DESCRIPTION
OF
SUTI-MESSAGES

TABLE of CONTENT

1 BLOCK 10: DYNAMIC RESOURCE UTILIZATION 5

1.1 MSG 1000: SINGELRESOURCEREQUEST 5
1.2 MSG 1001: AGREEMENTRESOURCESREQUEST 5
1.3 MSG 1002: ALLRESOURCESREQUEST 5
1.4 MSG 1002: ALLRESOURCESREQUEST 5
1.5 MSG 1010: SINGELRESOURCERESPONSE 6
1.6 MSG 1011: AGREEMENTRESOURCERESPONSE 6
1.7 MSG 1012: ALLRESOURCERESPONSE 6
1.8 MSG 1020: RESOURCE LOGIN 7
1.9 MSG 1021: RESOURCE LOGIN CONFIRMATION 7
1.10 MSG 1022: RESOURCE LOGIN REJECT 7
1.11 MSG 1023: RESOURCE LOGOFF 8
1.12 MSG 1024: RESOURCE LOGOFF CONFIRMATION 8
1.13 MSG 1025: RESOURCE LOGOFF REJECT 8
1.14 MSG 1060: RATINGREQUEST 9
1.15 MSG 1061: RATINGRESPONSE 9
1.16 MSG 1062: RATINGRQUESTREJECT 9
1.17 MSG 1100: SINGLEBULKLOCATIONREQUEST 10
1.18 MSG 1101: AGREEMENTBULKLOCATIONREQUEST 10
1.19 MSG 1102: ALLBULKLOCATIONREQUEST 10
1.20 MSG 1110: SINGLEBULKLOCATIONRESPONSE 11
1.21 MSG 1111: AGREEMENTBULKLOCATIONRESPONSE 11
1.22 MSG 1112: ALLBULKLOCATIONRESPONSE 11
1.23 MSG 1500: NODELISTREQUEST 12
1.24 MSG 1501: PRICEREQUEST 12
1.25 MSG 1600: NODELISTRESPONSE 12
1.26 MSG 1601: PRICERESPONSE 12
1.27 MSG 1920 RESOURCE ALLOCATION 13
1.28 MSG 1921 RESOURCE ALLOCATION ACCEPT 13
1.29 MSG 1922 RESOURCE ALLOCATION REJECT 13

2 BLOCK 20: ORDER 14

2.1 MSG 2000: ORDER 14
2.1.1 Intended Use of Msg 2000 14
2.1.1.1 SUTI – msg – order – process 14
2.1.1.2 SUTI – msg – order – resourceOrder 14
2.1.1.3 SUTI – msg – order – route 15
2.1.1.4 SUTI – msg – order – route - node 15
2.1.1.5 SUTI – msg – order – route – node – nodeSeqno 15
2.2 MSG 2001: ORDER CONFIRMATION (ORDER RECEIVED) 16
2.2.1 Intended Use of Msg 2001 16
2.2.1.1 Transferring the responsibility of an order 16
2.3 MSG 2002: ORDER REJECT 17
2.3.1 Intended Use of Msg 2002 Order Reject 17
2.3.1.1 General 17
2.3.1.2 Usage of Msg 2002 17
2.4 MSG 2003: ORDER REJECT CONFIRMATION 18
2.5 MSG 2005: ORDER REJECT REQUEST 18
2.6 MSG 2006: ORDER REJECT REQUEST ACCEPTED 18
2.7 MSG 2007: ORDER REJECT REQUEST REJECT 18
2.8 MSG 2010: ORDER CANCELLATION REQUEST 19
2.9 MSG 2011: ORDER CANCELLATION ACCEPTED 19
2.10 MSG 2012: ORDER CANCELLATION ACCEPTED WITH CONSEQUENCE 20
2.11 MSG 2013: ORDER CANCELLATION REJECT 20
2.12 MSG 2020: NODE CANCELLATION REQUEST 21
2.13 MSG 2021: NODE CANCELLATION ACCEPTED 21
2.14 MSG 2022: NODE CANCELLATION ACCEPTED WITH CONSEQUENCE 22
2.15 MSG 2023: NODE CANCELLATION REJECT 22
2.16 MSG 2030: ORDER FORWARD 23
2.17 MSG 2031: ORDER FORWARDED REJECT 23
2.18 MSG 2032: ORDER FORWARDED RECEIVED 23
2.19 MSG 2040: ORDER LINKED 24
2.20 MSG 2050: ORDER FREEZE 24
2.21 MSG 2060: PROVIDER UPDATE ORDER 24
2.22 MSG 2061: CONFIRMATION PROVIDER UPDATE ORDER 24
2.23 MSG 2100: DRIVERSESSION 25
2.23.1 Intended Use of Msg 2100 25

2.23.1.1 SUTI – msg – driverSession – process 25
2.23.1.2 SUTI – msg – driverSession – resourceOrder 25
2.23.1.3 SUTI – msg – orders 25
2.23.1.4 SUTI – msg – changeLog 25
2.24 MSG 2101: driverSession Confirmation (driverSession received) 26
2.25 MSG 2102: driverSession Reject 26
2.26 Msg 2103: driverSession Reject Confirmation 26
2.27 MSG 2104: driverSession Syncronzation Request 26
2.28 MSG 2105: driverSession Reject Request 27
2.29 MSG 2106: driverSession Reject Request accepted 27
2.30 MSG 2107: driverSession Reject Request reject 27
2.31 MSG 2110: driverSession Cancellation Request 27
2.32 MSG 2111: driverSession Cancellation accepted 27
2.33 MSG 2112: driverSession Cancellation accepted with consequence 27
2.34 MSG 2113: driverSession Cancellation reject 27
2.35 MSG 2530: orderStatusRequest 28
2.36 MSG 2531: orderStatus 28
2.37 MSG 2532: orderStatusReject 28
2.38 MSG 2540: requestforOrdernfo 28
2.39 MSG 2541: orderInfo 28
2.40 MSG 2800: orderTemplate 29
2.41 MSG 2801: orderTemplateconfirmation 29
2.42 MSG 2810: scheduleElementconfirmation 29
2.43 MSG 2900: authorizationRequest 30
2.44 MSG 2901: authorizationAccept 30
2.45 MSG 2902: authorizationReject 30

3 BLOCK 30: DISPATCH 31

3.1 MSG 3000: Request for Dispatch approval 31
3.2 MSG 3001: Dispatch rejected 32
3.3 MSG 3002: Dispatch approval 32
3.4 MSG 3003: Dispatch Confirmation 33
3.5 MSG 3004: Dispatch Approval Interupted 33
3.6 MSG 3013: Dispatch Reservation 34

4 BLOCK 40: TRAFFIC CONTROL 35

4.1 MSG 4000: Request for Traffic Information 35
4.2 MSG 4001: Requested Traffic Information 35
4.3 MSG 4002: Release Vehicle 36
4.4 MSG 4010: Pickup Confirmation 36
4.5 MSG 4011: Pickup Confirmation received (with no complaints) 36
4.6 MSG 4012: Pickup Confirmation received with complaints 36
4.7 MSG 4020: End of Order 37
4.8 MSG 4021: Request for End of Order 37
4.9 MSG 4031: No contact with Vehicle 37

5 BLOCK 50: COMMUNICATION 38

5.1 MSG 5000: Message to Vehicle 38
5.2 MSG 5001: Confirmation Message to Vehicle 38
5.3 MSG 5002: Confirmation Message to Vehicle Read 38
5.4 MSG 5010: Message to Client from Vehicle 39
5.5 MSG 5011: Message to Client from Vehicle confirmation 39
5.6 MSG 5020 Request for Location 40
5.7 MSG 5021 Requested Location 40

6 BLOCK 60: REPORT 41

6.1 MSG 6001: Order Report 41
6.2 MSG 6060: RatingRequest 41
6.3 MSG 6061: RatingResponse 41
6.4 MSG 6062: RatingRquestReject 42
6.5 MSG 6500: deliveryNote 43
6.5.1 Intended Use of Msg 6500 43
6.5.1.1 General 43
6.6 MSG 6501: deliveryNoteAccept 44
6.7 MSG 6502: deliveryNoteReject 44
6.8 MSG 6503: deliveryNoteWait 44
6.8.1 Intended Use of Msg 6503 44
6.8.1.1 General 44
6.9 MSG 6510: deliveryNoteRequest 45

6.10 MSG 6511: DELIVERYNOTEREQUESTREJECT 45
6.11 MSG 6800: REQUESTEDORDERINFORMATION 45
6.12 MSG 6810: REGUESTFORORDERINFORMATION 45

7 BLOCK 70: TECHNICAL CONTROL 46

7.1 MSG 7000 KEEP ALIVE 46
7.2 MSG 7001 KEEP ALIVE CONFIRMATION 46
7.3 MSG 7002 TEMPORARY STOP 47
7.4 MSG 7010 SHUTDOWN SERVICE 47
7.5 MSG 7011 SHUTDOWN SERVICE COMPLETE 47
7.6 MSG 7015 SHUT DOWN FAILURE 48
7.7 MSG 7020 RESTART SERVICE 48
7.8 MSG 7021 RE START 48
7.9 MSG 7030 SYNTAX ERROR 49
7.10 MSG 7031: NOT OPERATIONAL 49
7.11 MSG 7099: CONFIRMATION OF RECEIVED MESSAGE 49

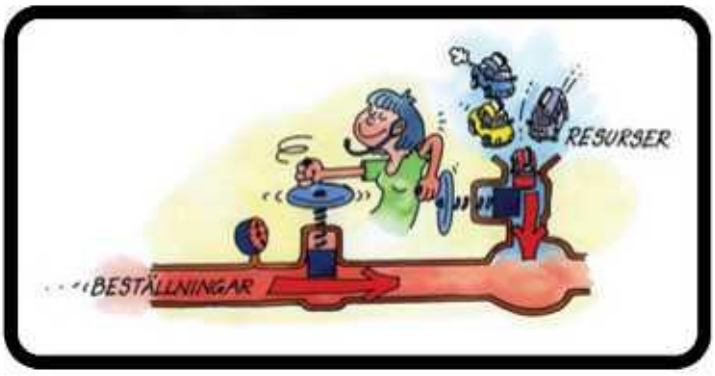
8 ACCOUNTING 50

8.1 MSG 8000 ACCOUNTING BASIC PROVIDER 50
8.2 MSG 8010 ACCOUNTING RECONSIDER PROVIDER 50
8.3 MSG 8101 ACCOUNTING BASIC CLIENT 50
8.4 MSG 8102 ACCOUNTING DIRECT CLIENT 50
8.5 MSG 8111 ACCOUNTING RECONSIDER CLIENT 51
8.6 MSG 8181 ACCOUNTING REVALUATE CLIENT 51
8.7 MSG 8182 ACCOUNTING REVALUATE CLIENT FINES 51
8.8 MSG 8199 ACCOUNTING PAYMENT SPECIFICATION 51

9 ALTERATIONS 52

9.1 VERSION 2.3.0 52
9.2 VERSION 2.4.X 52
9.3 VERSION 2012 52
9.4 VERSION 2013 52
9.5 VERSION 2014 52
9.6 VERSION 2015 52
9.7 VERSION 2016 52
9.8 VERSION 2017 52
9.9 VERSION 2018 52

1 BLOCK 10: DYNAMIC RESOURCE UTILIZATION



The purpose of this block is to provide tools to perform a dynamic alteration of the resources that is agreed upon by the Client and the Provider. It will be possible for the Client or the Provider to offer/request more or less of a resource during a certain period.

1.1 MSG 1000: SingelResourceRequest

Message	MSG 1000: SingelResourceRequest
Description	MSG 1000 is a request for resource regarding one specific vehicle and its driver.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 1010
Responsibility Client	
Provider action	Iimmediately respond MSG 1000 with MSG 1010.

1.2 MSG 1001: AgreementResourcesRequest

Message	MSG 1001: AgreementResourcesRequest
Description	MSG 1001 is a request for all resource in specific agreement (link).
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 1011
Client action	
Provider action	

1.3 MSG 1002: AllResourcesRequest

Message	**1.4 MSG 1002: AllResourcesRequest**
Description	MSG 10012 is a request for all resources at the Provider.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 1012
Client action	
Provider action	

1.5 MSG 1010: SingelResourceResponse

Message	MSG 1010: SingelResourceResponse
Description	MSG 1010 is the response on a MSG 1000 and shall include the requested resource.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	
Client action	
Provider action	Immediately respond MSG 1000 with MSG 1010

1.6 MSG 1011: AgreementResourceResponse

Message	MSG 1011: AgreementResourceResponse
Description	Several MSG 1011 are the response on a MSG 1001 and each msg shall include one of the requested resources.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	
Client action	
Provider action	Immediately respond MSG 1001 with MSG 1011

1.7 MSG 1012: AllResourceResponse

Message	MSG 1012: AllResourceResponse
Description	Several MSG 1012 are the response on a MSG 1002 and each msg shall include one of the requested resources.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	
Client action	
Provider action	Immediately respond MSG 1002 with MSG 1012

1.8 MSG 1020: Resource Login

Message	MSG 1020: Resource Login
Description	MSG 1020 is a login message for an available resource (e.g. a vehicle). At the start of a shift a vehicle can login into the clients system with driverid, vehicle number and optionally a password. The message can also contain the vehicles' configuration and attributes.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 1021, MSG 1022
Client action	• check if the offered resource meets the demands • optionally - check if the supplied password is correct
Provider action	

1.9 MSG 1021: Resource Login Confirmation

Message	MSG 1021: Resource Login Confirmation
Description	MSG 1021 is a positive response to MSG 1020. It indicates that the referred resource complies with the client's demands and is an available resource for the client to use.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	
Provider action	

1.10 MSG 1022: Resource Login Reject

Message	MSG 1022: Resource Login Reject
Description	MSG 1022 is a negative response to MSG 1020. It indicates that the referred resource does not comply with the client's demands or is not needed at the moment. It can also indicate that the MSG 1020 contained an incorrect password.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• inform the Provider the reason of the reject
Provider action	

1.11 MSG 1023: Resource Logoff

Message	MSG 1023: Resource Logoff
Description	MSG 1023 is a logout message for a resource (e.g. a vehicle). The Provider sends this message at the end of a shift and waits for the response from the Client before releasing the vehicle from the shift.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 1024, MSG 1025
Client action	• determine if it's possible to release the resource
Provider action	

1.12 MSG 1024: Resource Logoff Confirmation

Message	MSG 1024: Resource Logoff Confirmation
Description	MSG 1024 is a positive response to MSG 1023. The Client confirms that the resource is no longer available and will not send further orders.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	
Provider action	• remove the resource from the Clients allocated resource

1.13 MSG 1025: Resource Logoff Reject

Message	MSG 1025: Resource Logoff Reject
Description	MSG 1025 is a negative response to MSG 1023. The Client still considers the resource as logged in. For example, the Client still has orders for the resource to perform.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• inform the Provider the reason of the reject
Provider action	• make sure that the resource is still in traffic

1.14 MSG 1060: RatingRequest

Message	MSG 1060: RatingRequest
Description	MSG 1060 is a message that requests Rating (MSG 1061). Note that MSG 6060 in block 1000 is the same message. If used in block 6000 it's a request on a finished order and concern only that specific order. If used in block 1000 it concerns several orders that has been finished. It can also be an average for multiple orders.
Sender	Client/Provider
Receiver	Provider/Client
Response required	NO
Response MSG	-
Client action	
Provider action	

1.15 MSG 1061: RatingResponse

Message	MSG 1061: RatingResponse
Description	MSG 1061 is a message that contains a rating of trips. Note that MSG 6061 in block 6000 is the same message. If used in block 6000 it's a response on a finished order and concern only that specific order. If used in block 1000 it concerns several orders that has been finished. It can also be an average for multiple orders.
Sender	Client/Provider
Receiver	Provider/Client
Response required	NO
Response MSG	-
Client action	
Provider action	

1.16 MSG 1062: RatingRquestReject

Message	MSG 1062: RatingRequestReject
Description	MSG 1062 is a message that contains a reject to answer a request for rating.
Sender	Client/Provider
Receiver	Provider/Client
Response required	NO
Response MSG	-
Client action	
Provider action	

1.17 MSG 1100: SingleBulkLocationRequest

Message	MSG 1100: SingelbulkLocationRequest
Description	MSG 1100 is a request for positions in bulk format. See UC 3.2 for more information. This request is for vehicles relative a specific position
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 1110
Sender action	
Receiver action	

1.18 MSG 1101: AgreementBulkLocationRequest

Message	MSG 1101: AgreementBulkLocationRequest
Description	MSG 1101 is a request for positions in bulk format. See UC 3.2 for more information. This request is for vehicles in specific SUTI link.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 1111
Sender action	
Receiver action	

1.19 MSG 1102: AllBulkLocationRequest

Message	MSG 1102:AllBulkLocationRequest
Description	MSG 1102 is a request for positions in bulk format. See UC 3.2 for more information. This request is for all vehicles.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 1112
Sender action	
Receiver action	

1.20 MSG 1110: SingleBulkLocationResponse

Message	MSG 1110: SingleBulkLocationResponse
Description	MSG 1110 is a request for positions in bulk format. See UC 3.2 for more information. This request is for vehicles relative a specific position
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	
Sender action	
Receiver action	Respond MSG 1110 using locationListType without any delay.

1.21 MSG 1111: AgreementbulkLocationResponse

Message	MSG 1101: AgreementBulkLocationResponse
Description	MSG 1101 is a request for positions in bulk format. See UC 3.2 for more information. This request is for vehicles in specific orders specific order or link.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	
Sender action	
Receiver action	Respond MSG 1111 using locationListType without any delay.

1.22 MSG 1112: AllBulkLocationResponse

Message	MSG 1112: AllBulkLocationResponse
Description	MSG 1112 is a request for positions in bulk format. See UC 3.2 for more information. This request is for all vehicles.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	
Sender action	
Receiver action	Respond MSG 1112 using locationListType without any delay.

1.23 MSG 1500: nodelistRequest

Message	MSG 1500: nodelistRequest
Description	MSG 1500 is a request for information regarding one or many nodes in a order or order template. The message can be sent from both Client and Provider. This message use infoRequest in XSD.
Sender	Client/Provider
Receiver	Provider/Client
Response required	YES
Response MSG	1600
Sender action	• Use correct information in request.
Receiver action	• Respond without any delay.

1.24 MSG 1501: priceRequest

Message	MSG 1501: priceRequest
Description	MSG 1501 is a request for information regarding a price in a order or order template. The message can be sent from both Client and Provider. This message use infoRequest in XSD.
Sender	Client/Provider
Receiver	Provider/Client
Response required	YES
Response MSG	1601
Sender action	• Use correct information in request.
Receiver action	• Respond without any delay.

1.25 MSG 1600: nodeListResponse

Message	MSG 1600: nodeListResponse
Description	MSG 1600 is the response on MSG 1500 nodelistRequest. This message use infoResponse in XSD.
Sender	Client/Provider
Receiver	Provider/Client
Response required	-
Response MSG	-
Sender action	• Respond with correct information without any delay.
Receiver action	• Receive information

1.26 MSG 1601: priceResponse

Message	MSG 1601: nodeList
Description	MSG 1601 is the response on MSG 1501 priceRequest. This message use infoResponse in XSD.
Sender	Client/Provider
Receiver	Provider/Client
Response required	-
Response MSG	-
Sender action	• Respond with correct information without any delay.
Receiver action	• Receive information

1.27 MSG 1920 Resource Allocation

Message	MSG 1920: Resource Allocation
Description	Msg 1920 is used to give the Client the opportunity to ask for a resource without tying up. The answer from the Provider is not binding. A special case is that the Client uses MSG 1920 to inform the Provider that one previously agreed mission will soon begin. In this case no response is needed.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	MSG 1921, MSG 1922
Client action	-
Provider action	-

1.28 MSG 1921 Resource Allocation Accept

Message	MSG 1921: Resource Allocation Accept
Description	Msg 1921 is used to give a positive response upon a MSG 1920 sent by the Client.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	-
Provider action	-

1.29 MSG 1922 Resource Allocation Reject

Message	MSG 1922: Resource Allocation Reject
Description	Msg 1922 is used to give a negative response upon a MSG 1920 sent by the Client.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	-
Provider action	-

2 BLOCK 20: ORDER

The purpose of this block is to provide necessary tools to transfer, confirm and reject an order from the Client to the Provider.

2.1 MSG 2000: Order

Message	MSG 2000: Order
Description	MSG 2000 is sent from the Client to the Provider and transfers all order data from the Client to the Provider. MSG 2000 contains all data that the Provider needs to dispatch proper resource, start, carry out and finish transportation ordered by the Client. MSG 2000 shall refer to an agreement that exists between the Client and the Provider. If the order complies with the referred agreement, the Provider shall accept the order by sending MSG 2001. This indicates to the Client that the Provider has received, unpacked, generated an order in the provider system and checked it against the referred agreement. If the order do not comply with the referred agreement or the Provider don't have the resources to carry out the order, the Provider can reject the order by sending MSG 2002.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 2001 or MSG 2002
Client action	• make the order readable by the Provider • make the order understandable by the Provider • make the order in compliance with the referred agreement • send the order in due time giving the Provider time enough to process the order and dispatch necessary resources • ensure the order contain all needed information to the Provider
Provider action	• ensure the order is received in full • ensure the order is unpacked in full • ensure the order is generated in the provider system in full • make the order in compliance with the referred agreement • immediately respond MSG 2000 with either MSG 2001 if the order is accepted or with MSG 2002 if the order is not in accordance with the referred agreement and therefore rejected.

2.1.1 Intended Use of Msg 2000

2.1.1.1 SUTI – msg – order – process

Process shall be used to provide information about how the Client shall process the order it's included in.

There is a full documentation for this part in the schema (Xsd).

2.1.1.2 SUTI – msg – order – resourceOrder

For an extensive documentation of resources see UC_3.

This tag is used by the Client to inform the Provider about the maximum need for resources at any given time in an order. This information is used by the Provider to evaluate what kind of transportation will be needed to execute this order.

2.1.1.3 SUTI – msg – order – route

This tag contains the different parts of the order. It must contain at least one node.

2.1.1.4 SUTI – msg – order – route - node

This tag contains the node and all information needed. Point is a synonym for node. The node can be one of pickup, destination, navigation or action type. At least one node must be present in an order. If Traffic Control will be used the nodes will be sent one by one or in groups from the Client to the Provider. If the Client doesn't use Traffic Control all the nodes will be sent in the order.

2.1.1.5 SUTI – msg – order – route – node – nodeSeqno

Sequence number of the nodes included in the order. Sequence shall start with the lowest number and continue in rising order to the highest. As long as the sequence goes from the lowest to the highest it's allowed to have values not consecutive to each other. For example 2, 4, 10, 123, 678 are allowed but not 1, 2, 4, and 3.

2.2 MSG 2001: Order Confirmation (Order received)

Message	MSG 2001: Order Confirmation (Order received)
Description	MSG 2001 is sent from the Provider to the Client as a response on a received MSG 2000. It indicates that the order is received, comply with the referred agreement and will be carried out.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• perform necessary updates to indicate that the order is accepted by the Provider • ensure that the order don't get send to another Provider
Provider action	• give the order a identity or booking number • inform the Client about the assigned identity or booking identity.

2.2.1 Intended Use of Msg 2001

2.2.1.1 Transferring the responsibility of an order

After that the Provider has accepted an order by sending a msg 2001 Order Confirmation he has accepted the responsibility and the ownership of the order. After this point the Provider can no longer use msg 2002 Order Reject to inform that he can't finish the order. Instead msg 2005 Order Reject Request shall be used.

2.3 MSG 2002: Order Reject

Message	MSG 2002: Order Reject
Description	MSG 2002 is sent from the Provider to the Client as a response on a received MSG 2000. It's sent by the Provider to indicate that the order is rejected and will not be carried out in the form it was sent. The message contains information about: • the referred agreement • the part of the referred agreement that the order violates • the amount that the order exceed the referred agreement • the attributes that are not in accordance with the referred agreement If the order complies with the referred agreement and the Provider rejects the order, the Provider must indicate the reason for this. MSG 2002 can be sent up to the dispatch is confirmed.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 2003
Client action	• confirm that MSG 2002 is received by sending MSG 2003 • correct the demands for resources to make the order in compliance with referred agreement and send a updated MSG 2000 • refer to another agreement to make the order in compliance with referred agreement and send a updated MSG 2000 • select a new Provider with whom an agreement that accepts the requested recourses exists
Provider action	• inform the Client of what part/parts the order that violated the referred agreement • inform the Client of any other reason that caused the Provider to reject the order • make necessary updates in the provider system to ensure that the order will not be carried out

2.3.1 Intended Use of Msg 2002 Order Reject

2.3.1.1 General

If Msg 2002 Order reject will be used in a link, it's important that Client and Provider in cooperation establish a set of rules that regulates under which circumstances a reject will be acceptable. Some items that shall be included in this set of rules are:

-Accepted reasons to reject an order.
-A timeframe for a rejection. For example a rejection is accepted up to 5 minutes before pickup or a rejection is accepted up to 15 minutes after the acceptance of the order.

2.3.1.2 Usage of Msg 2002

Msg 2002 Order Reject can only be used as a direct answer to a msg 2000 Order. This indicates that the order don't conform to the agreement used in the order and therefore a reason for a rejection.

This message can't be used after that the Provider has accepted the order and taken over the ownership of the order. In this case a msg 2005 Order Reject Request shall be used to request for a rejection.

2.4 MSG 2003: Order Reject Confirmation

Message	MSG 2003: Order Reject Confirmation
Description	MSG 2003 is a confirmation from the Client that MSG 2002 was received as a response of a MSG 2000 due to a violation of the referred agreement. It is up to the Client to adjust the order and send it again or send it to another Provider.
Sender	Client
Receiver	Provider
Response required	OPTIONAL.
Response MSG	MSG 2000
Client action	• ensure that the Provider that rejected the order no longer is registered as the part that will carry out the order
Provider action	

2.5 MSG 2005: Order Reject Request

Message	MSG 2005: Order Reject Request
Description	MSG 2005 is a request for a rejection of an order. It is sent by the Provider to the Client to request to reject an order that has been accepted in an earlier stage.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 2006 or MSG 2007
Client action	• Check if it's possible to make a rejection and if it's possible make necessary updates in the client system to ensure that the order has been rejected by the provider.
Provider action	• Be prepared to receive an answer to the request.

2.6 MSG 2006: Order Reject Request accepted

Message	MSG 2006: Order Reject Request accepted
Description	MSG 2006 is a response of MSG 2005. It is sent by the client to inform the Provider that the request for rejection in MSG 2005 is accepted and will be carried out.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is rejected.
Provider action	• make necessary updates in the provider system to ensure that the order is rejected.

2.7 MSG 2007: Order Reject Request reject

Message	MSG 2007: Order Reject Request reject
Description	MSG 2007 is a response of MSG 2005. It is sent by the Client to inform the Provider that the requested rejection in MSG 2005 is rejected and the order shall be carried out by the Provider.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is not rejected and will be carried out by the Provider.
Provider action	• make necessary updates in the provider system to ensure that the order will be carried out.

2.8 MSG 2010: Order Cancellation Request

Message	MSG 2010: Order Cancellation
Description	MSG 2010 is a request from the Client to cancel a previously sent and accepted MSG 2000. The Provider is expected to try to cancel the order as a consequence of this message. This action can generate three cases that shall be responded with different messages. The 3 cases are: • the Provider is able to cancel the order without any consequences. The Provider cancel the order and confirm this with MSG 2011 • the Provider is able to cancel the order but not without consequence. The Provider cancel the order and confirm this with MSG 2012 • the Provider is unable to cancel the order. The Provider rejects the cancellation and confirm this with MSG 2013
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 2011, MSG 2012 or MSG 2013
Client action	• ensure that the order id of the order in the cancellation request is correct
Provider action	• immediately process the cancellation request • if cancellation is possible ensure that the cancellation is carried out • inform the client that cancellation is carried out without consequence by sending MSG 2011 • inform the client that cancellation is carried out with consequence by sending MSG 2011 or MSG 2012 • if cancellation is impossible ensure that the Client is informed about this with reason why it was impossible by sending MSG 2013

2.9 MSG 2011: Order Cancellation accepted

Message	MSG 2011: Order Cancellation accepted
Description	MSG 2011 is a response of MSG 2010. It is sent by the Provider to inform the Client that the cancellation in MSG 2010 is accepted and will be carried out without further consequences.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is cancelled.
Provider action	• make necessary updates in the provider system to ensure that the order is cancelled and will not be carried out without further consequence.

2.10 MSG 2012: Order Cancellation accepted with consequence

Message	MSG 2012: Order Cancellation accepted with consequence
Description	MSG 2012 is a response of MSG 2010. It is sent by the Provider to inform the Client that the cancellation in MSG 2010 is accepted and will be carried out with consequences for example invoicing of used resources.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is cancelled with consequences.
Provider action	• make necessary updates in the provider system to ensure that the order is cancelled and will not be carried out with further consequence.

2.11 MSG 2013: Order Cancellation reject

Message	MSG 2013: Order Cancellation reject
Description	MSG 2013 is a response of MSG 2010. It is sent by the Provider to inform the Client that the cancellation in MSG 2010 is rejected and the order will be completed.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is not cancelled and will be completed.
Provider action	• make necessary updates in the provider system to indicate the request for cancellation and the reason for not accept the request.

2.12 MSG 2020: Node Cancellation Request

Message	MSG 2020: Node Cancellation Request
Description	MSG 2020 is a request from the Client to cancel a previously sent node in an accepted MSG 2000. The Provider is expected to try to cancel the order as a consequence of this message. This action can generate three cases that shall be responded with different messages. The 3 cases are: • the Provider is able to cancel the order without any consequences. The Provider cancel the order and confirm this with MSG 2011 • the Provider is able to cancel the order but not without consequence. The Provider cancel the order and confirm this with MSG 2012 • the Provider is unable to cancel the order. The Provider rejects the cancellation and confirm this with MSG 2013
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 2011, MSG 2012 or MSG 2013
Client action	• ensure that the order id of the order in the cancellation request is correct
Provider action	• immediately process the cancellation request • if cancellation is possible ensure that the cancellation is carried out • inform the client that cancellation is carried out without consequence by sending MSG 2011. • inform the client that cancellation is carried out with consequence by sending MSG 2011 or MSG 2012 • if cancellation is impossible ensure that the Client is informed about this with reason why it was impossible by sending MSG 2013

2.13 MSG 2021: Node Cancellation accepted

Message	MSG 2021: Order Cancellation accepted
Description	MSG 2021 is a response of MSG 2020. It is sent by the Provider to inform the Client that the cancellation in MSG 2020 is accepted and will be carried out without further consequences.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is cancelled.
Provider action	• make necessary updates in the provider system to ensure that the order is cancelled and will not be carried out without further consequence.

2.14 MSG 2022: Node Cancellation accepted with consequence

Message	MSG 2022: Order Cancellation accepted with consequence
Description	MSG 2022 is a response of MSG 2020. It is sent by the Provider to inform the Client that the cancellation in MSG 2020 is accepted and will be carried out with consequences for example invoicing of used resources.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is cancelled with consequences.
Provider action	• make necessary updates in the provider system to ensure that the order is cancelled and will not be carried out with further consequence.

2.15 MSG 2023: Node Cancellation reject

Message	MSG 2023: Order Cancellation reject
Description	MSG 2023 is a response of MSG 2020. It is sent by the Provider to inform the Client that the cancellation in MSG 2020 is rejected and the order will be completed.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• make necessary updates in the client system to ensure that the order is not cancelled and will be completed.
Provider action	• make necessary updates in the provider system to indicate the request for cancellation and the reason for not accept the request.

2.16 MSG 2030: Order forward

Message	MSG 2030: Order forward request
Description	Information from the Provider to the Client that the order will be completed by a third party for example a subcontractor to the Provider. The Provider is still responsible for the order and that the order will be completed in accordance with the agreement between the Client and The Provider.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 2031, MSG 2032
Client action	• Immediately check if this request can be accepted and that an agreement exists between the Client and the third party and that this agreement includes forwarding of orders. • Immediately inform the Provider that the Client rejects the request by sending MSG 2031 • Immediately inform the Provider that the Client accepts the request by sending MSG 2032. • make necessary updates in the client system to register that the order has been forwarded to a third party and the identity of this third party.
Provider action	• give the client complete information about the third party. • Make sure the third party has an existing agreement with the Client and that both the agreement between the Client and the provider and between the Client and the third party allow forwarding. • Make sure that everything needed is done to make sure that the order is completed.

2.17 MSG 2031: Order forwarded reject

Message	MSG 2031: Order forwarded reject
Description	MSG 2031 is a response of MSG 2030. It is a rejection of the request about forwarding to a third party in MASG 2030. The Provider has 2 options, accept the order and complete it without forwarding it or reject the order by sending MSG 2002.
Sender	Client
Receiver	Provider
Response required	OPTIONAL
Response MSG	MSG 2002
Client action	• make necessary updates in the client system to register that the client and not the third party is registered on this order.
Provider action	• complete the order • if completion is not possible without the rejected forwarding inform the Client by rejecting the order (MSG2002).

2.18 MSG 2032: Order forwarded received

Message	MSG 2032: Order forwarded received
Description	MSG 2032 is sent by the Client to accept the forwarding of this order to a third party. The Client has the option to contact the third party directly or let the Provider contact the third party.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• Make necessary updates in the client system to register that the order has been forwarded to a third party and the identity of this third party.
Provider action	• Be responsible for the completion of the order by the third party. • Be responsible for information concerning the order is being sent to the Client. • Be responsible for economical and invoicing information concerning the order is being sent to the Client.

2.19 MSG 2040: Order Linked

Message	MSG 2040: Order Linked
Description	MSG 2040 is sent by the Provider to inform the Client that a number of orders have been put together in one new order and will be completed as one order. The Client can use this linked order id as reference if alteration or cancellations are needed in the future. If one of the included orders (suborder) need to be changed or cancelled the Client can use the suborders id. If the alteration or cancellation includes all the included orders the Client use the linked order id. The client has the option to send create and send this linked order as a new order to the Provider as a new order.
Sender	Provider
Receiver	Client
Response required	VALFRITT
Response MSG	MSG 2000.
Client action	• Receive and make necessary updates in the client system to register the new order. • If necessary create and send the new order to the Provider for confirmation.
Provider action	• Immediately send information about a linked order to the Client. • If the Client answers with a new MSG 2000 containing the linked order the Provider shall confirm this order.

2.20 MSG 2050: Order Freeze

Message	MSG 2050: Order Freeze
Description	MSG 2050 is sent by the Provider to inform the Client that no alterations of this order will be accepted.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• Receive and make necessary steps to comply.
Provider action	-

2.21 MSG 2060: Provider Update Order

Message	MSG 2060: Provider Update Order
Description	Msg 2060 is used by the Provider to inform the Client of alterations made by the provider or the traveler. The alteration are mainly a stating of a fact like the traveler will not be travelling or the traveler will be traveling at a different time or from a different address or the traveler has altered the content. The use of Msg 2060 must be initiated by setting orderAlteration in Process to TRUE. The use of msg 2060 must be approved by Client. If the Client has approved the use of msg 206, the Client has no right to refuse a msg 2060.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 2060
Client action	• Receive and make necessary steps to comply.
Provider action	-

2.22 MSG 2061: Confirmation Provider Update Order

Message	MSG 2061: Confirmation Provider Update Order
Description	Msg 2061 informs the provider that msg 2060 has been received and information is updated according to msg 2060.
Sender	Client
Receiver	Provider
Response required	-
Response MSG	-
Client action	• Receive and make necessary steps to comply.
Provider action	-

2.23 MSG 2100: driverSession

The driverSession is a type of order that can be built by simple orders (base orders with no suborders). The base orders can be submitted to provider all at once or successively during a whole session. Such a session is defined to be the same vehicle and the same driver in a continuous session in time. If there is a break in work for a session such work-break orders must be part of the orderflow. The sessions is only ended by a msg 4020 from the client.

It is the responsibility of the provider how to communicate with the vehicle. The provider may “keep” parts of the driverSession hidden from vehicle and only release in a matter that suits each provider best.

Message	MSG 2100: driverSession
Description	MSG 2100 is sent from the Client to the Provider and transfers all order data from the Client to the Provider. MSG 2000 contains all data that the Provider needs to dispatch proper resource, start, carry out and finish transportation ordered by the Client. MSG 2000 shall refer to an agreement that exists between the Client and the Provider. If the order complies with the referred agreement, the Provider shall accept the driverSession by sending MSG 2101. This indicates to the Client that the Provider has received, unpacked, generated a driverSession in the provider system and checked it against the referred agreement. If the order do not comply with the referred agreement or the Provider don’t have the resources to carry out the driverSession, the Provider can reject the driverSession by sending MSG 2102.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 2101 or MSG 2102
Client action	• make the driverSession readable by the Provider • make the driverSession understandable by the Provider • make the driverSession in compliance with the referred agreement • send the orders inside the driverSession in due time giving the Provider time enough to process the orders • ensure the driverSession contain all needed information to the Provider
Provider action	• ensure the driverSession is received in full • ensure the driverSession is unpacked in full • ensure the driverSession is generated in the provider system in full • make the driverSession in compliance with the referred agreement • immediately respond MSG 2100 with either MSG 2101 if the order is accepted or with MSG 2102 if the driverSession is not in accordance with the referred agreement and therefore rejected.

2.23.1 Intended Use of Msg 2100

2.23.1.1 SUTI – msg – driverSession – process

Is the same as for normal orders. Look in msg 2000.

2.23.1.2 SUTI – msg – driverSession – resourceOrder

This tag is used by the Client to inform the Provider about the maximum need for resources at any given time for the session. This information is used by the Provider to evaluate what kind of transportation will be needed to execute this order. Once the vehicle is accepted and msg 3003 is sent from provider, the provider can reject any updates that violates the resource restrictions of the chosen vehicle.

2.23.1.3 SUTI – msg – orders

This tag contains the different base orders of the session. The entire nodeList of the session consists of all the nodes of all active orders.

2.23.1.4 SUTI – msg – changeLog

This tag describes the instructions from client how to handle the orders for any driverSession. The changelog has many log. Each log has two different information types.

The first is tags describing the idOrder of the client (and in changes after an order is first added also the idOrder of the provider)

The second is a change attribute that can hold the values added, updated, cancelled or moved. It is an instruction from client how to handle the order. It means that the provider shall either add, update, cancel or remove an order from the session.

If a sessionOrder is cancelled it can never be referred to with the same id's. A removed order may be referred to again in another or in the same session at a later update of sessions. In such a case the add will contain the idOrder from the provider.

A sessionOrder that has been moved and is not referred to by another session cannot be performed and may be taken away by the providersystem after a time on-hold. It is likely that another provider has performed such an order.

2.24 MSG 2101: driverSession Confirmation (driverSession received)

From msg 2101 and the rest of 21xx messages are identical with the correspondent 20xx messages for its use. Thus for these messages only differences to correspondent 20xx message are described. For the use therefore check the correspondent 20xx-msg.

They are not identical in format as they contain some additional information as compared to the 20xx- messages.

Most vital is the use of nodeList (sessionNodes). Each sessionNode has as many sessionNode as there are active nodes for the session. The sorting of sessionNodes is the sequence in which the provider has calculated to perform the nodes.

The sessionNode contains two different information elements

The first is two idOrder. These shall contain the idOrder of both client and provider. The client is obliged to store the idOrder of the provider for each order and use this information in subsequent changes of the driverSession (see msg 2100 above).

The second is one of the nodes of that order. The only critical information to be sent here is the attributes nodeSeqNo and nodeType and the timesNode-tag with most recent timeinformation (last estimated time).

2.25 MSG 2102: driverSession Reject

See msg 2101 and 2002 for information.

Please observe!

Both 2101 and 2102 are immediate answers to a 2100. Once the 2100 request has been understood by the provider, the provider shall send either 2101 or 2102. The client has every right to expect either within a few seconds after submitting a 2100.

For a session the msg 2102 has a different meaning depending on the nature of the 2100.

In case it is the answer to first 2100 for an idDriverSession it means that the session request is outside the agreement and no information of the session is stored by provider.

If it is an answer to a 2100, after a 2100 with the same idDriverSession has been accepted, it only means that the changes is not accepted. In such a case the provider shall return last accepted sessionNodes.

After a driverSession has been accepted by the provider using a msg 2101 a reject using msg 2102 is not possible at any time. Such a procedure shall start with msg 2105 requesting the reject.

2.26 Msg 2103: driverSession Reject Confirmation

See msg 2101 and 2003 for information.

2.27 MSG 2104: driverSession Syncronzation Request

The message is a suggestion for a message where the provider can ask for a new complete 2100 for an existing

driverSession from client, in order to synchronize the information.

Corresponding message does not exist for order, i.e. no 2004 exists. Before adding any or both msg to standard there will be a discussion in the SUTI seminar autumn 2017.

2.28 MSG 2105: driverSession Reject Request

See msg 2101 and 2005 for information.

2.29 MSG 2106: driverSession Reject Request accepted

See msg 2101 and 2006 for information.

2.30 MSG 2107: driverSession Reject Request reject

See msg 2101 and 2007 for information.

2.31 MSG 2110: driverSession Cancellation Request

See msg 2101 and 2010 for information.

Please observe!

This message cannot be sent after a 3003 msg. It can only be sent before that. A started driverSession must be ended by a 4020 msg. Before that happens any not fulfilled orders must be either moved or cancelled from the driverSession

2.32 MSG 2111: driverSession Cancellation accepted

See msg 2101 and 2011 for information.

2.33 MSG 2112: driverSession Cancellation accepted with consequence

See msg 2101 and 2012 for information.

Please observe!
This message is only for the true correspondence between 20xx and 21xx. There is no current situation known where this message can appear.

2.34 MSG 2113: driverSession Cancellation reject

See msg 2101 and 2013 for information.

2.35 MSG 2530: orderStatusRequest

Message	MSG 2530: orderStatusRequest
Description	MSG 2530 is sent by the Client to the Provider to request status information for a specific order.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 2531 or 2532
Client action	-
Provider action	• Receive and make necessary steps to provide the requested information in a MSG 2531. • If no information is available inform the Client about this fact in a MSG 2532.

2.36 MSG 2531: orderStatus

Message	MSG 2531: orderStatus (former MSG 6000)
Description	MSG 2531 is sent by the Provider to the Client as an answer to a 2530 orderStatusRequest. This message shall be used if there is available information about the order in question. MSG 2531 shall be used in Repetetive orders to inform Client that orders are missing.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 2800 if MSG 2531 is used in Repetetive Orders.
Client action	• Receive answer from provider.
Provider action	• Send requested information about the order in question.

2.37 MSG 2532: orderStatusReject

Message	MSG 2532: orderStatusReject
Description	MSG 2532 is sent by the Provider to the Client as an answer to a 2530 orderStatusRequest. This message shall be used if there is no available information about the order in question.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	-
Client action	• Receive answer from provider.
Provider action	• Send requested information about the order in question.

2.38 MSG 2540: requestforOrdernfo

Message	MSG 2540: requestforOrderinfo
Description	MSG 2540 is used to request information about a certain order. MSG 2540 can be sent both by the Client and by the Provider: MSG 2540 shall be answered by MSG 2541.
Sender	Client, Provider
Receiver	Client, Provider
Response required	YES
Response MSG	2541
Action	• Receive request and respond without delay

2.39 MSG 2541: orderInfo

Message	MSG 2541:orderInfo
Description	MSG 2541 is the response to a MSG 2540.
Sender	Client, Provider
Receiver	Client, Provider
Response required	-
Response MSG	-

2.40 MSG 2800: orderTemplate

Message	MSG 2800: orderTemplate
Description	MSG 2800 is sent by the Client to the Provider in Repetetive Orders.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	2801
Client action	• make the template readable by the Provider • make the template understandable by the Provider • make the template in compliance with the referred agreement • send the template in due time giving the Provider time enough to process the order and dispatch necessary resources • ensure the template contain all needed information to the Provider
Provider action	• ensure the template is received in full • ensure the template is unpacked in full • ensure the template is generated in the provider system in full • make the template in compliance with the referred agreement • immediately respond MSG 2800 with either MSG 2801.

2.41 MSG 2801: orderTemplateconfirmation

Message	MSG 2801: orderTemplateconfirmation
Description	MSG 2801 is sent by the Provider to the Client as a response of a MSG 2800 in Repetetive Orders.
Sender	Provider
Receiver	Client
Response required	-
Response MSG	-
Client action	• perform necessary updates to indicate that the template is accepted by the Provider • ensure that the template don't get send to another Provider
Provider action	• give the template a identity. • inform the Client about the assigned identity of the template.

2.42 MSG 2810: scheduleElementconfirmation

Message	MSG 2810: scheduleElementconfirmation
Description	MSG 2810 is sent by the Provider to the Client to inform about orderID on orders created from a template.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	7099
Client action	• Make sure orderID are updated in database • Answer with MSG 7099 without delay.
Provider action	• Make sure information that is sent is correct • Receive MSG 7099

2.43 MSG 2900: authorizationRequest

Message	MSG 2900: authorizationRequest
Description	MSG 2900 is sent by the Provider to request the Client authorization to start a new order or transport a passenger within a certain agreement. Can also be used to validate a certain card or other form of payment used by the passenger.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	2901 or 2902
Client action	• Receive message and reply with either accept or reject..
Provider action	

2.44 MSG 2901: authorizationAccept

Message	MSG 2901: authorizationAccept
Description	MSG 2901 is sent by the Client as an accept of the request for authorization sent by the provider.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	-
Provider action	• Receive and make necessary steps to comply.

2.45 MSG 2902: authorizationReject

Message	authorizationReject
Description	MSG 2050 is sent by the Provider to inform the Client that no alterations of this order will be accepted.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	-
Provider action	• Receive and make necessary steps to comply.

3 BLOCK 30: DISPATCH

This block is used to allocate a vehicle to an order.

3.1 MSG 3000: Request for Dispatch approval

Message	MSG 3000: Request for Dispatch approval
Description	Used to let the Provider suggest a vehicle to the Client for a specific order or the demand on the vehicle can change in the time between the order is sent and the order shall be dispatched. MSG 3000 is sent after the provider system has found a suitable vehicle to the order. The base for the selection of the suggested vehicle is the resource demands included in the order (MSG 2000). MSG 3000 shall contain a description of the suggested vehicle.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 3001, MSG 3002
Client action	• Immediately check that the suggested vehicle meets the demands requested in the order. • Immediately inform the Provider that the suggested vehicle is accepted by sending MSG 3002. • Immediately inform the Provider that the suggested vehicle is rejected by sending MSG 3003.
Provider action	• Suggest a vehicle that fulfils the resource demands that included in the order MSG 2000. • Include a complete description of the suggested vehicle.

3.2 MSG 3001: Dispatch rejected

Message	MSG 3001: Dispatch rejected
Description	The Client use MSG 3001 to inform the Provider that the suggested vehicle has been rejected and don't meet either the resource demands in the order (MSG 2000) or meet the new altered resource demands. In both cases the Client shall inform the Provider what part of the resource demands that the suggested vehicle didn't meet. The Client has the option to send a new set of resource demands to inform the Provider that the resource demands has been altered since the order was sent. The Provider receives this information and suggests a new vehicle by sending a new MSG 3000. The Provider also checks altered resource demands against the referred agreement to confirm that the altered resource demands are within the agreement. If the altered resource demands are not within the referred agreement the provider will answer with a MSG 2002. This procedure will be repeated until either the Client accepts the suggested vehicle either the order is sent to another Provider with a suitable agreement or the order is cancelled.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 3000 if new demands are within agreement. In other cases the answer should be MSG 2002.
Client action	• Immediately inform the Provider that the suggested vehicle don't meet the resource demands for this order. • If needed inform the Provider of the new demands for the order.
Provider action	• By sending a new MSG 3000 either suggest a new vehicle that meet the earlier resource demands or suggest a vehicle that meet the new demands that has been transferred. • If the new demands are different from the original demands in MSG 2000 check if they comply with the referred agreement in MSG 2000. • If the new resource demands don't comply with the referred agreement in MSG 2000 inform the Client by sending MSG 2002.

3.3 MSG 3002: Dispatch approval

Message	MSG 3002: Dispatch approval
Description	The Client use MSG 3001 to inform the Provider that the suggested vehicle has been accepted. The Provider shall respond with either MSG 3003 to inform the Client that the suggested vehicle accepts the order or with a new MSG 3000 if the suggested vehicle rejects the order or has been dispatched with another order.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 3003, MSG 3000
Client action	• Immediately inform the provider that the suggested vehicle is accepted.
Provider action	• Immediately check that the suggested vehicle still is available. • Immediately send the order to the suggested vehicle. • Immediately process the vehicles answer. • If the vehicle accepts the order immediately inform the Client that the vehicle accepted by sending MSG 3003. • If the vehicle don't accepts the order immediately inform the Client that the vehicle accepted by sending MSG 3000 with a new suggestion.

3.4 MSG 3003: Dispatch Confirmation

Message	MSG 3003: Dispatch Confirmation
Description	The Provider use MSG 3003 as an answer on MSG 3002 to inform the Client that the suggested and accepted vehicle accepted the order and will perform the order. If a vehicle that has accepted the order is rendered incapable to perform this order a new MSG 3000 shall be sent.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• Make necessary updates in the client system to register that the order is accepted and the vehicle that accepted the order. • Be prepared to immediately answer any forthcoming messages that the Provider or the vehicle need to perform the order
Provider action	• Make necessary updates in the provider system to register the vehicle that accepted the order. • Be prepared to immediately receive any message from the vehicle and forward these messages to the Client. • Be prepared to immediately receive any message from the Client and forward these messages to the vehicle.

3.5 MSG 3004: Dispatch Approval Interupted

Message	MSG 3004: Dispatch approval interrupted
Description	The Provider use MSG 3004 as an answer on MSG 3002 to inform the Client that the suggested and accepted vehicle has not accepted the order and will not perform the order. If a vehicle that has accepted the order is rendered incapable to perform this order a new MSG 3000 shall be sent.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• Make necessary updates in the client system to register that the order is not accepted and the vehicle has not accepted the order. • Be prepared to immediately answer any forthcoming messages that the Provider or the vehicle need to perform the order
Provider action	• Make necessary updates in the provider system to register the vehicle that accepted the order. • Be prepared to immediately receive any message from the vehicle and forward these messages to the Client. • Be prepared to immediately receive any message from the Client and forward these messages to the vehicle.

3.6 MSG 3013: Dispatch Reservation

Message	MSG 3013: Dispatch Reservation
Description	The Provider use MSG 3013 as an answer on MSG 2000 to inform the Client that the suggested vehicle will perform the order. If a vehicle that has accepted the order is rendered incapable to perform this order a new MSG 3013 shall be sent.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• Make necessary updates in the client system to register that the order is accepted and a vehicle is reserved. • Be prepared to immediately answer any forthcoming messages that the Provider or the vehicle need to perform the order
Provider action	• Make necessary updates in the provider system to register the vehicle that accepted the order. • Be prepared to immediately receive any message from the vehicle and forward these messages to the Client. • Be prepared to immediately receive any message from the Client and forward these messages to the vehicle.

4 BLOCK 40: TRAFFIC CONTROL

This block is used for dynamic control of resources. For example, in route planning of multiple tasks or linking to the several missions.

4.1 MSG 4000: Request for Traffic Information

Message	MSG 4000: Request for Traffic Information
Description	MSG 4000 is sent from the Provider/vehicle to the Client as a request for information about an ongoing order. For example a vehicle requests the next pickup point or requests traffic information.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 4001, MSG 4002, MSG 4020, MSG 7031
Client action	• Immediately answer the request for information by sending MSG 4001. • If no more pickups are included in the order, i.e. the order is concluded, send MSG 4020 to end the order. • If the order is ongoing but no more information is available for the moment, inform the provider about this by sending MSG 4001. • If the order already is ended inform the Provider about this by sending MSG 4002. • If the request isn't applicable inform the Provider about this by sending MSG 7031.
Provider action	• Immediately forward the request from the vehicle to the Client.

4.2 MSG 4001: Requested Traffic Information

Message	MSG 4001: Requested Traffic Information
Description	MSG 4001 is sent from the Client to the Provider in response of a MSG 4000. MSG 4001 contains the requested information, alternative information or telling that no information available for the moment. MSG 4001 can be sent without a requesting MSG 4000. In some route planning system this message can substitute earlier send "node".
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	
Provider action	• Immediately forward the response to the vehicle that requested the information.

4.3 MSG 4002: Release Vehicle

Message	MSG 4002: Release Vehicle
Description	MSG 4002 is sent from the Client to the Provider in response of a MSG 4000 from the provider/vehicle and if the provider/vehicle doesn't has any ongoing orders for the moment. Give the Provider information that one of the vehicles in the Providers fleet in some way is registered as performing an order for the Client. The correct response to this is that the Provider releases the vehicle from the order.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	
Provider action	• Immediately release the vehicle in question.

4.4 MSG 4010: Pickup Confirmation

Message	MSG 4010: Pickup Confirmation
Description	MSG 4010 is sent from the Provider to the Client to indicate a vehicle has performed a pickup or other action in an ongoing order. This can indicate that a passenger is in the vehicle (Pick up) or that no passenger showed (No Show). The Client is not expected to answer this message.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	• Make necessary updates in the client system to register that the transferred information.
Provider action	• Immediately forward the information if it originates from the vehicle performing this order.

4.5 MSG 4011: Pickup Confirmation received (with no complaints)

Message	MSG 4011: Pickup Confirmation Received
Description	MSG 4011 is sent from the Client to the Provider to indicate receipt of a msg 4010
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	-
Client action	• Make necessary updates in the client system to register that the transferred information.
Provider action	None

4.6 MSG 4012: Pickup Confirmation received with complaints

Message	MSG 4012: Pickup Confirmation Received with complaints
Description	MSG 4012 is sent from the Client to the Provider to indicate a vehicle hasn't fulfilled all requirements for at pickup or other action in an ongoing order. **This message shall always contain an explanation why the message 4010 has been rejected**. The Provider shall answer with a new message 4010 within the set rules.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	-
Client action	• Make necessary updates in the client system to register that the transferred information.
Provider action	• Immediately inform the driver and include the explanation why message 4010 was rejected.

4.7 MSG 4020: End of Order

Message	MSG 4020: End of Order
Description	MSG 4001 is sent from the Client to the Provider in response of a MSG 4000. MSG 4020 shows that the order is ended. It can contain economical information and/or instruction about how to end the order. This message is the end of this order. The Provider isn't expected to answer MSG 4020. But it is possible that this message starts sending of MSG 6000 Order Report if such a message shall be sent.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	A message in Bloch 60 if report block is used.
Client action	• Make necessary updates in the client system to register that the order is ended. • Include information necessary to end the order according to agreement and facilitate invoicing according to agreement.
Provider action	• Immediately make necessary updates to indicate the order has ended. • In the vehicle performing the order make necessary updates of the order and the data that the order has resulted in.

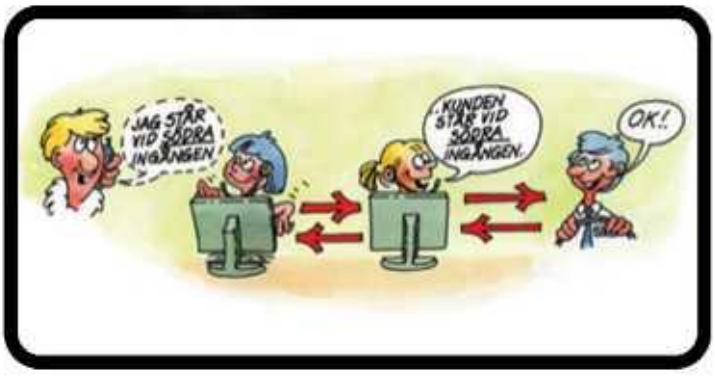
4.8 MSG 4021: Request for End of Order

Message	MSG 4021: Request for End of Order
Description	Message 4021 is sent by the Provider when Provider have not received message 4020 to request message 4020.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	A message 4020 or a message 4011 to explain why 4020 hasn't been sent.
Client action	• Make sure an answer is sent promptly including the requested information or an explanation why the information can't be sent..
Provider action	• Immediately start waiting for answer.

4.9 MSG 4031: No contact with Vehicle

Message	MSG 4031: No contact with Vehicle
Description	MSG 4031 is sent from the Provider to the Client to indicate to indicate that the Provider don't have any contact with the performing vehicle for the moment.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	
Provider action	• Immediately inform the Clint that communication is missing with the performing vehicle.

5 BLOCK 50: COMMUNICATION



This block is used to provide tools for communication between the Client and the Provider and between the Client and a Vehicle connected to the Provider.

5.1 MSG 5000: Message to Vehicle

Message	MSG 5000: Message to Vehicle
Description	MSG 5000 is sent from the Client to the Provider to inform the Provider that the Client wishes to send a message to a vehicle connected to the Provider. The Client can request a read confirmation from the vehicle.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 5001, MSG 5002, MSG 4031
Client action	
Provider action	• Immediately send the message to the requested vehicle. • Immediately inform the Client that the message is forwarded by sending MSG 5001. • Immediately inform the Client that the message has been read by sending MSG 5002 if requested.

5.2 MSG 5001: Confirmation Message to Vehicle

Message	MSG 5001: Confirmation Message to Vehicle
Description	MSG 5001 is sent from the Provider to the Client to indicate that MSG 5000 has been received and is sent to vehicle. If the Provider can't communicate with the vehicle a MSG 4031 is sent to the Client to inform that the vehicle is out of communication.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	
Provider action	• Immediately confirm that message has been sent to the vehicle.

5.3 MSG 5002: Confirmation Message to Vehicle Read

Message	MSG 5002: Confirmation Message to Vehicle Read
Description	MSG 5002 is sent from the Provider to the Client to indicate that MSG 5000 has been received and read in the vehicle. If the Provider can't communicate with the vehicle a MSG 4031 is sent to the Client to inform that the vehicle is out of communication.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	
Provider action	• Immediately confirm that message has been read in the vehicle.

5.4 MSG 5010: Message to Client from Vehicle

Message	MSG 5010: Message to Client from Vehicle
Description	MSG 5001 is sent from the Provider to the Client to forward a message from a vehicle to the Client. The Client shall respond by sending MSG 5011.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 5011
Client action	• Immediately receive the message. • Immediately take action to let appropriate Receiver read the message. • Immediately inform the Provider that the message has been received and appropriate Receiver read the message by sending MSG 5011.
Provider action	• Immediately forward message from a vehicle to the Client.

5.5 MSG 5011: Message to Client from Vehicle confirmation

Message	MSG 5011: Message to Client from Vehicle confirmation
Description	MSG 5011 is sent from the Client to the Provider to inform that the Client received and appropriate Receiver read the message.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• Immediately take action to let appropriate Receiver read the message
Provider action	• Immediately receive the message. • Immediately forward message from a vehicle to the Client

5.6 MSG 5020 Request for Location

Message	MSG 5020 Request for Location
Description	MSG 5011 is sent from the Client to the Provider to request the location of a vehicle performing an order. The Client may request the Provider to provide location for the vehicle during a certain time or a certain distance (Tracking).
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	MSG 5021, MSG 4031, MSG 7031
Client action	• Make sure requested information is within referred agreement.
Provider action	• Immediately respond with requested information by sending MSG 5021. • Immediately inform the Client that requested information is unavailable by sending MSG 4031 or MSG 7031.

5.7 MSG 5021 Requested Location

Message	MSG 5021 Requested Location
Description	MSG 5021 is sent from the Provider to the Client as response on MSG 5020. The message contains requested information, for example lat/long, type of coordinate and precision. If the Client requested information that the Provider can't provide, the Provider will respond with MSG 4031 or MSG 7031 and indicate "No location" in the message. MSG 5021 is used to send position of a vehicle performing an ongoing order. MSG 5021 is sent when the vehicle is a predefined distance from the next point ("node") in the order. Position is given in Lat/Long. The distance is given in MSG 4001 or in MSG 2000.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	
Provider action	• Immediately send requested location. • Immediately send location from a vehicle within distance from next point. • Immediately inform the Client that no location is available.

6 BLOCK 60: REPORT

The block is intended to deal with various reporting needs as a client has. These reports do not include invoices or invoice specifications.

6.1 MSG 6001: Order Report

Message	MSG 6001: Order Report
Description	MSG 6001 is sent from the Provider to the Client. The message is a report of a completed order and is initiated of the ending of the order and shall be prescribed in the referred agreement. As a minimum the message shall contain order id, distance and time used.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	-
Client action	
Provider action	

6.2 MSG 6060: RatingRequest

Message	MSG 6060: RatingRequest
Description	MSG 6060 is a message that requests Rating (6061). Note that MSG 1060 in block 1000 is the same message. If used in block 6000 it's a request on a finished order and concern only that specific order. If used in block 1000 it concerns several orders that has been finished. It can also be an average for multiple orders.
Sender	Client/Provider
Receiver	Provider/Client
Response required	NO
Response MSG	-
Client action	
Provider action	

6.3 MSG 6061: RatingResponse

Message	MSG 6061: RatingResponse
Description	MSG 6061 is a message that contains a rating of trips. Note that MSG 1061 in block 1000 is the same message. If used in block 6000 it's a response on a finished order and concern only that specific order. If used in block 1000 it concerns several orders that has been finished. It can also be an average for multiple orders.
Sender	Client/Provider
Receiver	Provider/Client
Response required	NO
Response MSG	-
Client action	
Provider action	

6.4 MSG 6062: RatingRquestReject

Message	MSG 6062: RatingRequestReject
Description	MSG 6062 is a message that contains a reject to answer a request for rating.
Sender	Client/Provider
Receiver	Provider/Client
Response required	NO
Response MSG	-
Client action	
Provider action	

6.5 MSG 6500: deliveryNote

Message	MSG 6500: deliveryNote
Description	MSG 6500 is sent from the Provider to the Client. The message is a delivery note of a completed order and is initiated in three different ways: • Using attribute deliveryNoteRequest in 2000 order in element process. • Using attribute deliveryNoteRequest in 2901 order authorization accept in element process. • By sending MSG 6510 deliveryNoteRequest.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	6501, 6502 or 6503
Client action	• Receive and make necessary steps to answer.
Provider action	-

6.5.1 Intended Use of Msg 6500

6.5.1.1 General

A Msg6500 shall be sent within 1 working day after the order has been completed by the provider. This time limit can be altered if a mutual agreement between Client and Provider exists.

6.6 MSG 6501: deliveryNoteAccept

Message	MSG 6501: deliveryNoteAccept
Description	MSG 6501 is sent from the Client to the Provider as an accept of Msg6500 delivery note.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Client action	-
Provider action	• Receive and make necessary steps to comply

6.7 MSG 6502: deliveryNoteReject

Message	MSG 6502: deliveryNoteReject
Description	MSG 6502 is sent from the Client to the Provider as an reject of Msg6500 delivery note. A reason why the delivery note is rejected shall be included in message.
Sender	Client.
Receiver	Provider
Response required	NO
Response MSG	-
Client action	• Inform the provider why the delivery note is rejected.
Provider action	• Receive and make necessary steps to comply.

6.8 MSG 6503: deliveryNoteWait

Message	MSG 6503: deliveryNoteWait
Description	MSG 6503 is sent from the Client to the Provider as an answer of Msg6500 delivery note. This message is sent to inform the provider that an answer cannot be sent right away. The reason for this can be a further checking of Msg6500.
Sender	Client.
Receiver	Provider
Response required	NO
Response MSG	-
Client action	-
Provider action	• Receive and make necessary steps to comply.

6.8.1 Intended Use of Msg 6503

6.8.1.1 General

Msg 6503 shall be followed by a Msg 6501 or Msg 6502 within 2 working days after a Msg 6503 has been sent. If the Client don send MSG6501 or MSG6502, the earlier MSG6500 is automatically approved. This time limit can be altered if a mutual agreement between Client and Provider exists.

6.9 MSG 6510: deliveryNoteRequest

Message	MSG 6510: deliveryNoteRequest
Description	MSG 6510 is sent from the Client to the Provider to request a delivery note from the Provider.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	Msg 6500 or Msg 6511
Client action	-
Provider action	• Receive and make necessary steps to comply.

6.10 MSG 6511: deliveryNoteRequestReject

Message	MSG 6511: deliveryNoteRequestReject
Description	MSG 6511 is sent from the Provider to the Client as a reject to send a DeliveryNote at this time.
Sender	Client
Receiver	Provider
Response required	YES
Response MSG	6500
Client action	• Receive and make necessary steps to comply.
Provider action	

6.11 MSG 6800: requestedOrderinformation

Message	MSG 6800: requestedOrderinformation
Description	MSG 6800 is sent from the Client to the Provider. The message is a delivery note of a completed order and is initiated in three different ways: • By sending MSG 6810 reguestforOrderinformation to the Client.
Sender	Client
Receiver	Provider
Response required	-
Response MSG	-
Client action	• Send requested information without any delay.
Provider action	• Receive information

6.12 MSG 6810: requestforOrderinformation

Message	MSG 6810: reguestforOrderinformation
Description	MSG 6810 is sent from the Provider to the Client as a request for a Msg6800 delivery note.
Sender	Provider
Receiver	Client
Response required	NO
Response MSG	MSG 6800
Client action	• Receive message and return information without any delay.
Provider action	• Make sure the information in the request is correct.

7 BLOCK 70: TECHNICAL CONTROL

This block provides tools to handle communication and system status of one or more SUTI systems.

7.1 MSG 7000 Keep alive

Message	MSG 7000 Keep alive
Description	MSG 7000 is sent either by the Client or by the Provider as a check that the other system is alive.
Sender	Client or provider
Receiver	Client or provider
Response required	YES
Response MSG	MSG 7001
Sender action	• May consider the other side as not alive after a number of failed MSG 7000. The exact number of failed messages needed have to be decided between by client and provider.
Receiver action	• Respond to a MSG 7000 by sending MSG 7001 within the preset response time. The exact response time have to be decided between by client and provider.

7.2 MSG 7001 Keep alive Confirmation

Message	MSG 7001 Keep alive Confirmation
Description	MSG 7001 is sent as a response of a MSG 7000 received from the other side. It shall be sent immediately after MSG 7000 has been received and always within the preset response time.
Sender	Receiver of MSG 7000
Receiver	Sender of MSG 7000
Response required	NO
Response MSG	-
Sender action	• Respond to a received MSG 7000 by sending MSG 7001 within the preset response time.
Receiver action	• Consider the other side as alive after having received MSG 7001 as a response of a sent MSG 7000.

7.3 MSG 7002 Temporary Stop

Message	MSG 7002 Temporary Stop
Description	MSG 7002 is sent either by the Client or by the Provider to inform the other side that the sending system will perform a short stop and start of the system (Boot or Shutdown). No answer is expected on this message. The message will not give any time to handle outstanding orders and shutdown will be performed shortly or immediately after the message is sent. The message shall contain the time until the system is back online and fully operational.
Sender	The system that is performing the shutdown.
Receiver	Multiple
Response required	NO
Response MSG	-
Sender action	• Inform the other systems that a shutdown is going to be performed shortly. • Inform the other system that it's fully operational after the shutdown by sending MSG 7020.
Receiver action	• Wait during the period of time given in the received MSG 7002 before performing any timeout or take other measures. • Immediately start listening for a MSG 7020 from the system performing a shutdown.

7.4 MSG 7010 ShutDown Service

Message	MSG 7010 Shut Down Service
Description	MSG 7010 is sent either by the Client or by the Provider to inform the other side that the sending system will perform an earlier planned shutdown. The side performing shutdown shall inform all concerned sides in due time before the shutdown. MSG 7010 informs that this shutdown will be performed in a while and give the other systems enough time to handle ongoing orders in a controlled manner (Clean up). MSG 7010 shall contain a time limit. The other systems shall respond with MSG 7011 within this time limit. If no answer has been received the shutdown will be performed.
Sender	The system that is performing the shutdown.
Receiver	Multiple
Response required	YES. Within given time limit.
Response MSG	MSG 7011 as soon as "Clean up" is finished.
Sender action	• Inform the other systems in due time that a planned shutdown will be performed. This information shall be given in such time that the other side's has enough time to plan and handle the consequences of the shutdown. • Send MSG 7010 in such a time that all involved system has enough time to perform Clean up. • Wait either until all system has sent MSG 7011 or that the given time limit has been reached before performing shutdown.
Receiver action	• Immediately begin Cleanup process. • Immediately after Clean up is finished send MSG 7011 to inform that the system is ready.

7.5 MSG 7011 ShutDown Service Complete

Message	MSG 7011 Shut Down Service Complete
Description	MSG 7011 is a response on a received MSG 7010. It will be sent after the receiving system has performed a Cleanup of the orders involved in the shutdown of the other system. It is a green light indicating that the system that sends MSG 7011 is ready and waiting for the shutdown to be performed and that it's listening for MSG 7020 from the system performing the shutdown.
Sender	Receiver of a MSG 7010. Multiple systems.
Receiver	Sender of a MSG 7010.
Response required	-
Response MSG	MSG 7020
Sender action	• Immediately inform that Clean up is performed. • Immediately start listening for a MSG 7020 from the system performing a shutdown.
Receiver action	• Wait either until all system has sent MSG 7011 or that the given time limit has been reached before performing shutdown.

7.6 MSG 7015 Shut Down Failure

Message	MSG 7015 Shut Down Failure
Description	MSG 7015 is sent either by the Client or by the Provider to inform the other side that the sending system will perform a immediate shutdown. No answer is expected on this message. The message will not give any time to handle outstanding orders and shutdown will be performed immediately after the message is sent. The sender has no estimate for how long the shutdown will be going on. This message is a way to tell other involved system that some unplanned event has occurred that forces the system to shutdown.
Sender	System going down
Receiver	Multiple
Response required	NO
Response MSG	-
Sender action	• If possible inform other systems about the shutdown.
Receiver action	• Immediately start prepared emergency routines. • Immediately start listening for MSG 7020 from the system that is shutting down.

7.7 MSG 7020 ReStart Service

Message	MSG 7020 Re Start Service
Description	MSG 7020 is sent by the system that has been performing a shutdown. It indicates that the system is online and ready to start updating/clean up of orders after the shutdown. The system is not ready to receive new order-, dispatch- or traffic control messages.
Sender	The system that sent MSG 7002, MSG 7010, MSG 7015 or has just been put online.
Receiver	All involved system.
Response required	NO
Response MSG	-
Sender action	• Inform involved system that the system is online. • If the shutdown was unplanned or accidental, perform clean up in cooperation with the other system/systems. • After clean up is performed immediately inform the other systems/systems that the system is fully operational by sending MSG 7021.
Receiver action	• Immediately start clean up in cooperation with the system that performed a shutdown. • If the shutdown was unplanned or accidental, perform clean up in cooperation with the other system/systems.

7.8 MSG 7021 Re Start

Message	MSG 7021 Re Start
Description	MSG 7021 is sent by the system that has been performing a shutdown. It indicates that the system is online and fully operational.
Sender	The system that sent MSG 7002, MSG 7010, MSG 7015, MSG 7020 or has just been put online.
Receiver	All involved system.
Response required	NO
Response MSG	-
Sender action	• Inform involved system that the system is fully operational.
Receiver action	• Re-establish operation.

7.9 MSG 7030 Syntax Error

Message	MSG 7030 Syntax Error
Description	MSG 7030 is sent by the system that has received a message that don't exists, don't have a message id or has a faulty XML syntax or are in opposition to the logic shown in SUTI Messageflow. For example if a Provider try to send a MSG 2010 to the Client, the correct response from the Client will be a MSG 7030 as this is not supported in SUTI. The telegram may contain a description of the error.
Sender	System that receives a faulty message
Receiver	Sender of a faulty message
Response required	NO
Response MSG	-
Sender action	• Immediately inform the system that sent a faulty message about this.
Receiver action	• Immediately take necessary action to solve the problem.

7.10 MSG 7031: Not operational

Message	MSG 7031: Not operational
Description	MSG 7031 is sent as a response of a message that can't be responded in a logical way. For example a request for next point in an order that's already been ended or a part of a message (XML tag) that's not implemented in the actual version used at the receiving system. The telegram may contain a description of the error.
Sender	Both
Receiver	Both
Response required	NO
Response MSG	-
Sender action	
Receiver action	

7.11 MSG 7099: Confirmation of received message

Message	MSG 7099: Confirmation of received message
Description	MSG 7099 is sent as a confirmation of a received message. It is important that the identity of the message that is confirmed will be included in references to in MSG 7099.
Sender	Both
Receiver	Both
Response required	NO
Response MSG	-
Sender action	
Receiver action	

8 Accounting

This block provides tools to handle communication regarding accounting between SUTI systems.

8.1 MSG 8000 Accounting Basic Provider

Message	MSG 8000 Accounting Basic Provider
Description	MSG 8000 is sent by the Provider as to notify the Client about tours that has been completed and shall be payed out.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 8101
Sender action	•
Receiver action	•

8.2 MSG 8010 Accounting Reconsider Provider

Message	MSG 8010 Accounting Reconsider Provider
Description	MSG 8010 is sent by the Provider as to notify the Client about tours that has been completed and shall be payed out. The tours has either been incorrectly rejected by client or has circumstances registered that requires special procedures by client to be accepted.
Sender	Provider
Receiver	Client
Response required	YES
Response MSG	MSG 8111
Sender action	•
Receiver action	•

8.3 MSG 8101 Accounting Basic Client

Message	MSG 8101 Accounting Basic Client
Description	MSG 8101 is sent by the Client to inform the Provider about the descisions for all tours that has been presented for accounting in Msg 8000
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Sender action	•
Receiver action	•

8.4 MSG 8102 Accounting Direct Client

Message	MSG 8121 Accounting Direct Client
Description	MSG 8121 is sent by the Client to inform the Provider about the decisions for all tours that has been performed for a certain period in time and is inside a certain accounting agreement.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Sender action	•
Receiver action	•

8.5 MSG 8111 Accounting Reconsider Client

Message	MSG 8111 Accounting Reconsider Client
Description	MSG 8111 is sent by the Client to inform the Provider about the decisions for all tours that has been presented for accounting in Msg 8010 and may in addition hold tours that has been held by client in the reconsideration process
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Sender action	●
Receiver action	●

8.6 MSG 8181 Accounting Revaluate Client

Message	MSG 8181Accounting Revaluate Client
Description	MSG 8181 is sent by the Client to inform the Provider about revaluated decisions regarding tours that has already been accepted
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Sender action	●
Receiver action	●

8.7 MSG 8182 Accounting Revaluate Client Fines

Message	MSG 8181Accounting Revaluate Client Fines
Description	MSG 8182 is sent by the Client to inform the Provider about decisions regarding tours that has already been accepted. It is to believed to be fines or fees related to lack of quality related to agreed terms of conditions.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Sender action	●
Receiver action	●

8.8 MSG 8199 Accounting Payment Specification

Message	MSG 8199 Accounting Payment Specification
Description	MSG 8199 is sent by the Client to specify to the Provider the content of a certain payment amount.
Sender	Client
Receiver	Provider
Response required	NO
Response MSG	-
Sender action	●
Receiver action	●

9 Alterations

9.1 Version 2.3.0

- Message 2530, 2531 and 2532 added. Replaced older msg 5030 and 5031.
- Message 2900 and 2902 added.
- Message 6000 altered to message 2901
- Message 6500, 6501, 6502 and 6510 added.

9.2 Version 2.4.X

- Chapter 8 Best Practices General added.
- Best practice Msg 2000 added.
- Best practice Msg 2002 added.
- Message 7030. Description revised.
- Message 6511 added

9.3 Version 2012

- Chapter 7 has been move to document SUTI_2012_Use_Cases.
- Best practice for separate messages has been moved to document SUTI_2012_Use_Cases.
- Remaining descriptions under Best practice has been renamed Intended use of.

9.4 Version 2013

- Msg 1920, 1921 and 1922 added.
- Msg 7099 added.

9.5 Version 2014

- Msg 2531 altered.
- Msg 1500 and 1501 added.
- Msg 2540 and 2541 added.
- Msg 2800, 2801 and 2810 added.
- Msg 6800 and 6810 added.

9.6 Version 2015

- Block 8000 added.

9.7 Version 2016

- Message 2030, 2031 and 2032 activated.
- Message 8182 added.

9.8 Version 2017

- Message 4020 text altered.
- Message 4011, 4012 and 4021 has been added.
- Message 2041 added
- Messages 21XX driverSession added

9.9 Version 2018

- Message 1000 to 1012 altered and is now activated..
- Message 1100 to 1102 has been added.
- Message 1110 to 1112 has been added.
- Message 1061 and 6061 has been added.
- Message 1062 and 6062 has been added.
-