id="N" unique="true"/>
          </attribute>
           </attributeContent>
       </content>
      </contents>
        </node>
    <!-- nodeType="1804" => "destination" -->
    <node nodeSeqno="3" nodeType="1804">
      <addressNode addressName="TROLLSKOLAN">
       <idZone src="HDSKOL_0001:LOmr" id="TRV018" unique="true" />
      </addressNode>
      <timesNode>
       <!-- timeType="2101" => scheduledtime -->
       <time timeZone="1" time="2013-08-20T08:45:00" timeType="2101"/>
      </timesNode>
      <contents>
       <!-- contentType="1001" => traveller -->
       <content contentType="1001" name="KALLE SVENSSON">
        <idContent src="HDSKOL_0001:KId" id="010101-1234" unique="true"/>
        <attributeContent>
             <attribute>
              <idAttribute src="HDSKOL_0001:Bet" id="TRSKOL" unique="true"/>
       </attribute>
       <attribute>
        <idAttribute src="HDSKOL_0001:KostSt" id="TRSKO1" unique="true"/>
       </attribute>
       <attribute>
        <idAttribute src="HDSKOL_0001:Proc" id="47.0" unique="true"/>
          </attribute>
             <attribute>
        <idAttribute src="HDSKOL_0001:Bom" id="N" unique="true"/>
          </attribute>
           </attributeContent>
       </content>
       <!-- contentType="1001" => traveller -->
       <content contentType="1001" name="GRETA ERIKSSON">
        <idContent src="HDSKOL_0001:KId" id="020202-1234" unique="true"/>
        <attributeContent>
             <attribute>
              <idAttribute src="HDSKOL_0001:Bet" id="TRSKOL" unique="true"/>
       </attribute>
       <attribute>
        <idAttribute src="HDSKOL_0001:KostSt" id="TRSKO1" unique="true"/>
       </attribute>
       <attribute>
        <idAttribute src="HDSKOL_0001:Proc" id="53.0" unique="true"/>
          </attribute>
             <attribute>
```

```
          <idAttribute src="HDSKOL_0001:Bom" id="N" unique="true"/>
            </attribute>
              </attributeContent>
          </content>
        </contents>
      </node>
    </scheduleElementRoute>
      </scheduleElement>
    </scheduleElements>
  </orderTemplate>
 </msg>
</SUTI>
```

SUTI Message 6800	Kommentar
<orgSender name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="HDSKOL_0001:Bet"
<orgReceiver name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="PLANET_0001:BestNr"
msgType="6800"	SUTI nod <msg/>
msgName="requestedOrderInformation"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001 :MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
orderTemplateName="A1"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>
src="PLANET_0001:BestNr" id="486"	SUTI nod <idOrder/>
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> *Om svaret är OK skickas inte noden* <idRejectReason/>
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> *Om svaret är OK skickas inte noden* <idRejectReason/>
src="HDSKOL_0001:KId" id="010101-1234"	SUTI nod <idContent/>
name="KALLE SVENSSON"	SUTI nod <content/>
time="2013-08-20T08:30:00"	SUTI nod <time/> HTid eller LTid bestäms av nodeType
addressName="VILLAGATAN 3"	SUTI nod <addressNode/> HAdr eller LAdr bestäms av nodeType
src="HDSKOL_0001:HOmr" id="TRC002"	SUTI nod <idZone/>
time="2013-08-20T08:45:00"	SUTI nod <time/> HTid eller LTid bestäms av nodeType
addressName="TROLLSKOLAN"	SUTI nod <addressNode/> HAdr eller LAdr bestäms

	av nodeType
src="HDSKOL_0001:Bet" id="TRSKOL"	SUTI nod <idAttribute/>
src="HDSKOL_0001:KostSt" id="TRSKO1"	SUTI nod <idAttribute/>
src="HDSKOL_0001:Proc" id="53.0"	SUTI nod <idAttribute/>
src="HDSKOL_0001:Bom" id="N"	SUTI nod <idAttribute/>

2.2.14 SUTI message RequestGeograhpyinformation 1050

To be implemented later

2.2.15 SUTI message TransferGeograhpyinformation 1051

To be implemented later

2.2.16 SUTI message Keepalive 7000

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="7000" msgName="Keepalive">
    <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  </msg>
</SUTI>
```

SUTI Message 7000	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges.
msgType="7000"	SUTI nod <msg/>
msgName="Keepalive"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001 :MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken

2.2.17 SUTI message Keepalive 7001

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
  <orgSender name="HDSKOL">
    <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
  </orgSender>
  <orgReceiver name="PLANET">
    <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="7001" msgName="KeepAliveConfirmation">
    <idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
    <referencesTo>
      <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
      <!-- idRejectReason skickas vid eventulla fel -->
      <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/>
    </referencesTo>
  </msg>
</SUTI>
```

SUTI Message 7001	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som “äger” parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges.
msgType="7001"	SUTI nod <msg/>
msgName="KeepAliveConfirmation"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> Om svaret är OK skickas inte noden <idRejectReason/>
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> Om svaret är OK skickas inte noden <idRejectReason/>

2.2.18 SUTI message RequestForOrderInfo 2540

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
 <orgSender name="PLANET">
  <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
 </orgSender>
 <orgReceiver name="HDSKOL">
  <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
 </orgReceiver>
 <msg msgType="2540" msgName="RequestForOrderInfo">
  <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  <orderTemplate>
   <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
   <orderTemplateCalendar/>
   <scheduleElements>
    <scheduleElement scheduleElementSequenceNbr="1">
     <!-- Fasta dagar anges ej med datum utan som nedan -->
   <scheduleElementWeekday monday="true"/>
   <scheduleElementReferencesTo>
    <idOrder src="PLANET_0001:BestNr" id="3412" unique="false"/>
    <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
   </scheduleElementReferencesTo>
   <scheduleElementRoute>
    <!-- nodeType="1803" => "pickup" -->
    <node nodeSeqno="1" nodeType="1803">
     <addressNode addressName="ABC-GATAN 5">
      <idZone src="HDSKOL_0001:Omr" id="OMR918" unique="true" />
     </addressNode>
     <timesNode>
      <!-- Fast måndag = 1899-12-31, Fast tisdag = 1900-01-01 osv. -->
      <time timeZone="1" time="1899-12-31T08:20:00" timeType="2101"/>
     </timesNode>
     <contents>
      <!-- contentType="1001" => traveller -->
      <content contentType="1001" name="empty">
       <resourceContent>
        <vehicle>
       <capacity>
        <seats noOfSeats="5"/>
         </capacity>
        </vehicle>
       </resourceContent>
      </content>
     </contents>
    </node>
    <!-- nodeType="1804" => "destination" -->
    <node nodeSeqno="2" nodeType="1804">
     <addressNode addressName="SKOLGATAN 23">
      <idZone src="HDSKOL_0001:Omr" id="OMR311" unique="true" />
     </addressNode>
     <timesNode>
      <time timeZone="1" time="1899-12-31T08:55:00" timeType="2101"/>
     </timesNode>
     <contents>
      <!-- contentType="1001" => traveller -->
      <content contentType="1001" name="empty">
       <resourceContent>
        <vehicle>
       <capacity>
        <seats noOfSeats="5"/>
       </capacity>
      </vehicle>
```

```
          </resourceContent>
        </content>
      </contents>
    </node>
      </scheduleElementRoute>
    </scheduleElement>
  </scheduleElements>
 </orderTemplate>
</msg>
</SUTI>
```

SUTI Message 2540	Kommentar
<orgSender name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="PLANET_0001:MsgId"
<orgReceiver name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan I src för att tala om vem som "äger" parametern ex. src="HDSKOL_0001:TurIdNr"
msgType="2540"	SUTI nod <msg/>
msgName="RequestForOrderInfo"	SUTI nod <msg/>
<idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
monday="true"	SUTI nod <scheduleElementWeekday/> För fasta dagar anges inte datum utan noden <scheduleElementWeekday/> används där den angivna dagen har värdet = "true" För icke fasta dager används noden <scheduleElementDate/> och datumet anges som date="2013-08-20"
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>
src="PLANET_0001:BestNr" id="3412"	SUTI nod <idOrder/>
orderTemplateName="A1"	SUTI nod <idOrderTemplate/>
noOfSeats="5"	SUTI nod <seats/>
addressName="ABC-GATAN 5"	SUTI nod <addressNode/>
src="HDSKOL_0001:Omr" id="OMR918"	SUTI nod <idZone/>
time="1899-12-31T08:20:00"	SUTI nod <time/> Attributet time skall anges som datum + tid har löst detta genom att ange fast måndag = 1899-12-31 fast tisdag = 1900-01-01 fast onsdag = 1900-01-02 fast torsdag = 1900-01-03 fast fredag = 1900-01-04 fast lördag = 1900-01-05 fast söndag = 1900-01-06
addressName="SKOLGATAN 23"	SUTI nod <addressNode/>
src="HDSKOL_0001:Omr" id="OMR311"	SUTI nod <idZone/>
time="1899-12-31T08:55:00"	SUTI nod <time/> Attributet time skall anges som datum + tid har löst

	detta genom att ange fast måndag = 1899-12-31 fast tisdag = 1900-01-01 fast onsdag = 1900-01-02 fast torsdag = 1900-01-03 fast fredag = 1900-01-04 fast lördag = 1900-01-05 fast söndag = 1900-01-06

2.2.19 SUTI message OrderInfo 2541

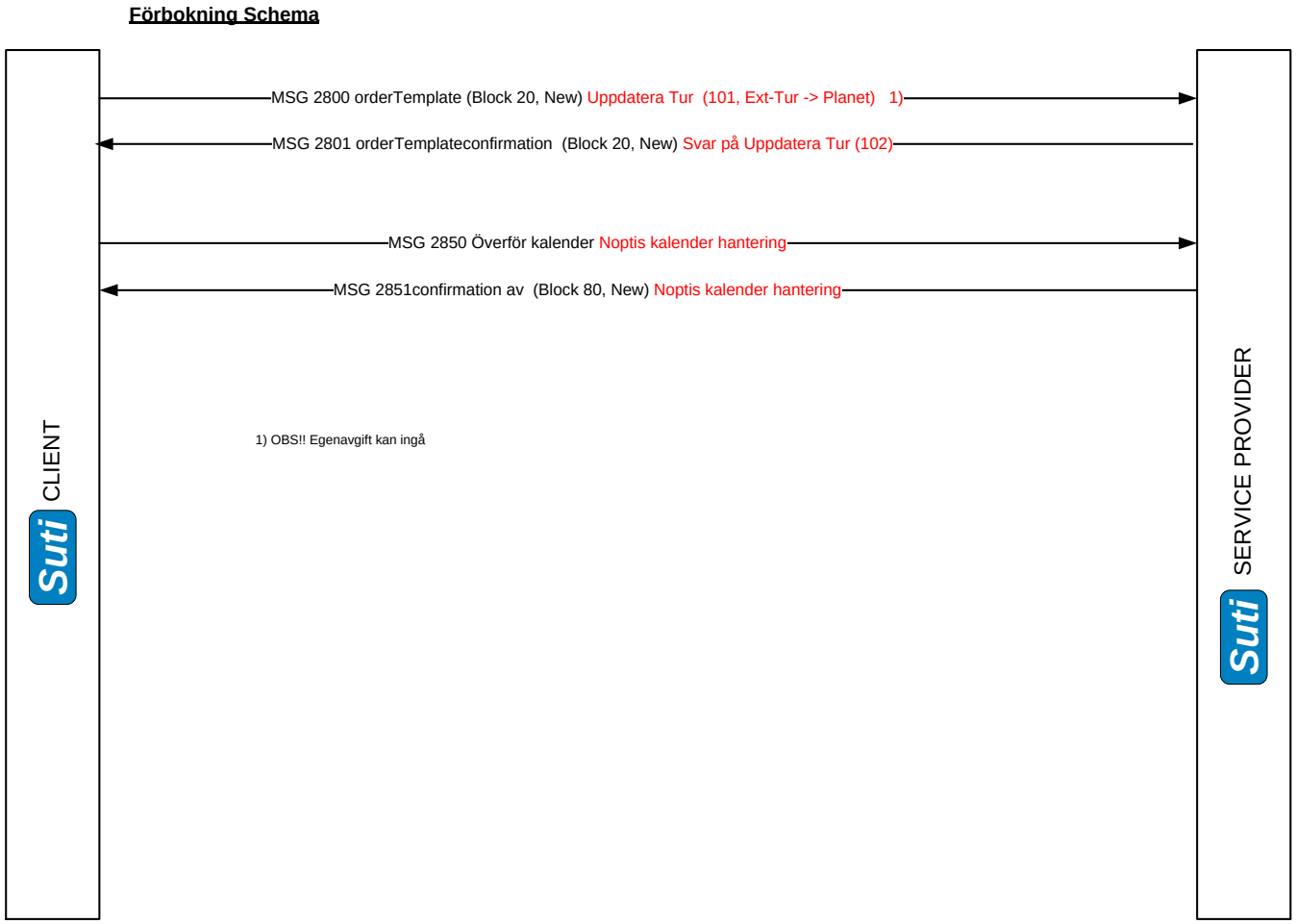
```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<SUTI>
 <orgSender name="HDSKOL">
  <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/>
 </orgSender>
 <orgReceiver name="PLANET">
  <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/>
 </orgReceiver>
 <msg msgType="2541" msgName="RequestForOrderInfo">
  <idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
  <referencesTo>
   <!-- msgid that this message replies to -->
   <idMsg src="PLANET_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>
   <!-- idRejectReason skickas vid eventulla fel →
   <idRejectReason src="PLANET_0001:Txt" id="Eventuell fel text" unique="false"/>
  </referencesTo>
  <orderTemplate>
   <idOrderTemplate src="HDSKOL_0001:TurIdNr" id="238" unique="true" orderTemplateName="A1"/>
   <orderTemplateCalendar/>
   <scheduleElements>
    <scheduleElement scheduleElementSequenceNbr="1">
     <!-- Fasta dagar anges ej med datum utan som nedan -->
     <scheduleElementWeekday monday="true"/>
     <scheduleElementReferencesTo>
      <idOrder src="PLANET_0001:BestNr" id="3412" unique="false"/>
    <idOrder src="HDSKOL_0001:HD_OrderNr" id="27641" unique="true"/>
     </scheduleElementReferencesTo>
     <scheduleElementRoute>
    <!-- nodeType="1803" => "pickup" -->
    <node nodeSeqno="1" nodeType="1803">
     <addressNode addressName="ABC-GATAN 5">
      <idZone src="HDSKOL_0001:Omr" id="OMR918" unique="true" />
     </addressNode>
     <timesNode>
      <!-- Fast måndag = 1899-12-31, Fast tisdag = 1900-01-01 osv. -->
      <time timeZone="1" time="1899-12-31T08:20:00" timeType="2101"/>
     </timesNode>
     <contents>
      <!-- contentType="1001" => traveller -->
      <content contentType="1001" name="">
       <resourceContent>
        <vehicle>
         <capacity>
       <seats noOfSeats="5"/>
      </capacity>
        </vehicle>
       </resourceContent>
      </content>
     </contents>
    </node>
    <!-- nodeType="1804" => "destination" -->
    <node nodeSeqno="2" nodeType="1804">
     <addressNode addressName="SKOLGATAN 23">
      <idZone src="HDSKOL_0001:Omr" id="OMR311" unique="true" />
     </addressNode>
     <timesNode>
      <time timeZone="1" time="1899-12-31T08:55:00" timeType="2101"/>
     </timesNode>
     <contents>
      <!-- contentType="1001" => traveller -->
      <content contentType="1001" name="">
```

```
          <resourceContent>
               <vehicle>
             <capacity>
               <seats noOfSeats="5"/>
           </capacity>
             </vehicle>
           </resourceContent>
         </content>
       </contents>
     </node>
       </scheduleElementRoute>
      </scheduleElement>
    </scheduleElements>
  </orderTemplate>
 </msg>
</SUTI>
```

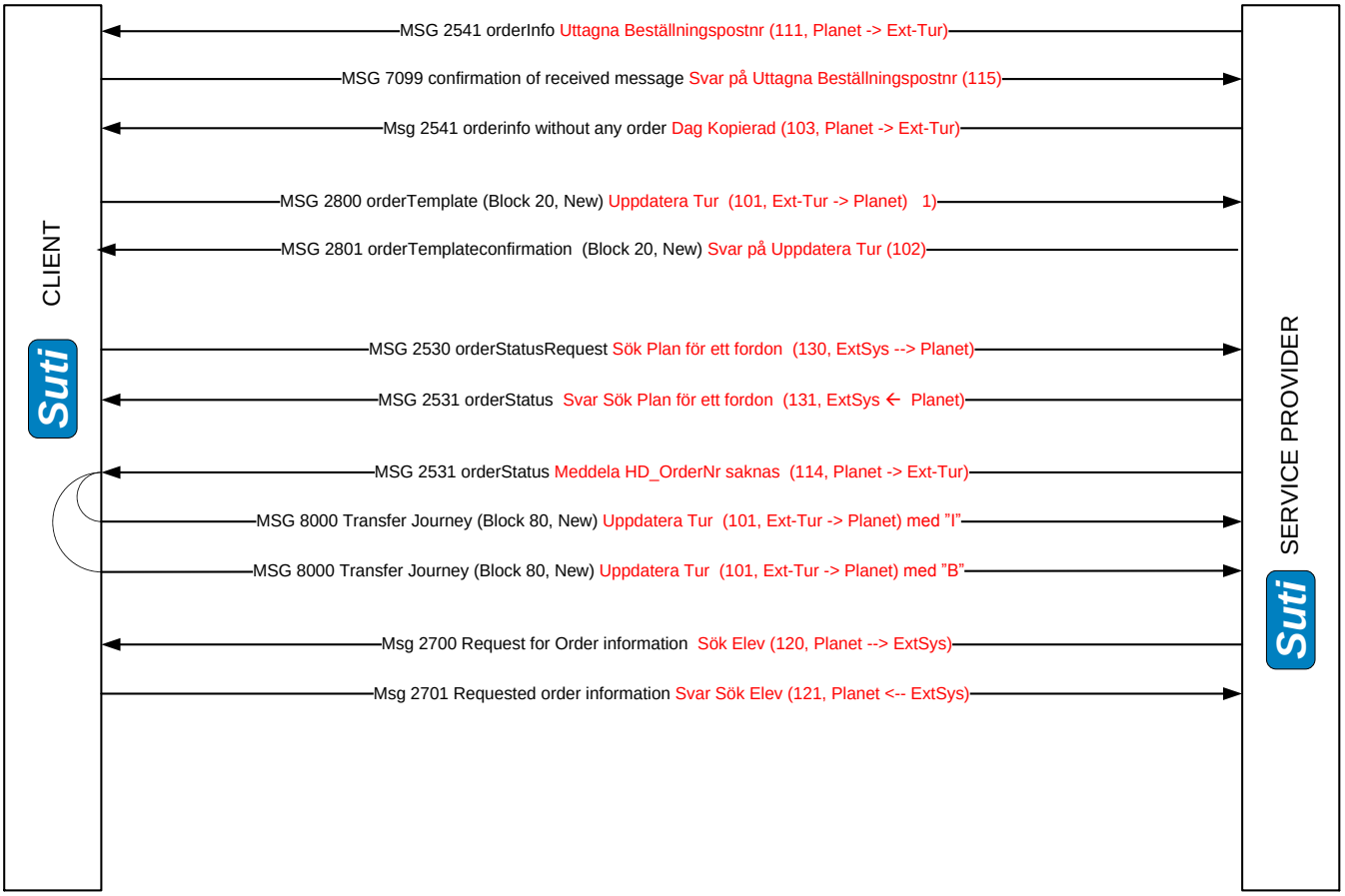
SUTI Message 2541	Kommentar
<orgSender name="HDSKOL"> <idOrg src="SUTI:idLink" id="HDSKOL_0001" unique="true"/> </orgSender>	Information om vem som skickar meddelandet. Attribut name och id anges. Attributet id används sedan i src för att tala om vem som "äger" parametern ex. src="HDSKOL_0001:MsgId"
<orgReceiver name="PLANET"> <idOrg src="SUTI:idLink" id="PLANET_0001" unique="true"/> </orgReceiver>	Information om vem som tar emot meddelandet. Attribut name och id anges. Attributet id används sedan I src för att tala om vem som "äger" parametern ex. src="PLANET_0001:BestNr"
msgType="2541"	SUTI nod <msg/>
msgName="OrderInfo"	SUTI nod <msg/>
<idMsg src="HDSKOL_0001:MsgId" id="20131125NNNNNNNN" unique="true"/>	Unikt id på aktuellt meddelande, anges som datum + nummer på 8 tecken
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> *Om svaret är OK skickas inte noden* <idRejectReason/>
	Om svaret INTE är OK skickas <idRejectReason src="HDSKOL_0001:Txt" id="Eventuell fel text" unique="false"/> *Om svaret är OK skickas inte noden* <idRejectReason/>
monday="true"	SUTI nod <scheduleElementWeekday/> För fasta dagar anges inte datum utan noden <scheduleElementWeekday/> används där den angivna dagen har värdet = "true" För icke fasta dager används noden <scheduleElementDate/> och datumet anges som date="2013-08-20"
src="HDSKOL_0001:TurIdNr" id="238"	SUTI nod <idOrderTemplate/>
src="HDSKOL_0001:HD_OrderNr" id="27641"	SUTI nod <idOrder/>
src="PLANET_0001:BestNr" id="3412"	SUTI nod <idOrder/>
orderTemplateName="A1"	SUTI nod <idOrderTemplate/>
noOfSeats="5"	SUTI nod <seats/>

addressName="ABC-GATAN 5"	SUTI nod <addressNode/>
src="HDSKOL_0001:Omr" id="OMR918"	SUTI nod <idZone/>
time="1899-12-31T08:20:00"	SUTI nod <time/> Attributet time skall anges som datum + tid har löst detta genom att ange fast måndag = 1899-12-31 fast tisdag = 1900-01-01 fast onsdag = 1900-01-02 fast torsdag = 1900-01-03 fast fredag = 1900-01-04 fast lördag = 1900-01-05 fast söndag = 1900-01-06
addressName="SKOLGATAN 23"	SUTI nod <addressNode/>
src="HDSKOL_0001:Omr" id="OMR311"	SUTI nod <idZone/>
time="1899-12-31T08:55:00"	SUTI nod <time/> Attributet time skall anges som datum + tid har löst detta genom att ange fast måndag = 1899-12-31 fast tisdag = 1900-01-01 fast onsdag = 1900-01-02 fast torsdag = 1900-01-03 fast fredag = 1900-01-04 fast lördag = 1900-01-05 fast söndag = 1900-01-06

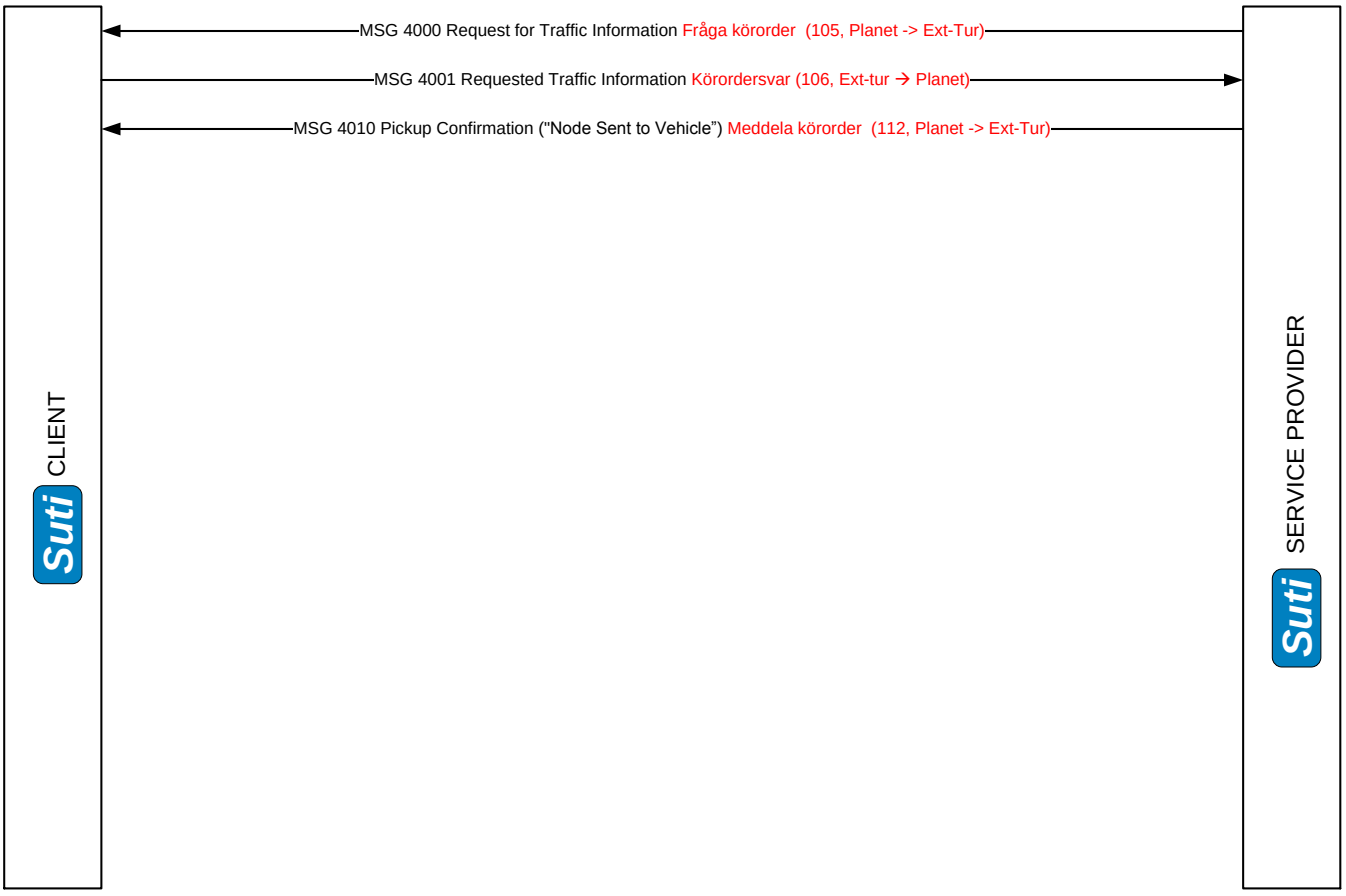
2.2.20 Flowcharts



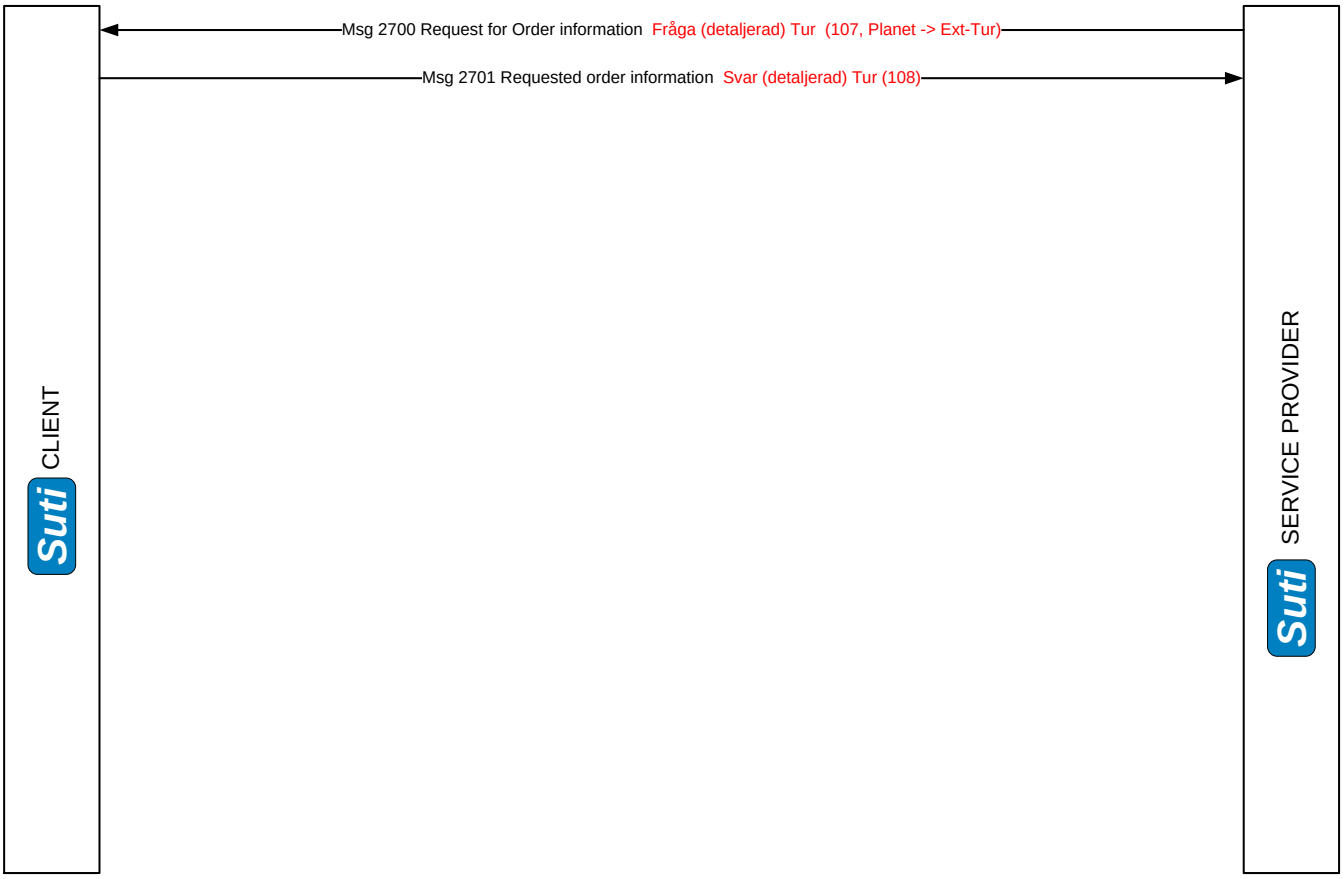
Aktuella Förbokningar



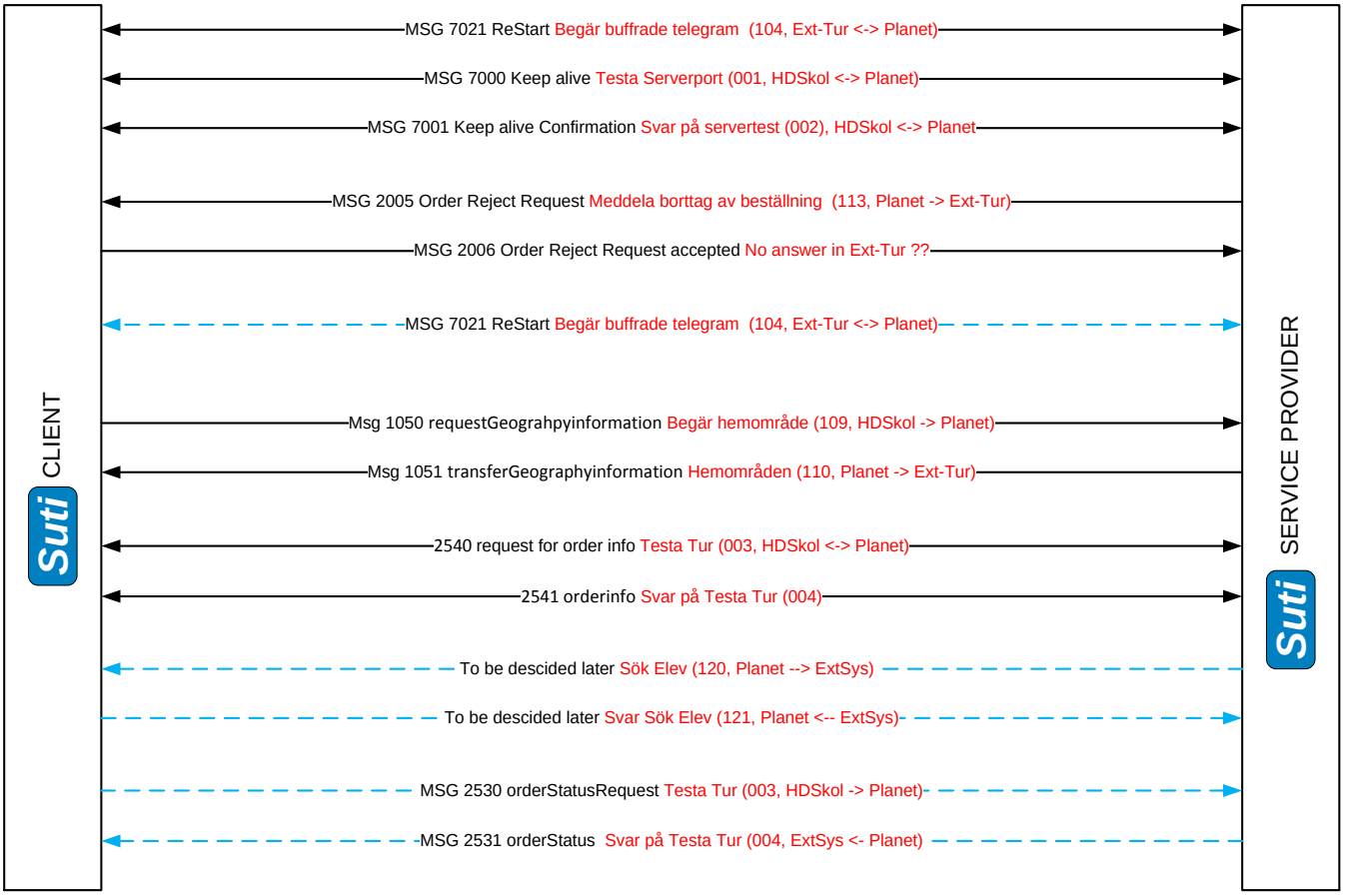
Körorder



Fakturaunderlag



Övrigt



2.2.21 Ej implementerade delar

Sök elev telegram 120
Ej implementerat

Ersätts av SUTI message ?
Ej implementerat

Sök plan för ett fordon telegram 130
Ej implementerat

Ersätts av SUTI message ?

2.3 SUTI flagstops

På SUTI konferencen i februar 2010 og i september 2010 diskuterede vi de nye telegrammer 2900 Authorization request og 2901 Authorization accept. Telegrammerne er beskrevet i dokumentet V2_3_EconomicalTransactions.pdf.

Trapeze vil gerne anvende disse telegrammer til en flagstop logik, og det kræver at der tilføjes et content element som beskriver kunden i Msg2900. Desuden er det nødvendigt med en ny subnodeType ved navn flagstop.

2.3.1 Flagstop forløb

En kunde kommer ind i en taxi og kører sit smartcard igennem en kortlæser i taxien. Kortnummeret sendes til et client system som svarer tilbage med info om kunden og accept for om kunden kan køre en tur. Info skal bestå af kundens navn, adresse og saldo på kundens konto.
Hvis kunden ikke findes i client systemet eller kunden ikke må køre, svares der tilbage med en afvisning og en årsag til afvisningen.

Hvis kunden er godkendt til at køre en tur, samler taxien kunden op og sender de geografiske koordinater, kundenr og smartcardId til client systemet. Det svarer til at sende en enkelt node til client systemet, og noden udføres med det samme.
Når kunden senere sættes af, sendes node 2 som er kundens destination. I client systemet kan de to noder nu samles til en booking og prisen på turen kan bogføres på kundens konto.

2.3.2 Flagstops i SUTI

2.3.2.1 Authorization

Flagstop forløbet består af to dele. Den første del er en autorisation, hvor en kunde godkendes til at køre en tur. Her kan vi anvende Msg2900 Authorization Request.

Indholdet i telegrammet skal være smartcardId (et kortnr). Det placeres under referencesTo i idAuthorization:

```
<referencesTo>
    <idAuthorization id="12345678" src="trapezesoftware_Skånetrafiken_0001:smartCardId"></idAuthorization>
</referencesTo>
```

Msg2900 besvares med Msg2901 Authorization Accept. Til dette telegram skal der tilføjes et content element (SUTI/Msg/AuthorizationAccept/Content), så man kan angive en kundes navn og øvrige oplysninger som hører hjemme under content. Kundens hjemmeadresse og saldoen på kundens konto kan angives under manualDescriptionContent.

2.3.2.2 Bookingen

Den anden halvdel af flagstoppet er en booking som sammensættes af to nodes. Den første node dannes ud fra den geografiske position, hvor kunden stiger ind i bilen, og den anden node er adressen, hvor kunden sættes af. Pickup noden kan angives i order elementet i Msg2900 Authorization request, og i subnodeType angives det at det drejer sig om et flagstop:

```
<node nodeSeqno="1" nodeType="pickup" subnodeType="flagstop">
```

Efter at bilen modtager en Authorization Accept, sendes en Msg4010 Event Confirmation som bekræfter at kunden nu er i bilen og er klar til at køre.

Dropoff noden sendes fra bilen til clientsystemet, når kunden stiger ud af bilen. Det er en Msg4010 Event Confirmation hændelse igen med flagstop som subNodeType:

```
<pickupConfirmation eventType="passengerdropped">
    <nodeConfirmed nodeType="destination" nodeSeqno="2" subnodeType="flagstop">
```

Når clientsystemet har modtaget flagstop destination noden, sender clientsystemet Msg4020 End of order. Og dermed er kommunikationen vedrørende flagstoppet slut.

Hvis der i Msg2901 Authorization request er angivet deliveryNote under process elementet:

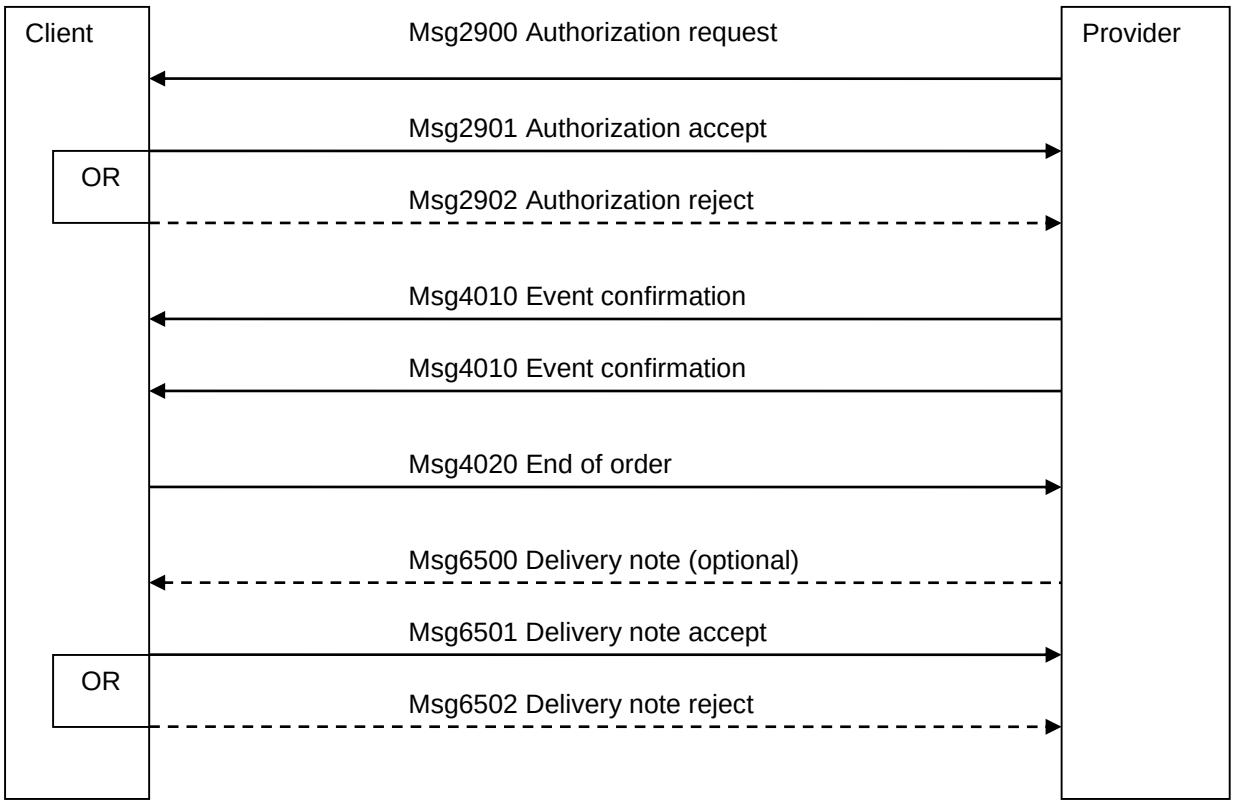
<process allowRouting="false" trafficControl="true" dispatchResponsible="client" report="false" preorderedVehicle="false" dispatch="true" manualDispatch="false" deliveryNote="true"></process>

Så udvides flagstop kommunikationen med en Msg6500 deliveryNote og et tilhørende svar.

Se eksempler på telegrammer i filerne:

SUTI_Msg2900 Authorization request.xml
SUTI_Msg2901 Authorization Accept.xml
Msg4010_EventConfirmation_pickup.xml
Msg4010_EventConfirmation_destination.xml

Her er en skitse af message flow:



2.4 Delivery Note and associated messages

2.4.1 How to request a Msg 6500 Delivery Note

A Msg 6500 can be requested in the following 3 ways.

2.4.1.1 Request for Msg 6500 by using process element in a Msg 2000

A Msg 6500 can be requested by using the attribute deliveryNoteRequest in Msg 2000 Order in the process element.

```
<process manualDispatch="false" dispatch="true" dispatchResponsible="provider" trafficControl="false"
report="false" preorderedVehicle="false" allowRouting="false" deliveryNoteRequest="true"/>
```

2.4.1.2 Request for Msg 6500 by using process element in a Msg 2901

A Msg 6500 can be requested by using the attribute deliveryNoteRequest in Msg 2901 Order Authorization accept in the process element.

```
<process manualDispatch="false" dispatch="true" dispatchResponsible="provider" trafficControl="false"
report="false" preorderedVehicle="false" allowRouting="false" deliveryNoteRequest="true"/>
```

2.4.1.3 Request for Msg 6500 by sending a Msg 6510

A Msg 6500 can be requested by sending a MSG 6510 deliveryNoteRequest to the provider.

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="SUTI_MessageXSD_2_4_X_Inprogress.xsd">
    <orgSender name="Skånetrafiken">
        <idOrg src="SUTI:idlink" id="trapezesoftware_Skånetrafiken_0003" unique="true"/>
    </orgSender>
    <orgReceiver name="TaxiBilSyd">
        <idOrg src="SUTI:idlink" id="Holmedal_TaxiBilSyd_0001" unique="true"/>
    </orgReceiver>
    <msg msgType="6510" msgName="deliveryNoteRequest">
    <idMsg src="Trapezesoftware_Skånetrafiken_0003:MsgId" id="2011011312345678" unique="true"/>
        <referencesTo>
            <idMsg src="Holmedal_TaxiBilSyd_0001:MSGID" id="2011011315096979" unique="true"/>
            <idVehicle src="Holmedal_TaxiBilSyd_0001:VehicleNumber" id="1808" unique="true"/>
        </referencesTo>
    </msg>
</SUTI>
```

2.4.1.4 Responding to a Msg 6510 with a Msg 6511

If the client requests a Msg 6500 by using a Msg 6510 the provider has the option to answer by sending a Msg 6511 deliveryNoteRequestReject. A Msg 6511 shall be sent immediately after a Msg 6510 has been received.

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="SUTI_MessageXSD_2_4_X_Inprogress.xsd">
    <orgSender name="TaxiBilSyd">
        <idOrg src="SUTI:idlink" id="Holmedal_TaxiBilSyd_0001" unique="true"/>
    </orgSender>
    <orgReceiver name="Skånetrafiken">
        <idOrg src="SUTI:idlink" id="trapezesoftware_Skånetrafiken_0003" unique="true"/>
    </orgReceiver>
    <msg msgType="6511" msgName="deliveryNoteRequestReject">
        <idMsg src="Holmedal_TaxiBilSyd_0001:MSGID" id="2011011315096980" unique="true"/>
        <referencesTo>
            <idMsg src="rapezesoftware_Skånetrafiken_0003:MsgId" id="2011011312345678" unique="true"/>
            <idVehicle src="Holmedal_TaxiBilSyd_0001:VehicleNumber" id="1808" unique="true"/>
        </referencesTo>
    </msg>
</SUTI>
```

2.4.2 Sending a Msg 6500 Delivery Note

If requested a Msg 6500 shall be sent within 1 business day. This time limit can be altered if a mutual agreement between Client and Provider exists.

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="SUTI_MessageXSD_2_4_X_Inprogress.xsd">
    <orgSender name="TaxiBilSyd">
        <idOrg src="SUTI:idlink" id="Holmedal_TaxiBilSyd_0001" unique="true"/>
    </orgSender>
    <orgReceiver name="Skånetrafiken">
        <idOrg src="SUTI:idlink" id="trapezesoftware_Skånetrafiken_0003" unique="true"/>
    </orgReceiver>
    <msg msgType="6500" msgName="deliveryNote">
        <idMsg src="Holmedal_TaxiBilSyd_0001:MSGID" id="2011011315096979" unique="true"/>
        <deliveryNote>
            <idReceipt id="12345" src="trapezesoftware_Skånetrafiken_0003:FakturaNr"></idReceipt>
            <eventReportDeliveryNote>
            <event eventType="pickup">
            <subOrderEvent>
                <idOrder id="12345" src="trapezesoftware_Skånetrafiken_0003:BookingId"></idOrder>
            </subOrderEvent>
            <eventContent contentType="companion" name="unknown">
            <resourceContent>
                <vehicle>
                        <capacity>
                            <seats noOfSeats="2" noOfItems="2"></seats>
                        </capacity>
                </vehicle>
            </resourceContent>
            </eventContent>
            </event>
            </eventReportDeliveryNote>
            <summaryReportDeliveryNote orderEnded="true" ></summaryReportDeliveryNote>
            <economyReportDeliveryNote>
<!--Commentary: <economyReportDeliveryNote> WITHOUT nodeSeqno means that this is reported TOTAL-->
                <formOfPayment>
                    <payment paymentType="account" amount="125.00">
                        <idCurrency src="ISO 4217" id="SEK" unique="false"/>
                        <vatAmountSpecification>
```

```
                        <totalVatAmount amountVat="25" amountInclVat="125" distance="23" duration="32">
                            <idAmount id="Total" src="Holmedal_TaxiBilSyd_0001:AmountId"></idAmount>
                        </totalVatAmount>
                    </vatAmountSpecification>
                </payment>
                <payment paymentType="socialservicefee" amount="50"></payment>
            </formOfPayment>
        </economyReportDeliveryNote>
        <economyReportDeliveryNote nodeSeqno="2">
<!--Commentary: <economyReportDeliveryNote> WITH nodeSeqno means that this is presented a NOD. Note! Accounting should be done in the node where the traveller leaves the vehicle -->
            <formOfPayment>
                <payment paymentType="socialservicefee" amount="25.00">
                    <idCurrency src="ISO 4217" id="SEK" unique="false"/>
                </payment>
            </formOfPayment>
        </economyReportDeliveryNote>
        <economyReportDeliveryNote nodeSeqno="4">
<!--Commentary: <economyReportDeliveryNote> WITH nodeSeqno means that this is presented a NOD. Note! Accounting should be done in the node where the traveller leaves the vehicle -->
            <formOfPayment>
                <payment paymentType="socialservicefee" amount="25.00">
                    <idCurrency src="ISO 4217" id="SEK" unique="false"/>
                </payment>
            </formOfPayment>
        </economyReportDeliveryNote>
    </deliveryNote>
  </msg>
</SUTI>
```

2.4.3 Answering a Msg 6500

A Msg 6500 shall be answered within 1 business day. It's possible to answer with Msg 6501 deliveryNoteAccept, Msg 6502 deliveryNoteReject or Msg 6503 deliveryNoteReject.

2.4.3.1 Msg 6501 deliveryNoteAccept

Msg 6501 shall be sent if the client accepts the information included in Msg 6500.

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="SUTI_MessageXSD_2_4_X_Inprogress.xsd">
  <orgSender name="Skånetrafiken">
    <idOrg src="SUTI:idlink" id="trapezesoftware_Skånetrafiken_0003" unique="true"/>
  </orgSender>
  <orgReceiver name="TaxiBilSyd">
    <idOrg src="SUTI:idlink" id="Holmedal_TaxiBilSyd_0001" unique="true"/>
  </orgReceiver>
  <msg msgType="6501" msgName="deliveryNoteAccept">
    <idMsg src="rapezesoftware_Skånetrafiken_0003:MsgId" id="2011011312345678" unique="true"/>
    <referencesTo>
      <idMsg src="Holmedal_TaxiBilSyd_0001:MSGID" id="2011011315096979" unique="true"/>
      <idVehicle src="Holmedal_TaxiBilSyd_0001:VehicleNumber" id="1808" unique="true"/>
    </referencesTo>
  </msg>
</SUTI>
```

2.4.3.2 Msg 6502 deliveryNoteReject

Msg 6501 shall be sent if the client doesn't accept the information included in Msg 6500.

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="SUTI_MessageXSD_2_4_X_Inprogress.xsd">
    <orgSender name="Skånetrafiken">
        <idOrg src="SUTI:idlink" id="trapezesoftware_Skånetrafiken_0003" unique="true"/>
    </orgSender>
    <orgReceiver name="TaxiBilSyd">
        <idOrg src="SUTI:idlink" id="Holmedal_TaxiBilSyd_0001" unique="true"/>
    </orgReceiver>
    <msg msgType="6502" msgName="deliveryNoteReject">
        <idMsg src="rapezesoftware_Skånetrafiken_0003:MsgId" id="2011011312345678" unique="true"/>
        <referencesTo>
            <idMsg src="Holmedal_TaxiBilSyd_0001:MSGID" id="2011011315096979" unique="true"/>
            <idVehicle src="Holmedal_TaxiBilSyd_0001:VehicleNumber" id="1808" unique="true"/>
            <idRejectReason id="Turen blev ikke kørt." src="Holmedal_TaxiBilSyd_0001:RejectReason"/>
        </referencesTo>
    </msg>
</SUTI>
```

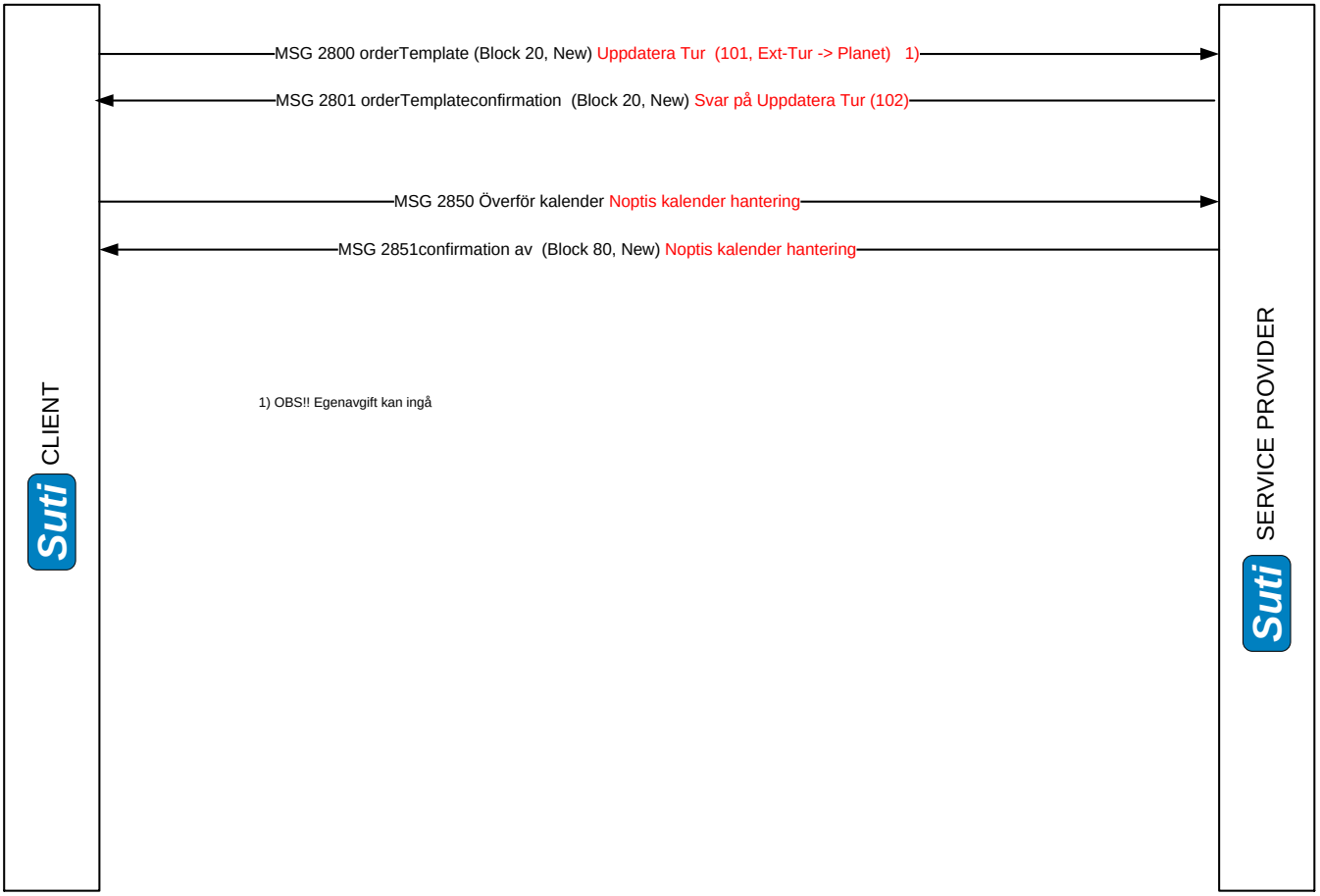
2.4.3.3 Msg 6503 deliveryNoteWait

Msg 6501 shall be sent if the client can't answer a msg 6500. The reason for this may include a sample of the message will occur.

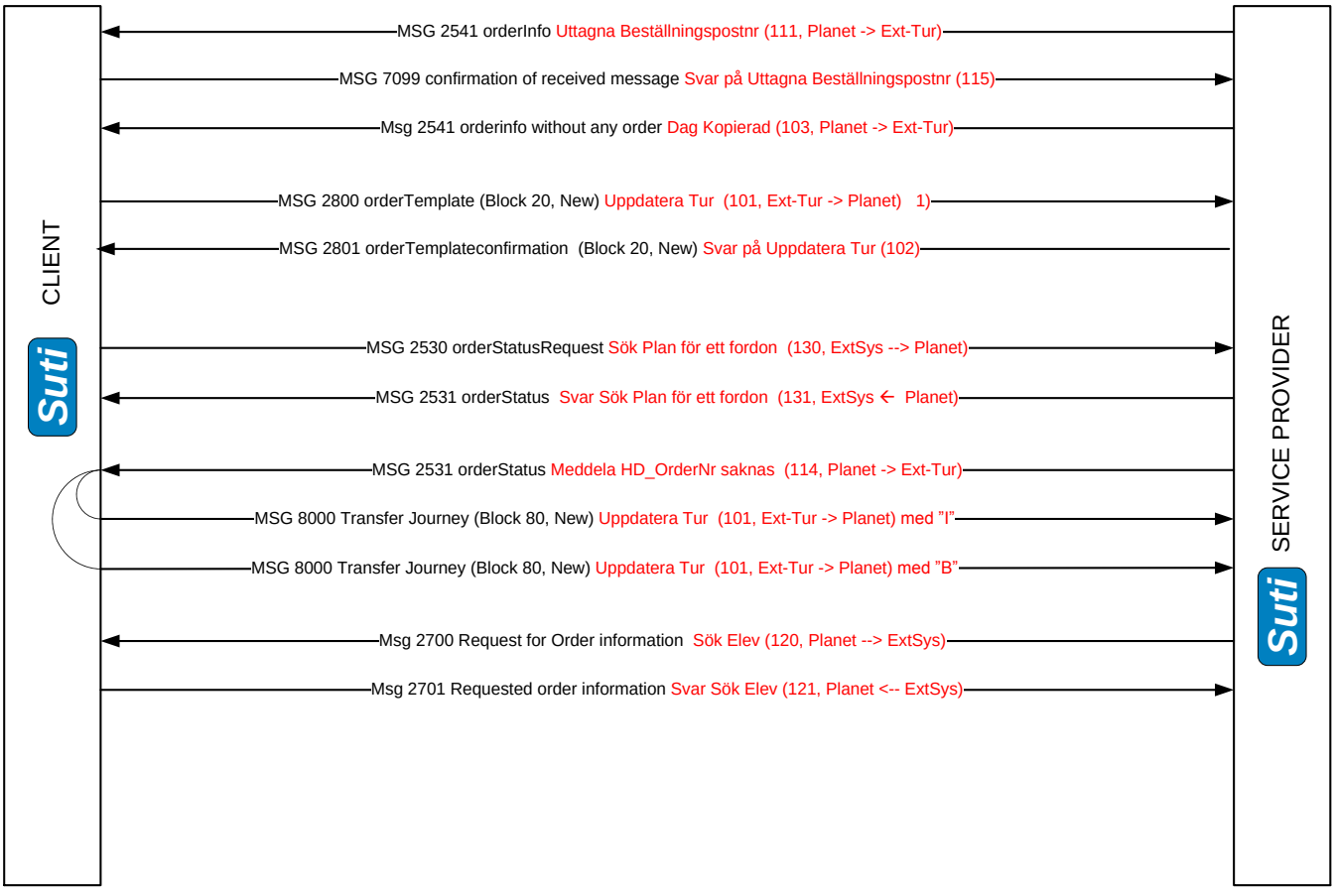
If Msg 6503 is used, a Msg 6501 or Msg 6502 shall be sent within 2 business days after a msg 6503 has been sent. If the client doesn't send a Msg 6501 or Msg 6502 within 2 business days, the provider shall consider the Msg as Approved. This time limit can be altered if a mutual agreement between Client and Provider exists.

```
<?xml version="1.0" encoding="UTF-8"?>
<SUTI xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="SUTI_MessageXSD_2_4_X_Inprogress.xsd">
    <orgSender name="Skånetrafiken">
        <idOrg src="SUTI:idlink" id="trapezesoftware_Skånetrafiken_0003" unique="true"/>
    </orgSender>
    <orgReceiver name="TaxiBilSyd">
        <idOrg src="SUTI:idlink" id="Holmedal_TaxiBilSyd_0001" unique="true"/>
    </orgReceiver>
    <msg msgType="6503" msgName="deliveryNoteWait">
        <idMsg src="rapezesoftware_Skånetrafiken_0003:MsgId" id="2011011312345678" unique="true"/>
        <referencesTo>
            <idMsg src="Holmedal_TaxiBilSyd_0001:MSGID" id="2011011315096979" unique="true"/>
            <idVehicle src="Holmedal_TaxiBilSyd_0001:VehicleNumber" id="1808" unique="true"/>
        </referencesTo>
    </msg>
</SUTI>
```

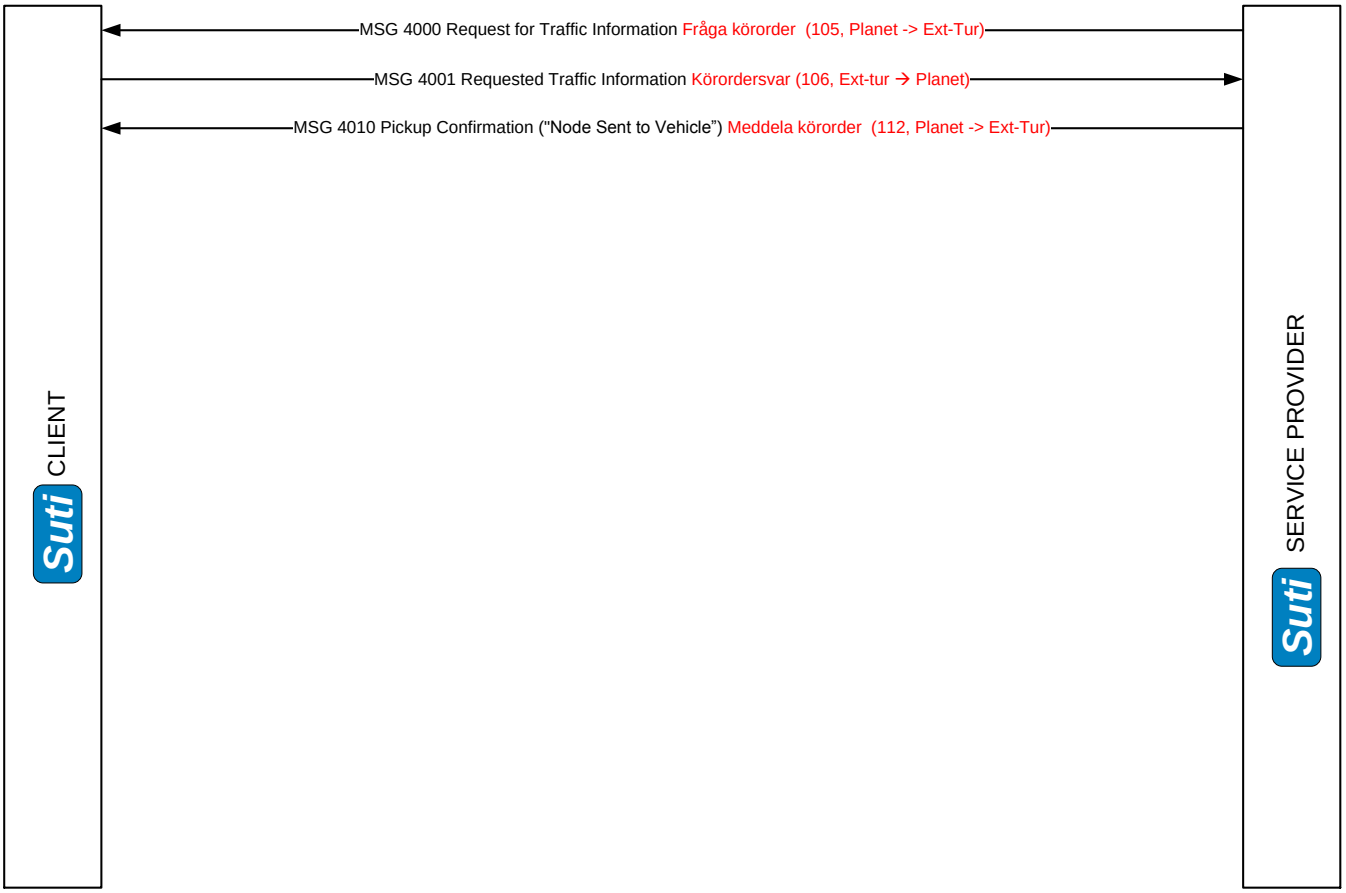
Förbokning Schema



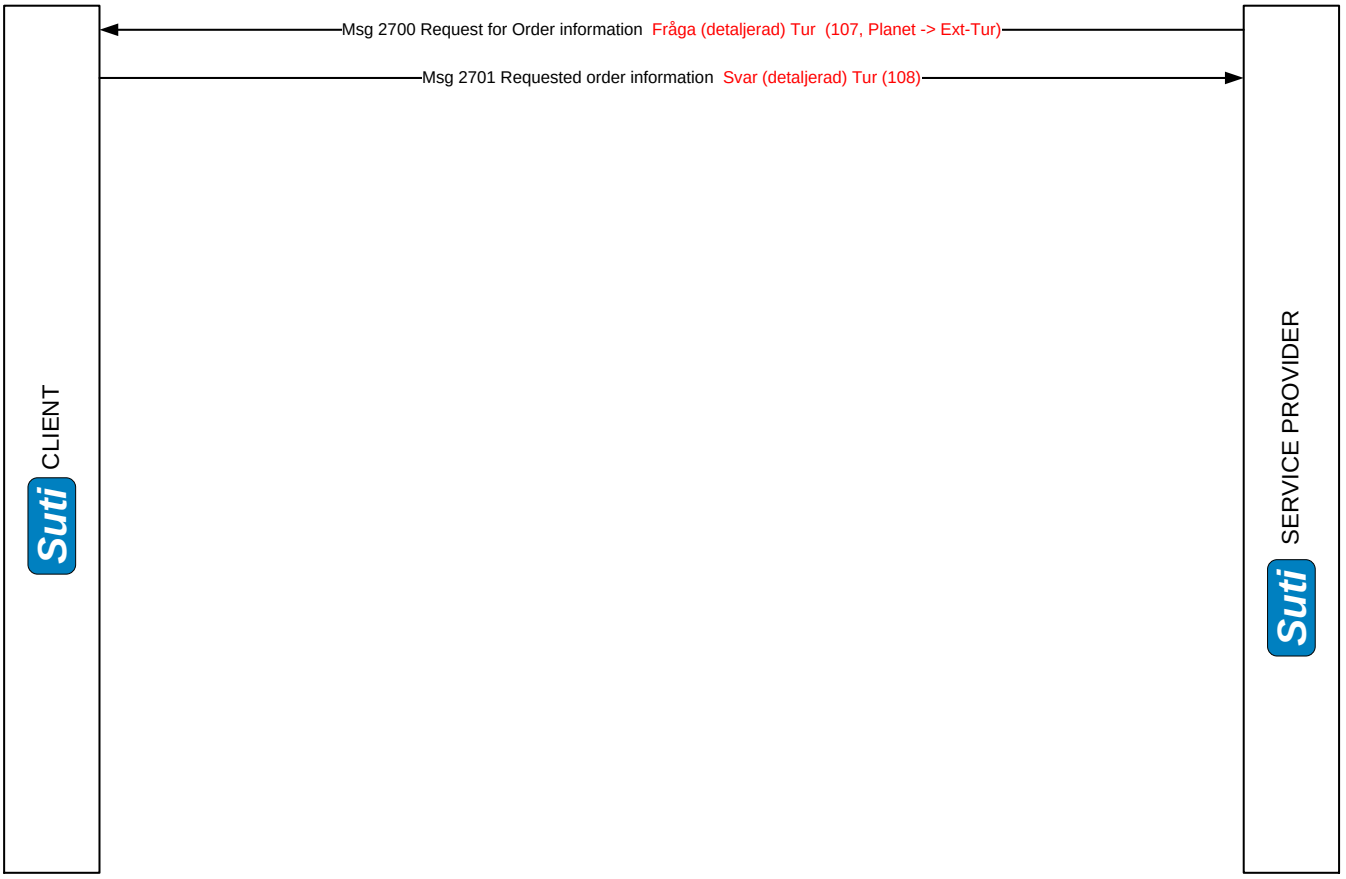
Aktuella Förbokningar



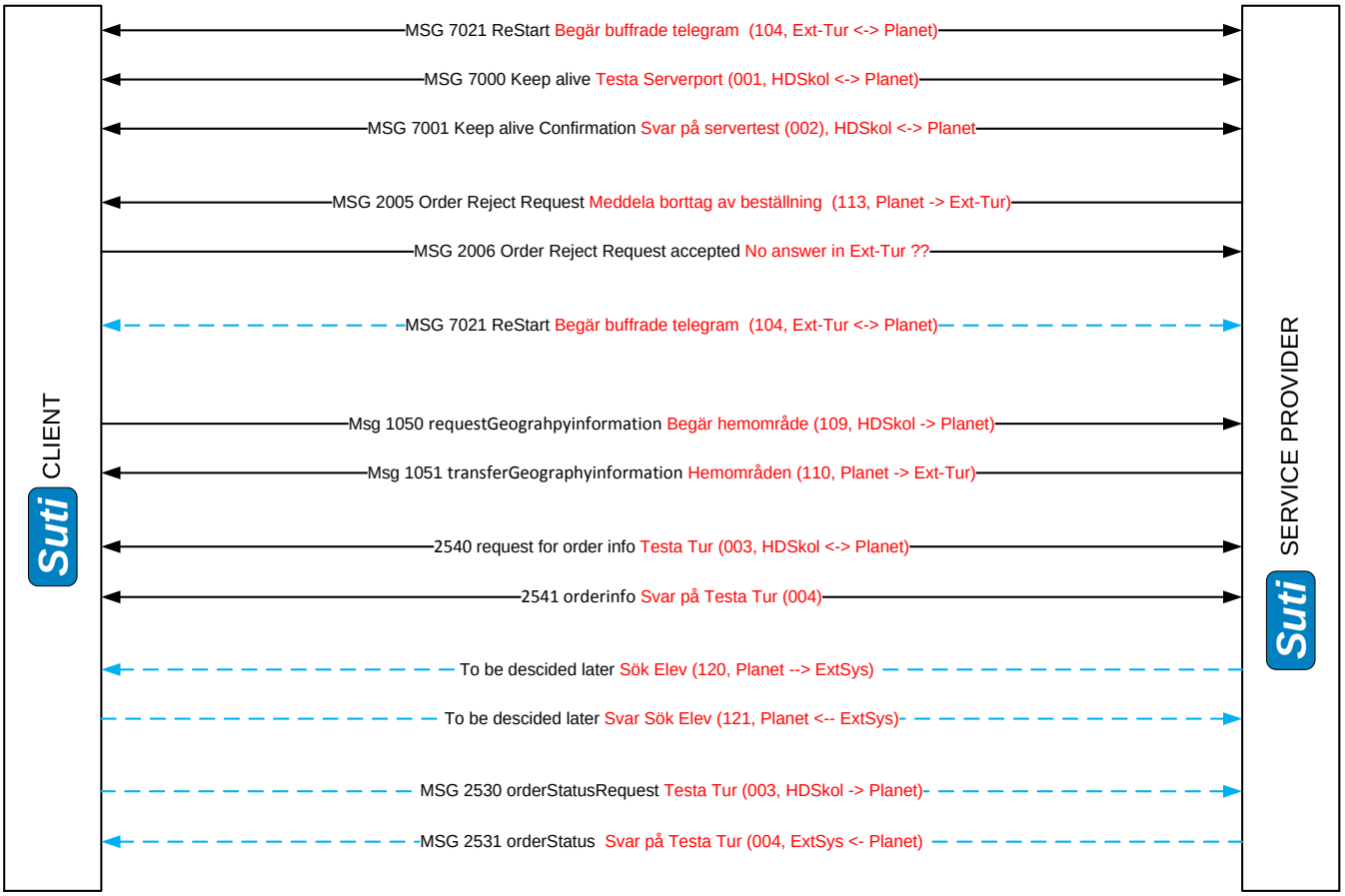
Körorder



Fakturaunderlag



Övrigt


CLIENT
Suti
SERVICE PROVIDER
Suti
MSG 7021 ReStart Begär buffrade telegram (104, Ext-Tur <-> Planet)
MSG 7000 Keep alive Testa Serverport (001, HDSkol <-> Planet)
MSG 7001 Keep alive Confirmation Svar på servertest (002), HDSkol <-> Planet
MSG 2005 Order Reject Request Meddela borttag av beställning (113, Planet -> Ext-Tur)
MSG 2006 Order Reject Request accepted No answer in Ext-Tur ??
MSG 7021 ReStart Begär buffrade telegram (104, Ext-Tur <-> Planet)
Msg 1050 requestGeograhpyinformation Begär hemområde (109, HDSkol -> Planet)
Msg 1051 transferGeographyinformation Hemområden (110, Planet -> Ext-Tur)
2540 request for order info Testa Tur (003, HDSkol <-> Planet)
2541 orderinfo Svar på Testa Tur (004)
To be descided later Sök Elev (120, Planet --> ExtSys)
To be descided later Svar Sök Elev (121, Planet <-- ExtSys)
MSG 2530 orderStatusRequest Testa Tur (003, HDSkol -> Planet)
MSG 2531 orderStatus Svar på Testa Tur (004, ExtSys <- Planet)

2.5 Accounting

2.5.1 Basic Accounting from Provider to Client

2.5.1.1 General

This type of accounting is called Basic accounting since it is called by the Provider as a request for settlement of transports as it is the basic principle for settlement. The accounting is based on an agreement between Client and Provider.

All accounting in SUTI is based on settlement of **tours**. A tour is a transport with a defined vehicle, a defined driver with a start and end. The transport has normally been ordered in advance by the Client and the transport can contain one or more travelers (or other content). The tour is defined in the vehicle as one economic transaction.

The process is a continuous process and most probable on a daily basis.

The process has four clearly differentiated sub processes:

1. Daily process (Invoicing).
   The Provider sends an accounting message containing one or several tours. Each tour can contain several suborders. The Client will accept the message and will start an automatic process to either accept or decline the invoice for each tour. Each decision is documented in a response message that shall contain exactly the same tours stating the decision for each tour. All accepted tours can be accounted by the Provider and the Provider shall expect a payment for the accepted tours.
   For each tour where the accounting is not accepted there should always be a reason that is documented in an errorCode. The responsibility to further process the tour is now back to the Provider. Normally the Provider corrects the tour and will then resend the tour in a later message (most often together with new tours).
   There is an option for the Client to decide that it will not make an automatic decision. In such a case the tour will be sent to a separate process called Reconsideration (see below). In such a case the tour will be neither set as accepted nor declined (rejected). It will be set as validate and the Client has then the responsibility to return with a later decision where it is either accepted or rejected (in a specific type of message).

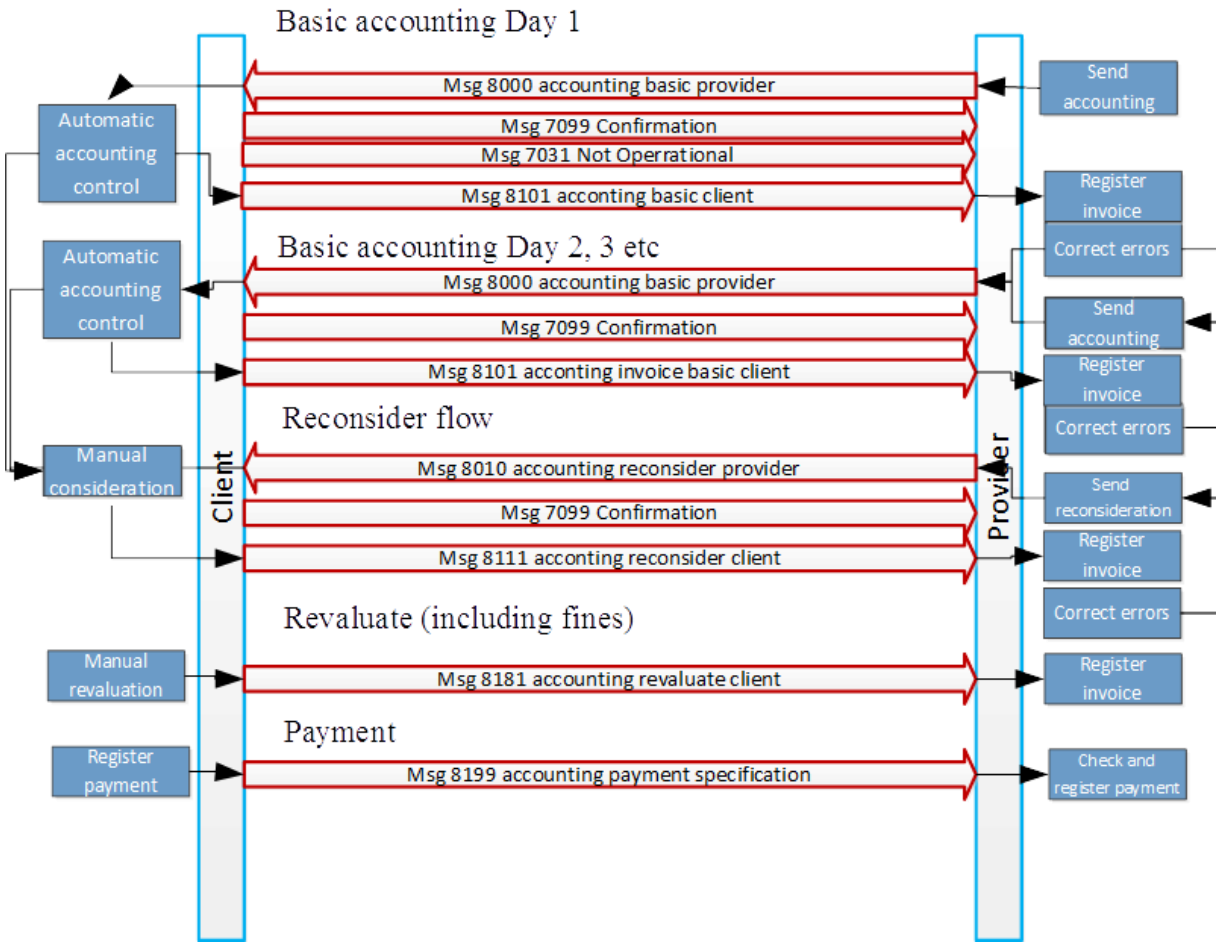
2. Reconsideration
   The process can either be initiated by Client as described above or by Provider if the Provider does not approve with a reject for a tour. This process is normally a process with more manual treatment. Therefore the use of it should be restricted by both parties.

3. Revaluation
   This process is initiated by Client. It contains a change of decision for a tour. Normally this process is initiated because new information regarding a tour has been revealed later than at first acceptance. The message of revaluation should also be used for dealing with fines.

4. Payment
   The Client informs the Provider about the content of a specific payment. The message will only contain information witch messages (invoices) that is settled in a payment.

Decisions are always made exclusively by Client. A tour can be resent in many different message as long as it is not accepted. Sending a tour after is has been accepted should always be rejected unless it is the Revaluation process.

2.5.1.2 Flow chart



Observe that msg 7099 above has been specified only in a few of the different interactions. However it can be used in all interactions and it should be used as a technical acknowledgement if the processes are more batch oriented and the message are sent in a more online fashion.

2.5.1.3 Information content

The processes can easily be considered as sending files. If it is handled in such a way each file should only contain one message. The orgSender and orgReceiver should have been agreed in advance between the parties as for other SUTI communications.

Following general instructions regarding the content of the SUTI-elements should be followed in order for the communication to be considered as good use of SUTI.

<msg>

The attribute msgType decides in accordance with Flow chart above what type of message (”file”) that is sent. The specification of use is described in document Messages. Please note that msg 8000 shall only contain tours not yet accepted. To send an already accepted tour in msg 8000 shall result in error from client. On the other hand may a non-accepted (rejected) tour be sent many times (until it’s accepted or the Provider decides to treat the tour different.

A tour that is not accepted may also be sent in msg 8010. This is the msg that shall be used when the Provider considers that a reject is false or if the Provider has noted the tour for manual treatment. The process should be handled with restrictions as it normally results in a manual treatment and will therefore be more expensive to handle.

Following considerations should also be noted in msg-element

- idMsg, it holds the ”file-identity.” and should be kept and used in response
- infoTimeStamp shall exists hand shall hold the date of the ”youngest” tour in the msg. E.g. if file is sent daily it keeps the date of all the tours. Tours younger than the date shall be rejected with an error.
- referencesTo, shall hold the same value in an idMsg-element as the idMsg msg that it is a response to (as for other SUTI-msg’s. Please not that as well a 7099-msg as corresponding 8101-msg may hold this value, if the 7099-msg is used.
- account-element is mandatory

<account>
The msg will hold all remaining information in an account-element consisting of 5 elements

- an attribute accounttype, where the value shall be decided by client. Only tours referring to this value of accounttype shall exist in msg.
- none, one or many tours inside the element tour
- the elements orgClient and orgProvider that shall hold necessary information regarding the Client and the Provider. The information shall hold the same type of quality as is requested in an invoicing process.
- a summary of the economic information for all tours presented inside the element economyReportAccounting. The element shall only consist of one element formOfPayment, which can hold several elements of type payment according to following rules

- msgs 8000 and 8010from Provider hold only one payment, that presents the requested total amount. This total shall be the sum of the payment for each tour. If the client finds that this is not true it shall return a msg 7030 Syntax Error instead of a msg 8101.
-the response msg from client 8101, 8111 and 8181 should contain two payment. One payment for the accepted tours and one for the rejected tours
- the msg 8199 contain one payment for each invoice paid

Each payment from provider including an accepted amount shall have an element idEkinfo having a src=”XX:InvoiceId” valu value=”invoiceno of client ” put in relevant information for each accounting. This id (or those id’s) will then also appear in msg 8199. XX is a SUTI-code for the client.

<tour> (tur)

This element is described in detail for each tour by provider while the client may only respond with referenceToTour, statusTour and economyReportTour for a tour. Each tour in a msg from provider shall be present in the response from the client. If not the provider shall send a msg 7030 as a response. (the msg is not presented in the Flow chart but is of course always a possible response option in all communications in SUTI)

The following is true regarding the responsibility to proceed in the invoicing process for a tour in Basic accounting.

- if the tour is rejected or not ready for accounting – provider has the
- if the tour is accepted – only client can revalidate the tour
- if the tour is in the Reconsideration process, i.e. set to validate by client or sent for reconsideration by provider – the responsibility is up to client to either accept or reject.

<reterenceToTour>

This element is mandatory for each tour. Id the tour has been submitted as an order by client it should contain the value of the idOrder that the tour has been sent as from client. The tour must have the value of the idOrder from the providers system. If the tour has been constructed in the providers system the values of the client’s idOrder must be present in suborderTour. The entire accounting is based on the value of the idOrder from the providers system. In case that the tour is constructed in the providers system and an idOrder is not present at start of accounting for a tour the client must add such an idOrder in the response. The combination of those two idOrder values is a unique combination in the accounting process.

It is the responsibility of the client and the provider to store the values of the identity and secure that they are not used in other tours in an accounting communication.

<statusTour>

This element has three elements

1. idActivity, that is an element where src=”SUTI:idActivity” and the only values that must be used is listed in SUTI attribute list for idActivity. Following values (or their corresponding number) can be used
   - invoice set by provider for a non-accepted tour
   - accepted set by client when accounting for a tour is accepted
   - rejected set by client when the accounting for a tour is rejected. The element idError must be present
   - validate set by client when a tour is hold for revalidation
   - revalidated set by client in the Revalidation process

2. idError of type id where src=”SUTI:idError” and any of the existing values in SUTI attribute list for idError can be used

3. manualDescriptionStatus, This is an element that can be used by provider and client to submit text regarding the tour. A possible use is for provider to submit more information in the msg 8010 (reconsideration). The element can used instead of an email-conversation. If it is used it should contain an infoTimeStamp to inform of the date and time the text was entered.

<economyReportTour>

This is the element that contain the economic information regarding the tour. At least one payment must be presented and it shall have the paymenttype with the value =1303 (account). It shall contain at least one vatAmountSpecification stating the value of the value added tax..

<suborderTour>

The recommendation is that the provider shall at least have one suborderTour for each tour. Inside this element the events of the suborder will be found. All information regarding the traveler (or other content) is also found i.e. requisition number and payment for social fee. It will also state the actual values of node-timing.

The addresses and times should always be the actual known from the providers system. The corresponding planned information it is assumed that the client knows from its own ordering system. All node addresses shall contain gps-positioning Only start and stop event must have other address-information regarding streets etc.

If there is an idOrder from client this information must be present.

To get a complete picture of the tour the information regarding the events must be collected from all suborders inside the tour. This mission is the responsibility of the client in order to get this complete picture.

Following events must be present in 8000 or 8010 msg’s.

1. start
   Must include an eventContent. All present information regarding the content shall be present in this node e.g. a requisition number presented in an idContent. Payment of type socialfee shall be included in a payment in economyContent. If the content has other attributes these shall be present in attributeContent. This event will hold actual values of pick-up address and pick-up time in eventAddress and eventTime. In case of several suborders some provider systems may only have one start event present. In such a case the content and start information for other suborders must be found in a passengerinvehicle event
2. stop
   Contains actual delivery information for content. The same procedure as for start is possible. Stop may be replaced by passengerdropped at intermediate events.
3. acceptOrder
   This event contains actual information of the time and position when the driver accepted the tour-mission. In case there are several suborders this event shall either be the same for all suborders or only be present in first suborder

These three events is best placed under eventTour, since they concerns the tour and is not specific to any content.

The provider system shall present all node events that exists without any restrictions. Following are examples of such events.

1. navigation
   In case provider been ordered to have a navigation node.
2. vehicleatnode
   To state when vehicle was on node
3. passengerinvehicle
   Notification of information when a traveler has been registered as present in vehicle.
4. passengerdropped
   Notification of information when traveler is registered as left the vehicle
5. noshow
   To inform that traveler could not be found on pick-up address.

<resourceTour>

Information regarding vehicle and driver information is presented in this element

Regarding the vehicle the following elements shall be present
- idVechicle, this information shall be presented at least once with information regarding the internal number from the provider. However in some accounting other appearances may be necessary e.g. the national number (with src=”NO:idVehicle” (or corresponding with value= national licencenumber) or like in opgjör in Norway where the value of löyvenr must also be present (src ”NO:LöyveNummer”). In AttributesVehicle, should be presented the actual attributes that the provider has assigned the vehicle
- the elements taximeterType and taximeterSoftware should contain actual information regarding the taximeter

Regarding the driver following information shall be presented

- idDriver
- any attributeDriver
- the name of the driver in element name

<calculationTour>

This element consists of one or more elements of type calculationFare, each gives information regarding collected items from the taximeter or from the provider system.
Each calculationFare has a calculationType. Naming and source for this information is set by the provider but must be submitted to the client before first accounting. The client has the responsibility to map this information to useable items inside it system. The client must have accepted a new value before it may appear in an accounting. For each calculationFare there are either a fixed amount (fixedPriceAmount) or a taximeterAmount. For taximeterAmount only values existing on the Nordic market can be presented. The provider shall without restrictions deliver such detailed taximeter information from its Please not that any start or stop information for the taximeter values is not stored in today’s system and cannot be presented

<summaryReportTour>

Used to give information regarding totals for duration and distance for the tour in the elements durationStart och distanceStart.

<eventTour>

There should only be three elements of this type. They hold information on the accept, start and stop of the tour. For furher information about events see general discussion eventSubOrder above.

2.5.2 Direct accounting from client to provider

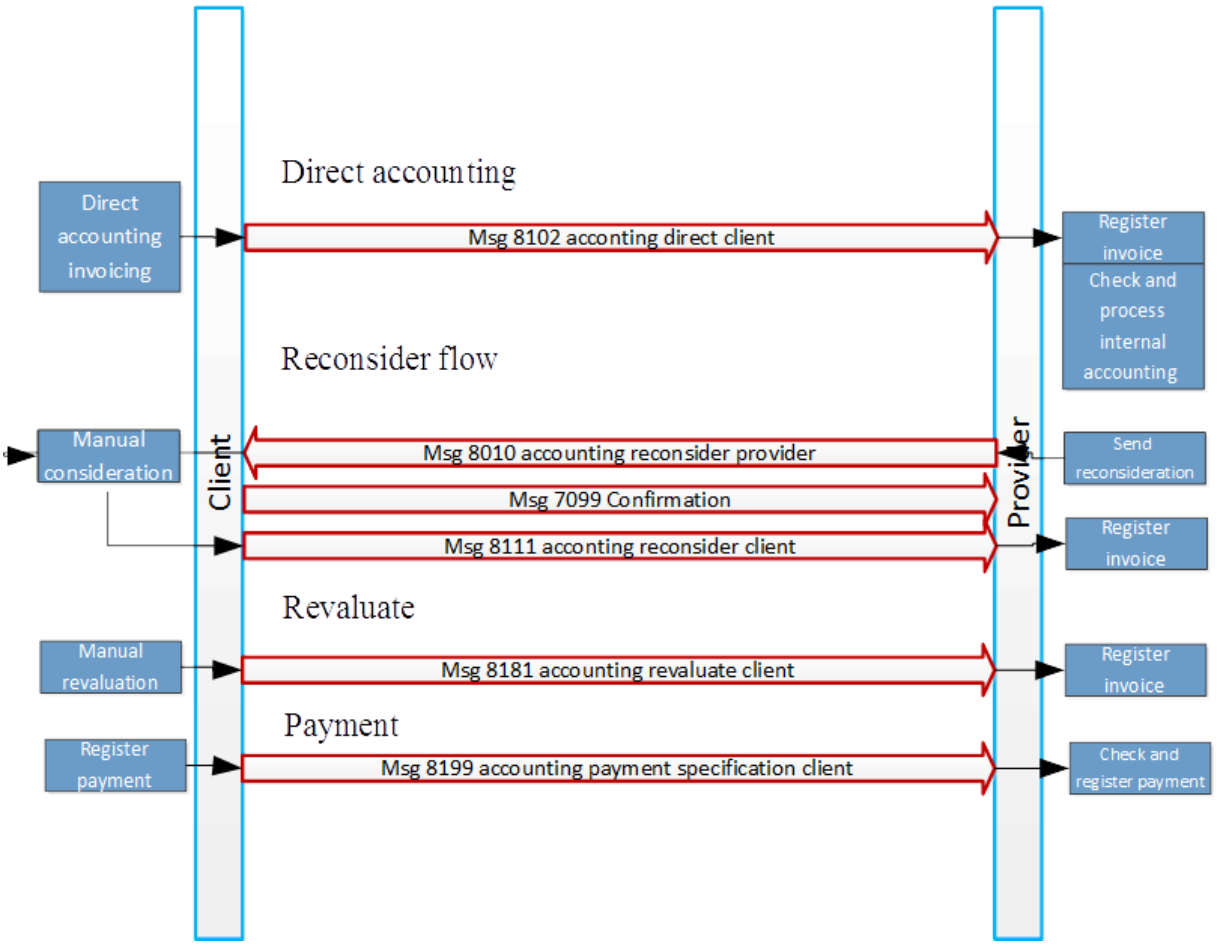
2.5.2.1 General

This accounting will be presented in more detail at launch of first such system. However the process has been designed and shall contain the structure you will find in Flow chart below.

It is based on the situation where the client has already sent information regarding the tour and also economic information in its ordering system. The process is always initiated by client. Normally such a msg 8102 will be a periodically msg containing all tours for a certain time period.

The information content may also differ from what has been described in Basic accounting, since it is based on information inside the client system.

2.5.2.2 Flow chart



3. Use of information elements

Listed in alphabetical order.

3.1 Agreement

3.1.1 General

```
<agreement name="FLINK">
  <idAgreement src="Flygtaxi:AGREEMENT" id="FLYGTAXI" unique="true" />
    <product>
      <idProduct src="Flygtaxi:PRODUCT" id="TAXI" unique="true" />
    </product>
</agreement>
```

If idAgreement must be unique for each connected SUTI-link the source must refer to the complete link Id of this link (flygtaxi_flinksthlm_0001) and the range that contains agreementId at the client (AGREEMENT). But if idAgreement is unique within the Flygtaxi organization it's possible to use the organizations SUTI id (Flygtaxi) and the range that contains agreementId at the client (AGREEMENT).

The same apply to idProducts. If idProducts must be unique for each connected SUTI-link the source must refer to the complete link Id of this link (flygtaxi_flinksthlm_0001) and the range that contains productId at the client (PRODUCT). But if idProducts is unique within the Flygtaxi organization it's possible to use the organizations SUTI id (Flygtaxi) and the range that contains productId at the client (PRODUCT).

3.1.2 Minimum requirements

3.2 idMsg

3.2.1 General

```
<idMsg src="flygtaxi_flinksthlm_0001:MSGID" id="2010081802070189" unique="true" />
```

If idMsg must be unique for each connected SUTI-link the source must refer to the complete link Id of this link (flygtaxi_flinksthlm_0001) and the range that contains messageId at the part that creates and sends the message (MSGID). But if idMsg is unique within the Flygtaxi organization it's possible to use the organizations SUTI id (Flygtaxi) and the range that contains messageId at the part that creates and sends the message (MSGID).

3.2.2 Minimum requirements

3.3 idOrder

3.3.1 General

```
<idOrder src="flygtaxi_flinksthlm_0001:MISSIONID" id="173438" unique="true" />
```

If idOrder must be unique for each connected SUTI-link the source must refer to the complete link Id of this link (flygtaxi_flinksthlm_0001) and the range that contains orderId at the client (MISSIONID). But if idOrder is unique within the Flygtaxi organization it's possible to use the organizations SUTI id (Flygtaxi) and the range that contains orderId at the client (MISSIONID).

3.3.2 Minimum requirements

3.4 infoTimeStamp

3.4.1 General

```
<infoTimeStamp>
                    <time timeAccuracy="1" timeZone="1" time="2010-08-18T08:02:26.29" timeType ="actual"/>
</ infoTimeStamp >
```

infoTimeStamp shall be used to timestamp the information that is sent in the message. It allows the provider for example to send a time with msg 5021 Requested Location telling at which time the location was valid. The timetype used shall be actual as it's the actual time the information was valid.

3.4.2 Minimum requirements

3.5 msgTimeStamp

3.5.1 General

```
<msgTimeStamp>
                <time timeAccuracy="1" timeZone="1" time="2010-08-18T08:02:26.29" timeType ="actual"/>
</ msgTimeStamp >
```

msgTimeStamp shall be used to timestamp the sender's creation of the message. The time type used shall be actual as it's the actual time the message arrived.

3.5.2 Minimum requirements

3.6 orgReceiver

3.6.1 General

```
<orgReceiver name="Stockholm Transfer">
                <idOrg src="SUTI:idLink" id="tsys_flink_0001" unique="true" />
</orgReceiver>
```

The orgReceiver is the part that receives a certain message. This means that both Client and Provider can be orgReceiver depending on the message in question.

3.6.2 Minimum requirements

3.7 orgSender

3.7.1 General

```
<orgSender name="Flink Stockholm">
                <idOrg src="SUTI:idLink" id="flygtaxi_flinksthlm_0001" unique="true" />
</orgSender>
```

The orgSender is the part that sends a certain message. This means that both Client and Provider can be orgSender depending on the message in question.

3.7.2 Minimum requirements

3.8 referencesTo

3.8.1 General

```
<referencesTo>
                <idOrder src="Holmedal_VejbyTaxi_0001:Bookings" id="117691-0" />
                <idOrder src="trapezesoftware_Skånetrafiken_0002:BookingId" id="3872661" />
                <idMsg src="trapezesoftware_Skånetrafiken_0002:MsgId" id="2009082411641113" />
</referencesTo>
```

In a message that is being sent between Client and Provider referencesTo is used to indicate which order and which message that the sent message refers to. It's a very good practice to use both the Clients idOrder and the Providers idOrder and at least the idMsg of the message that is being answered with this message. Another use of references To is to indicate that an order already has been sent to another Provider before it was sent to the Provider that just received it.

3.8.2 Minimum requirements

It is important that all SUTI systems comply with the use of <referencesTo> tag. The documentation for SUTI describes that at least these telegrams must use the tag <referencesTo>:
1020, 1021, 1022, 1023, 1024, 1025, 2000, 2001, 2002, 2003, 2010, 2011, 2012, 2013, 2050, 3xxx, 4xxx, 5xxx, 6xxx

As a minimum, both Provider and Client in SUTI always include these elements in <referencesTo> tagged:

<idOrder>	Reference for Provider SUTI idOrder
<idOrder>	Reference Client SUTI idOrder
<idMsg>	Reference to the idMsg being answered

Has msg2030 (Order Forwarded) been used, one can further refer to <idOrder> from all systems that have received the order.

ReferencesTo tag may include several other elements. Use several elements when there is a need to specify information about the implementing party. Thus, telegrams 3xxx, 4xxx, 5xxx, 6xxx shall contain a reference to the Provider car which carry out the order via <idVehicle> element.

<idVehicle>	Reference for Provider defined idVehicle
<idDriver>	Reference for Provider defined idDriver (tas eventuellt bort som minimum req.

Note that both the Client and Provider must include all references in its communications.

Client system must take note of idOrder and idVehicle from Provider system, and always include it with its own elements of <referencesTo>!

Using elements <idRejectReason> or <idOrderStatus> there must be documentation of the values of the element can contain, and use only the values SUTI specification document.

<idRejectReason>	Use of msg2002 (Order Reject).
<idOrderStatus>	Use of msg2531 (Order Status).

(see, for example, referencesTo_example.xml)

3.9 addressNode

3.9.1 General

The information in an address node is most vital for the operation between The Client and The Provider. The Client has the responsibility to provide the information with such a quality of the information that the Provider can fulfill the order without unnecessary treatment. Generally the Provider should automatically be able to do the following operations:

- Find suitable vehicle
- Allow driver/vehicle with information necessary to carry through without any further information including navigating to an address.

The Provider must have enough information in order to fulfill other obligations such as price setting and route planning etc.

It's the Providers responsibility to check that the information is acceptable. In case the information is not acceptable the provider should always be able to reject the order returning reject reason 2515 addressinfonotsufficient

Below you find the structure of the address node including some good examples.

addressName	Name of company or institution eg "Flygtaxi"
street	Street name eg "Drottningholmsvägen"
streetNo	Street number eg "37"
streetNoLetter	Sub number of a streetnumber eg "A"
location	Name of the city or part of the city eg "Stadshagen"
community	The municipality eg "Stockholms kommun"
postalNo	Postalcode eg "112 42"
country	The country eg "Sverige"
mapPage	Page containing the address in a map eg "123A4"
manualDescriptionAddress	Used to provide a further clarification of an address eg "Våning 1"

3.9.2 Minimum requirements

At least one of either street in combination with streetNo and streetNoLetter or addressName shall be used.

A route description shall always be placed in manualDescriptionAddress, never in any other field.

The fields street, streetNo and streetNoLetter shall be validated against an address database at the Client or an external database like Google or similar. The responsible part is the part that originally enters an address into the Client system or a pre system to the Client system

3.10 geographicLocation

3.10.1 General

Iso standard: ISO 6709:2008

Resolution:

Decimal degrees (55.123459)	Resolution
1	100 km
0.01	1 km
0.001 *	100 m
0.0001 *	10 m
0.00001 *	1 m

*) A resolution of better than 100 meters is preferred, at least three decimals (0.001 decimal degrees).

3.10.2 Minimum requirements

A position must be specified for each address or navigation point so that it can be displayed in map or navigation software for the driver.

The format used shall be WGS-84 with decimal degrees.

<geographicLocation lat="58.39193" long="13.42448" precision="100" typeOfCoordinate="WGS-84" />

4. Technical issues

4.1 Communication

The most efficient way to communicate between Client and Provider is to use two way socket communications where the Provider will be server for communication Client – Provider and the Client will be server for communication Provider – Client.

It is important that the communication between Client and Provider can handle messages that is a part of the SUTI standard but not handled by this particular Client or Provider without error or stop. Instead MSG 7030 or MSG 7031 shall be used to inform the other part that this message is part of the set of SUTI messages that this system handle.

5. Alterations

5.1 Rev 1 2011-06-23

Chapter 3 Msg 6500 and associated messages added.

5.2 Rev 2 2012-03-02

Chapter 2 Use Cases added.
Earlier chapter 2 and 3 moved to chapter 3 Specific Use Cases in detail

5.3 Rev 3 2012-03-16

Section 2.1 Order flow altered. Headers General, Recommended solution, Flow chart and Use of referencesTo has been added.

Order irregularities Client and order irregularities Provider has been altered to Order events Client and Order events Provider.

Sections for Best Practice have been added. These sections have been moved from document SUTI_2012_Messages.doc.

5.4 Rev 4 Version 2013 2012-10-30

Section 2.1.6 to 2.1.9 added.
Section 2.2.4 added.
Section 3.8 extended.
Section 3.9 and 3.10 added.

5.5 Rev 5 Version 2013 2013-03-04

Flow charts added in section 2.

5.6 Rev 6 Version 2013.1 2013-05-29

Chapter 2.3.2 Order alterations has been updated.

5.7 Rev 7 Version 2014.1 2015-01-09

Chapter 2.5 Oppgör added.

5.8 Rev 8 Version 2015-2015-04-13

Alterations moved to end of document.
Chapter 1, Use Cases general Description and Use, added.
Section 5.1 Flagstops moved to 2.3.
Section 5.2 Delivery note and associated messages moved to 2.4
Section 2.5 Accounting added.