SUTI 2015
In progress
Messageflow

This document describes the flow of messages between Client and Provider. Its intended to give a graphical view of how the differnt messages flow between Client and Provider and how the differnt messages depends on eachother.

Alterations

Version 1.0.0

Alteration 2004-02-17:

Telegram 4030 moved to block 7 and renamed 7031.

Version 1.0.2

Alteration 2004-11-18:

Message 5040 altered to 2040 and introduced in XML schema.

Message 5021 removed from block 40

Position replaced with Location

Message 4010 altered from Pick-up Confirmation to Event Confirmation

Version 2.0.0

Alteration 2007-03-26:

Message 6001 added in block 60

Message 2021, 2021, 2022 and 2023 added in block 20

Message 2050 added in block 20

Version 2.2.0

Alteration 2008-12-01

Message 1020, 1021, 1022, 1023, 1024 added 1025 added.

Version 2.3.0

Alteration 2010-02-16

Messages 6500, 6501, 6502 and 6510 added in block 60

Message 6000 changed into tgm 2531 orderStatus and moved to block 20

Messages 2530, 2532, 2900, 2901 and 2902 added in block 20

Version 2.4.0

Alteration 2011-03-01

Message 6511 added in block 60

Version SUTI 2012

Alteration 2012-03-02

Dokument changed to SUTI 2012

Version SUTI 2013

Alteration 2012-10-24

Text altered in MSG 2005, 2006 and 2007.

Version SUTI 2013.1

Alteration 2013-09-19

MSG 2060 and 2061 added.

Version SUTI 2014

Alteration 2014-02-28

Messages for Repetetive orders has been added.

Alterations

Version SUTI 2015

Alteration 2015-03-02:

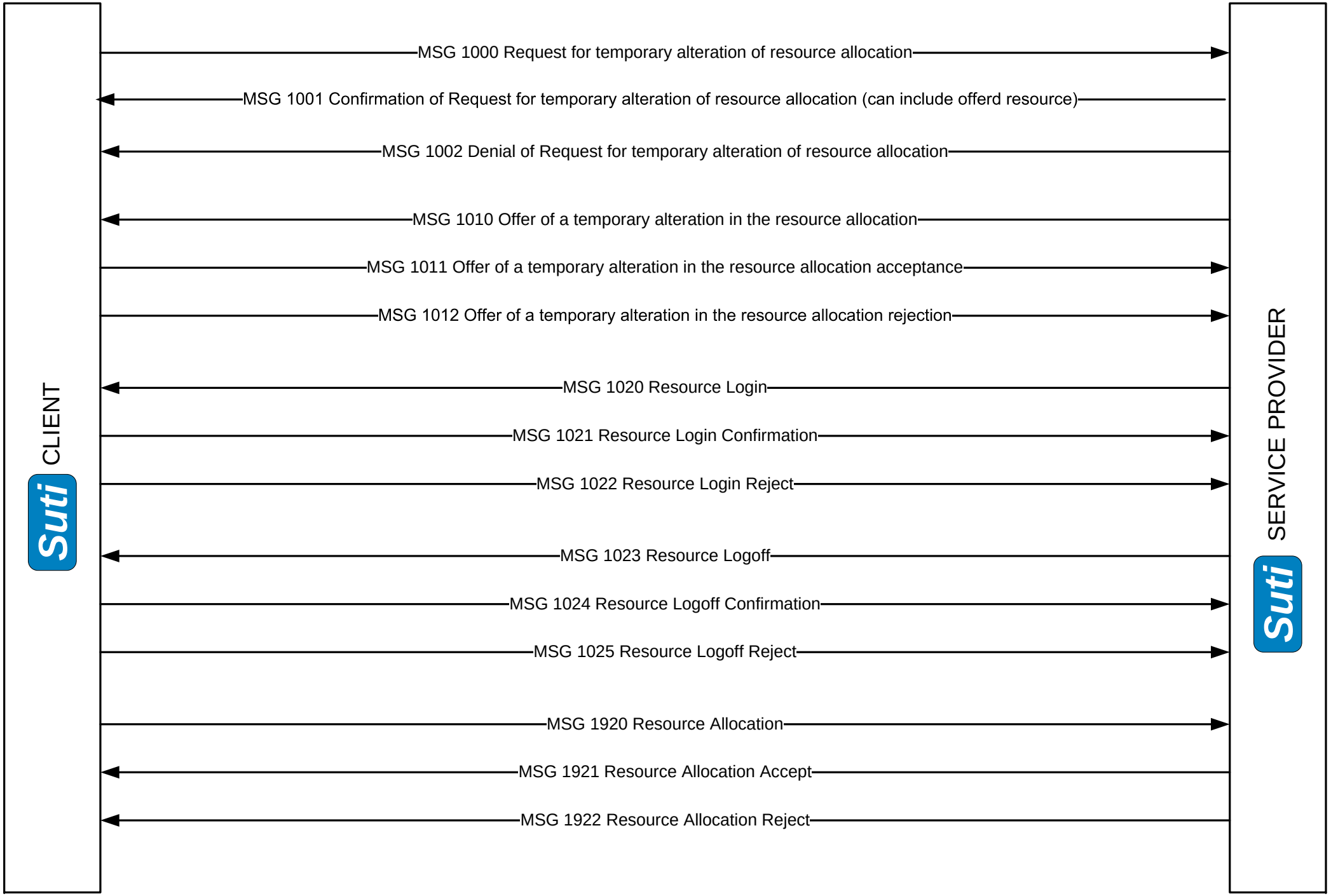
Block 80 added.

Version SUTI 2016

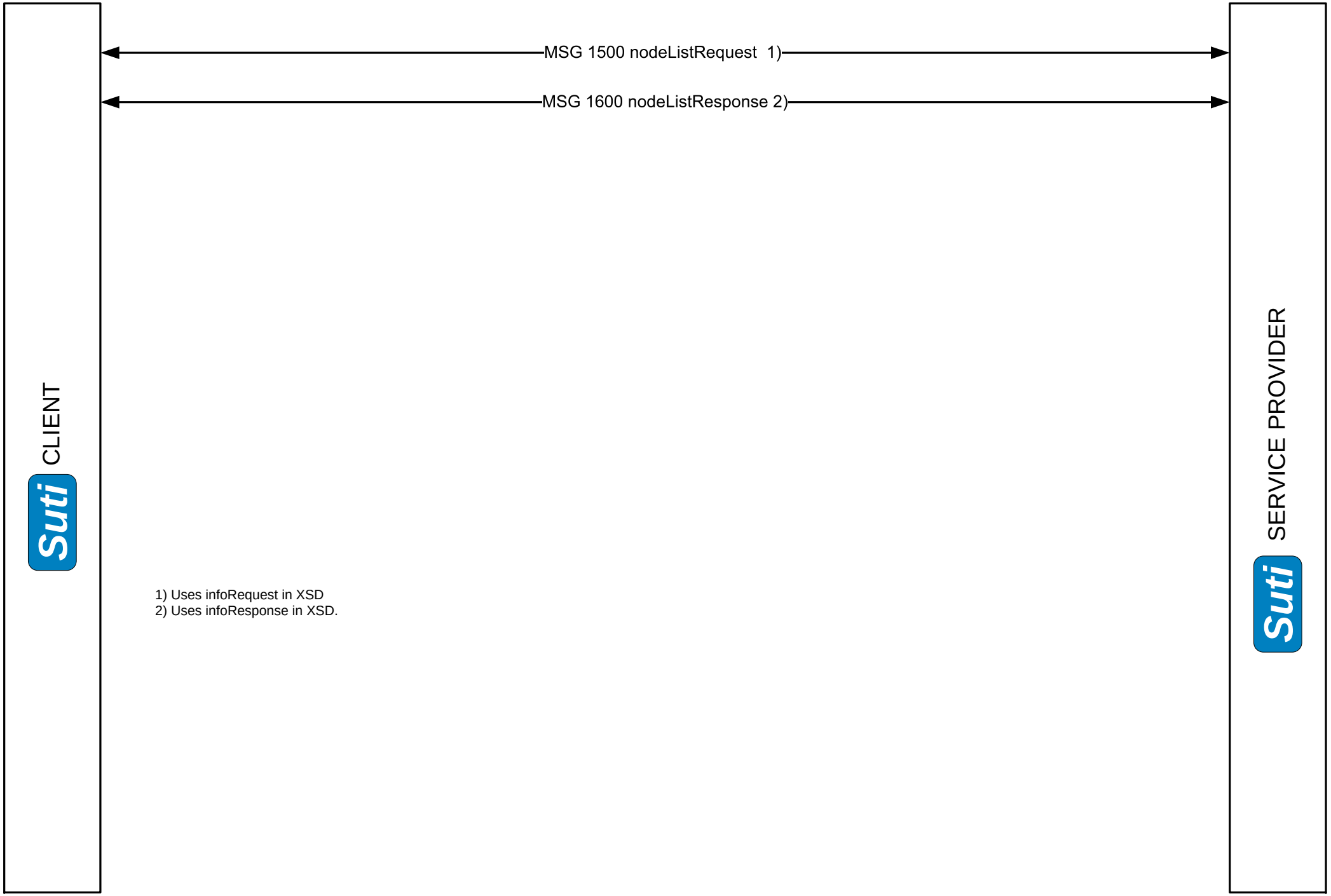
Alteration 2016-02-25:

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

BLOCK 10: DYNAMIC RESORURCE UTILIZATION 01

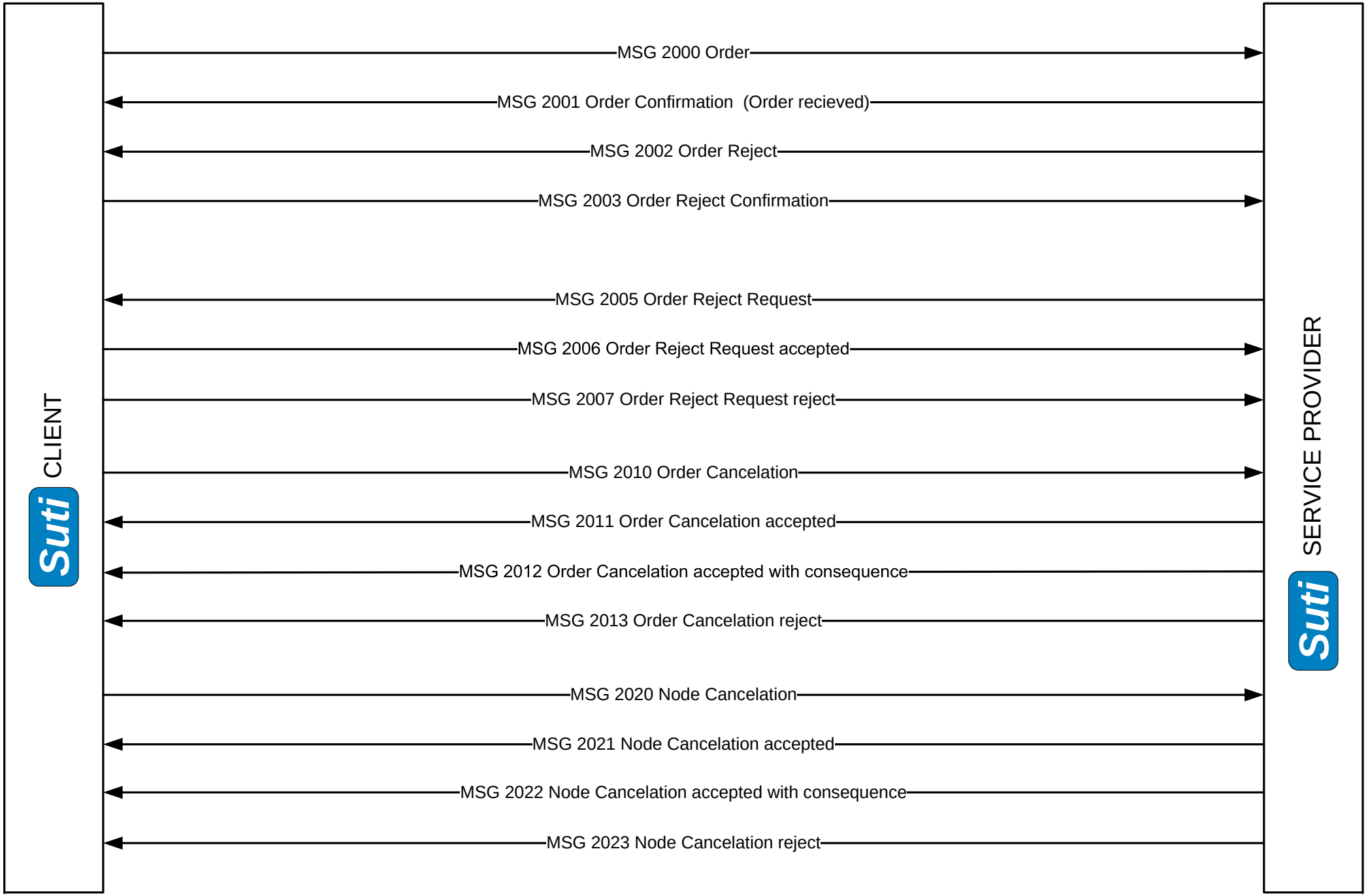


BLOCK 10: DYNAMIC RESORURCE UTILIZATION 02

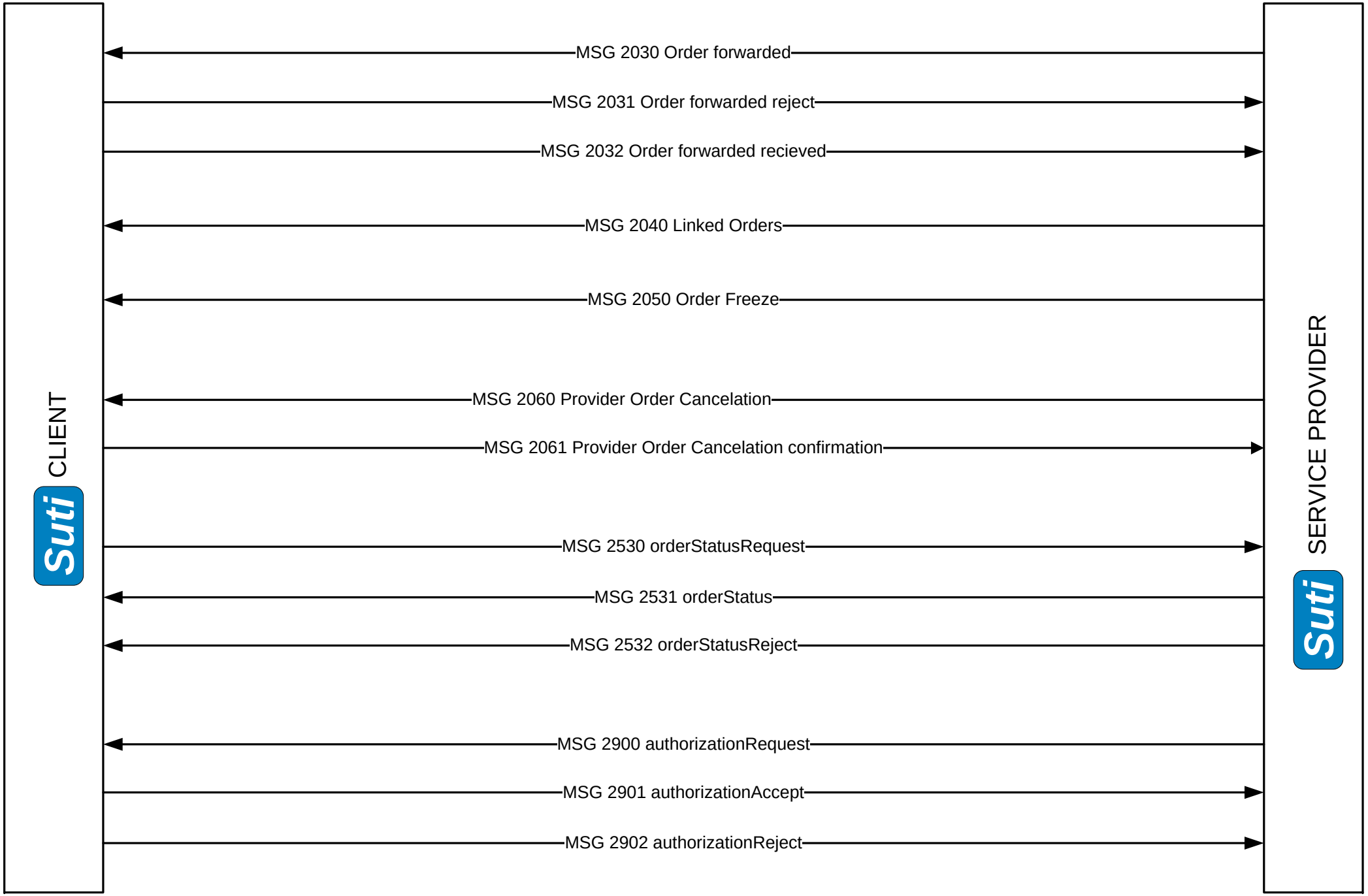


1) Uses infoRequest in XSD
2) Uses infoResponse in XSD.

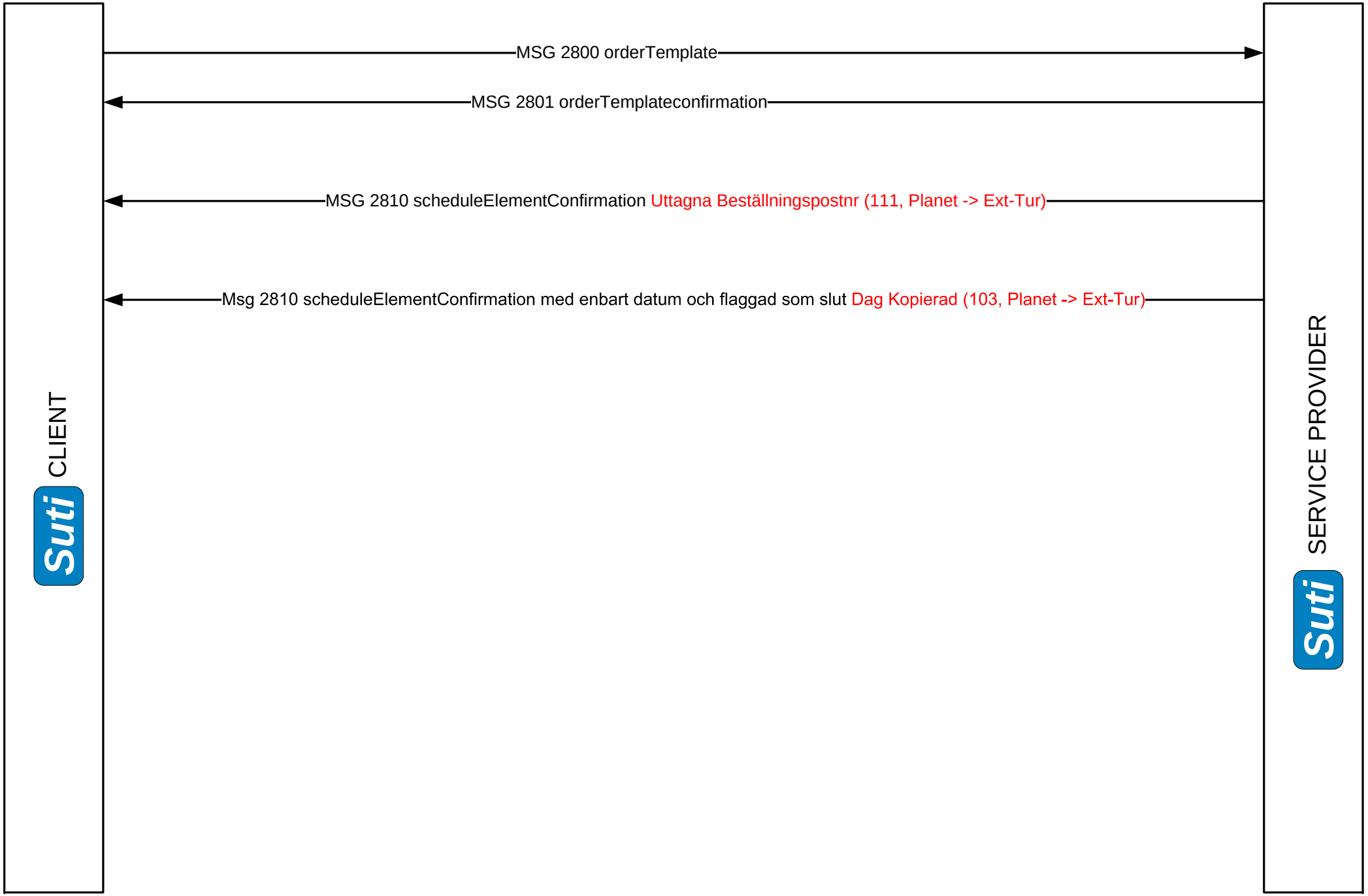
BLOCK 20: Order 01



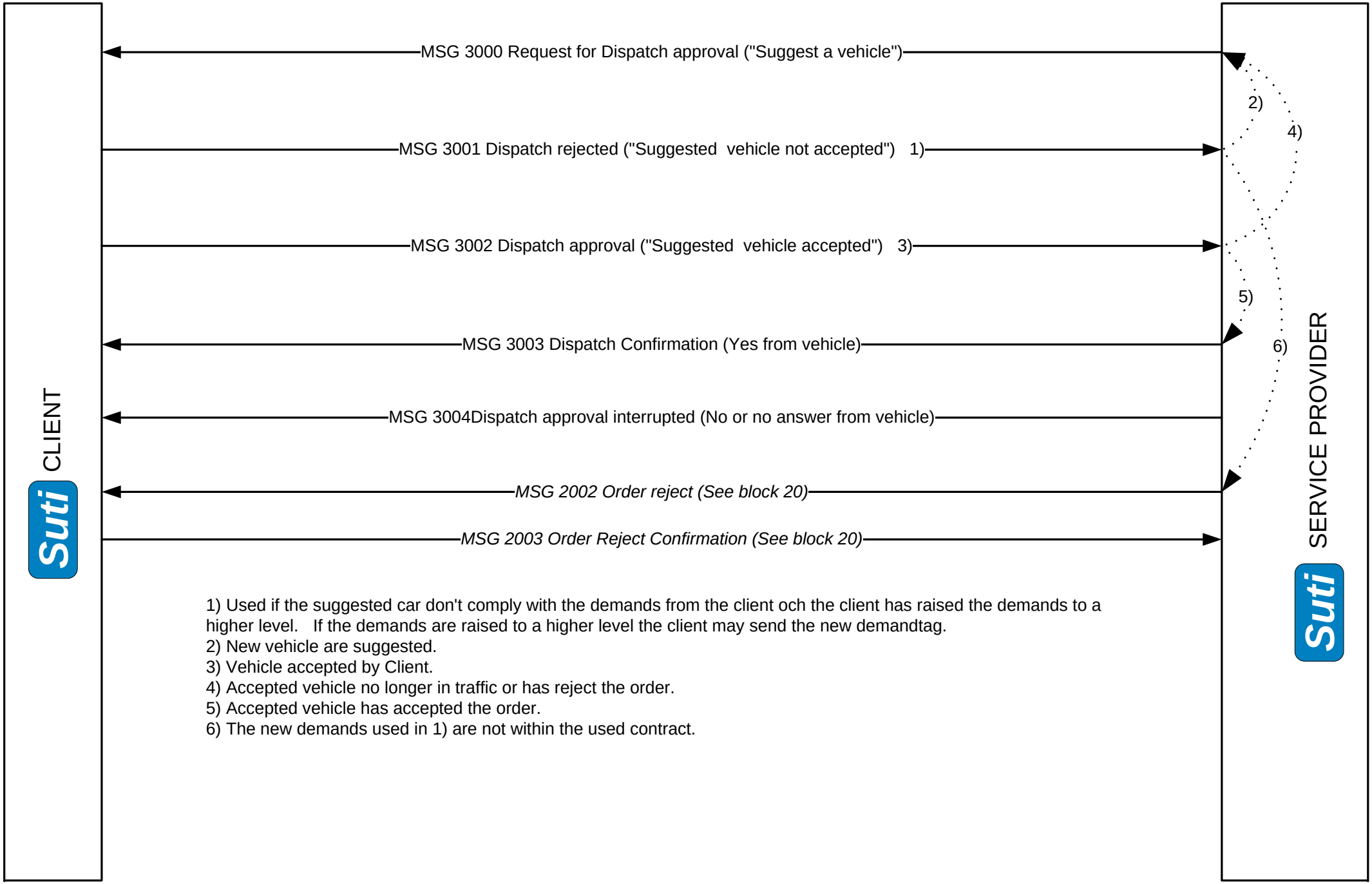
BLOCK 20: ORDER 02



BLOCK 20: ORDER 03

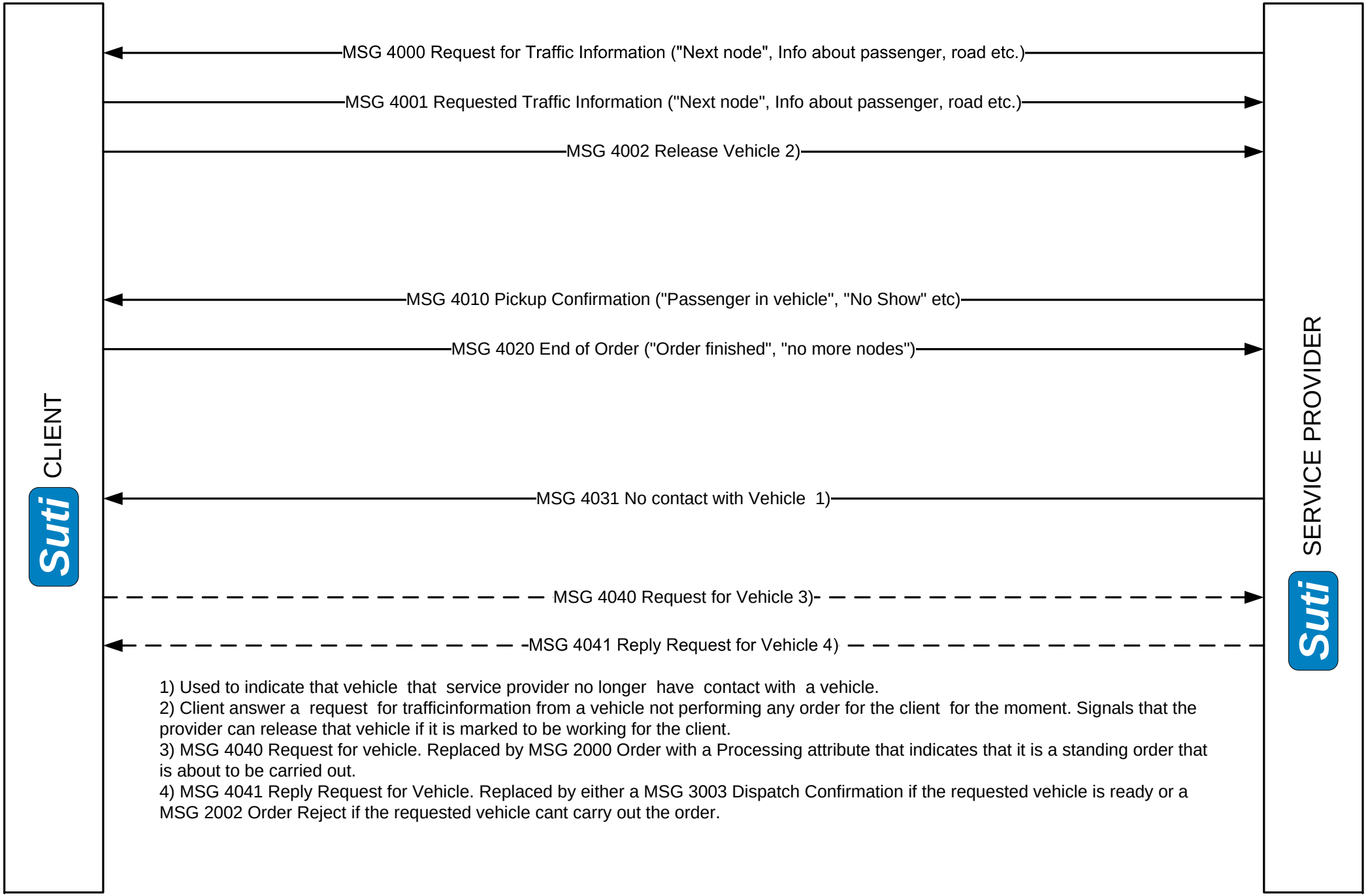


BLOCK 30: DISPATCH



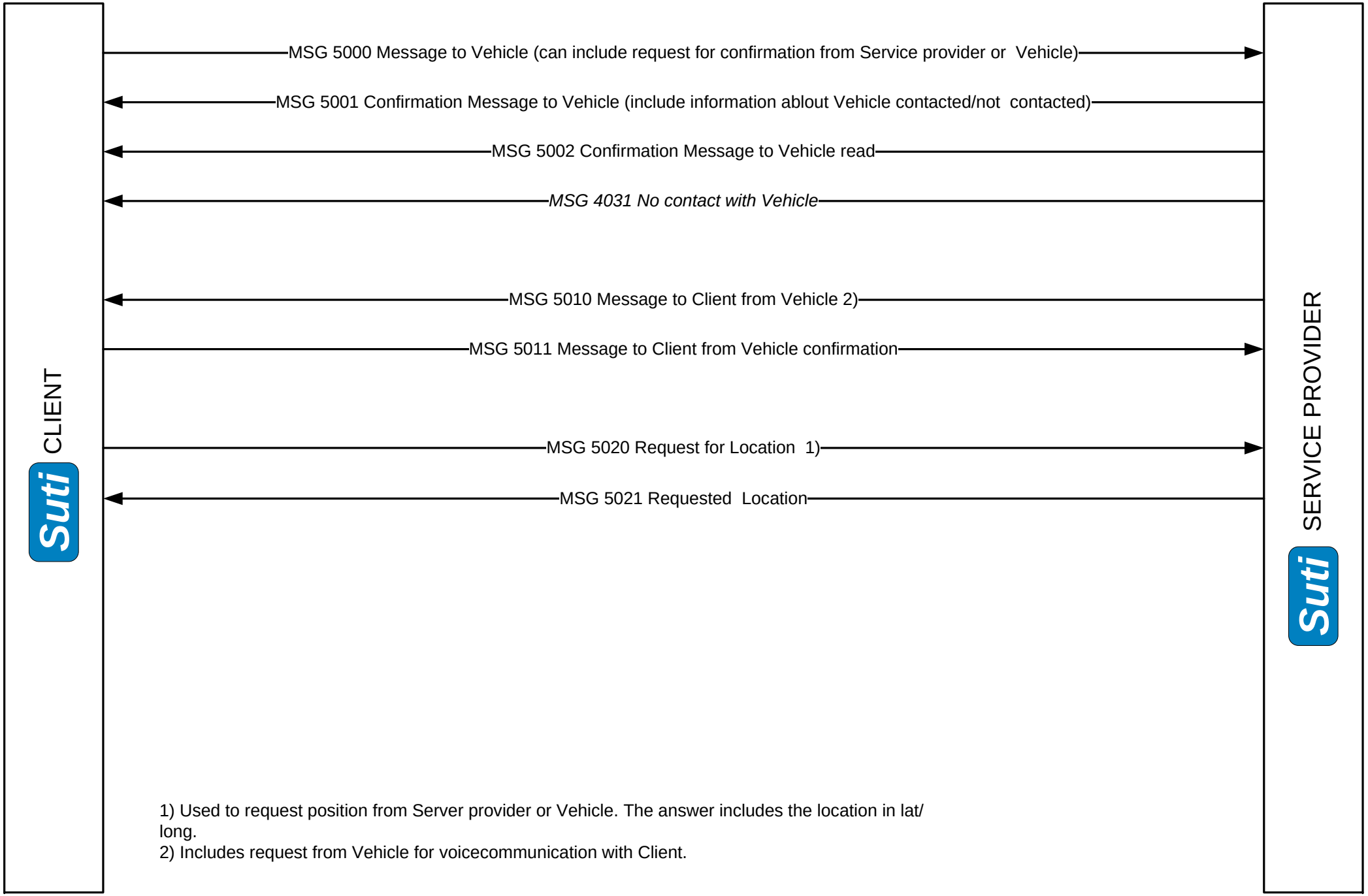
1) Used if the suggested car don't comply with the demands from the client och the client has raised the demands to a higher level. If the demands are raised to a higher level the client may send the new demandtag.
2) New vehicle are suggested.
3) Vehicle accepted by Client.
4) Accepted vehicle no longer in traffic or has reject the order.
5) Accepted vehicle has accepted the order.
6) The new demands used in 1) are not within the used contract.

BLOCK 40: TRAFFIC CONTROL



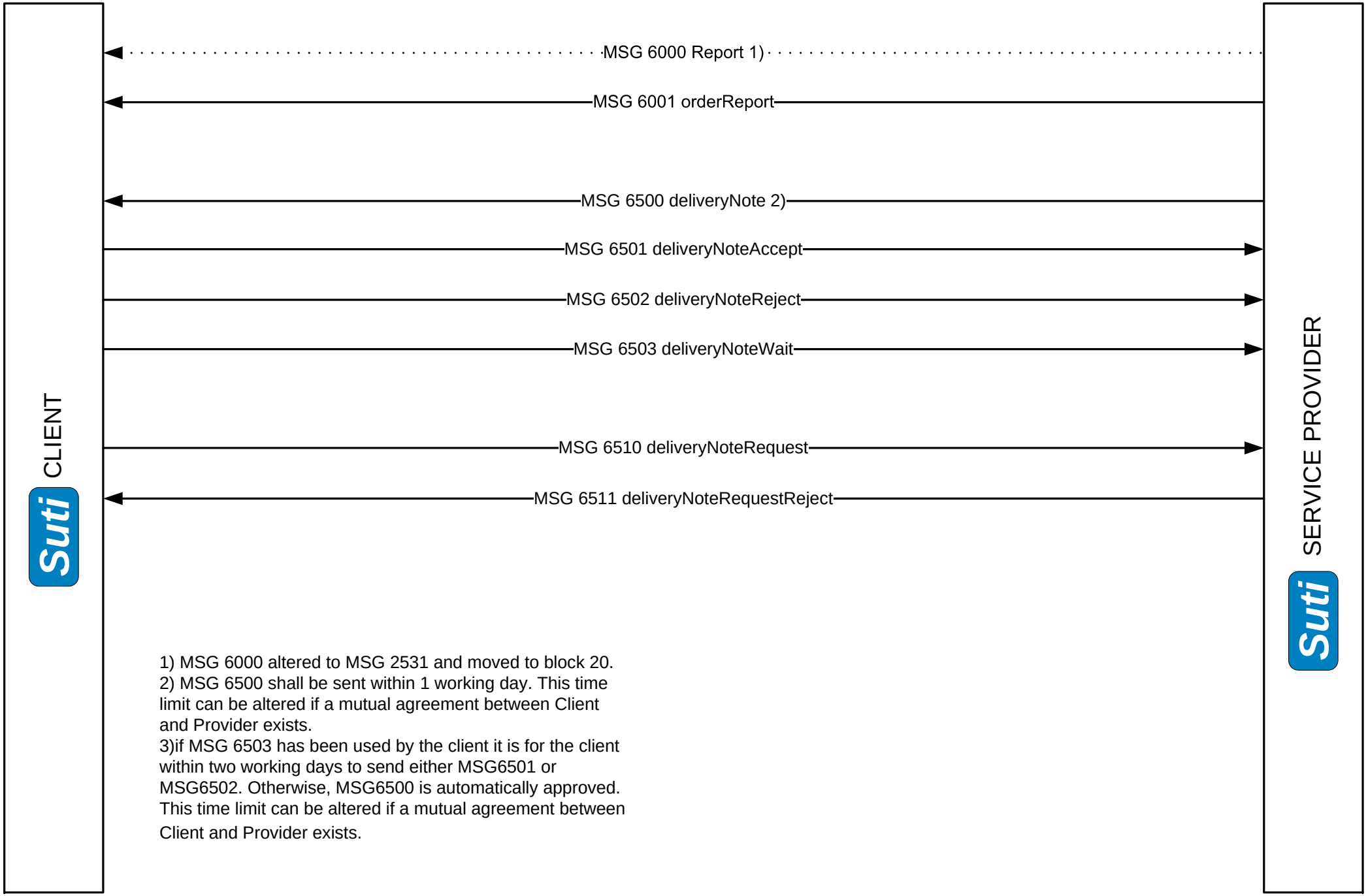
1) Used to indicate that vehicle that service provider no longer have contact with a vehicle.
2) Client answer a request for trafficinformation from a vehicle not performing any order for the client for the moment. Signals that the provider can release that vehicle if it is marked to be working for the client.
3) MSG 4040 Request for vehicle. Replaced by MSG 2000 Order with a Processing attribute that indicates that it is a standing order that is about to be carried out.
4) MSG 4041 Reply Request for Vehicle. Replaced by either a MSG 3003 Dispatch Confirmation if the requested vehicle is ready or a MSG 2002 Order Reject if the requested vehicle cant carry out the order.

BLOCK 50: COMMUNICATION



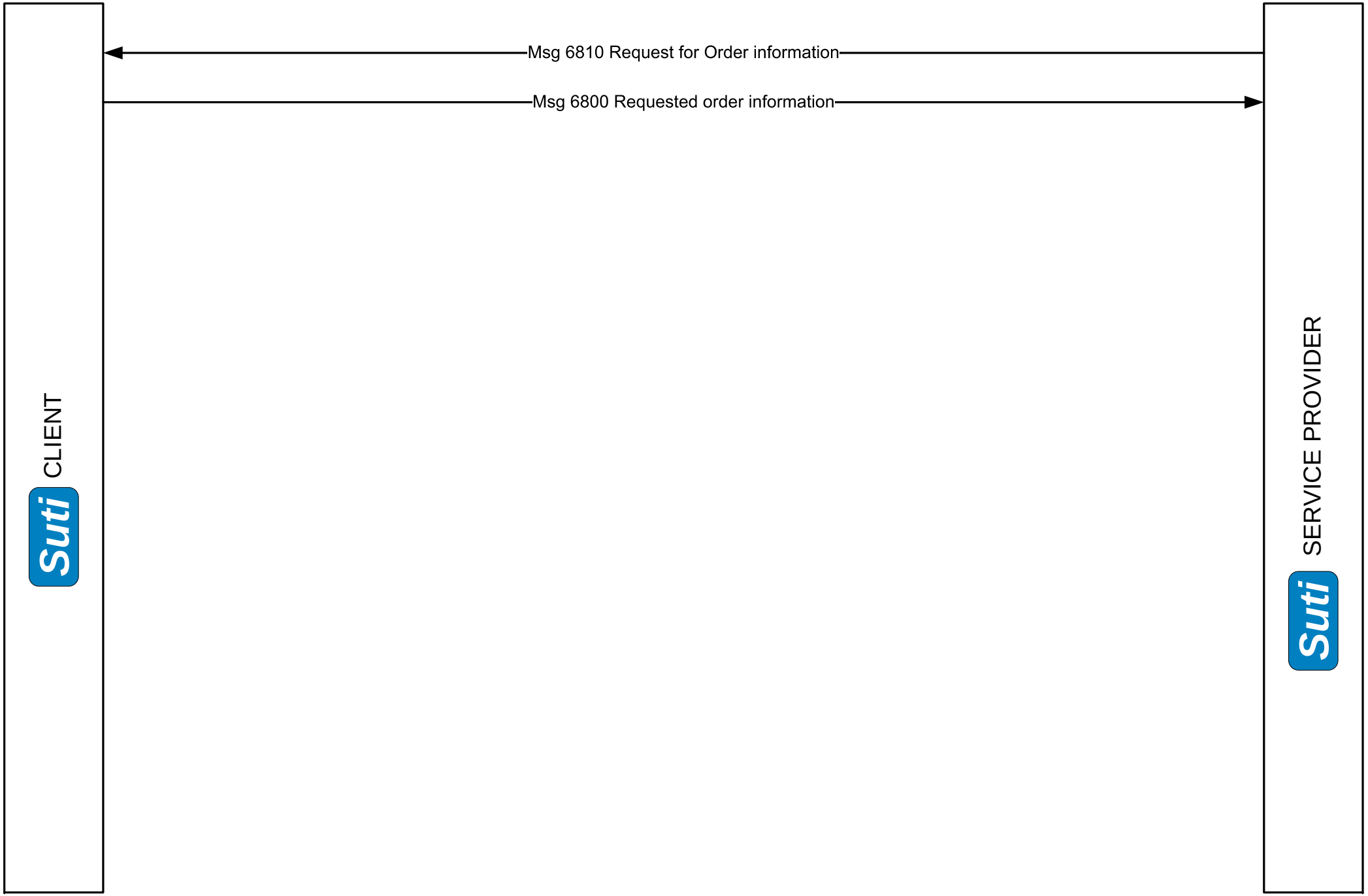
1) Used to request position from Server provider or Vehicle. The answer includes the location in lat/long.
2) Includes request from Vehicle for voicecommunication with Client.

BLOCK 60: REPORT 01

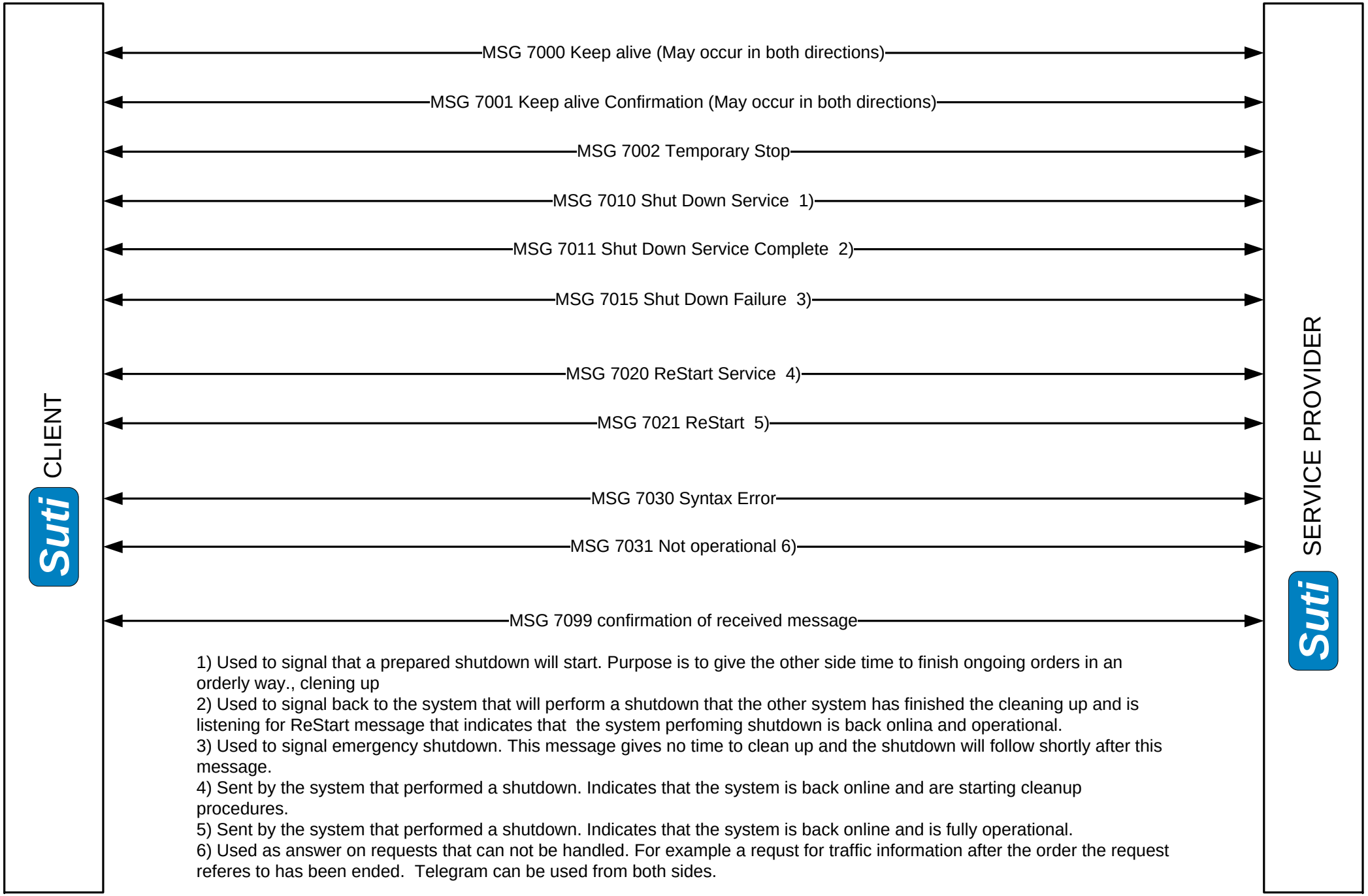


1) MSG 6000 altered to MSG 2531 and moved to block 20.
2) MSG 6500 shall be sent within 1 working day. This time limit can be altered if a mutual agreement between Client and Provider exists.
3)if MSG 6503 has been used by the client it is for the client within two working days to send either MSG6501 or MSG6502. Otherwise, MSG6500 is automatically approved. This time limit can be altered if a mutual agreement between Client and Provider exists.

BLOCK 60: REPORT 02

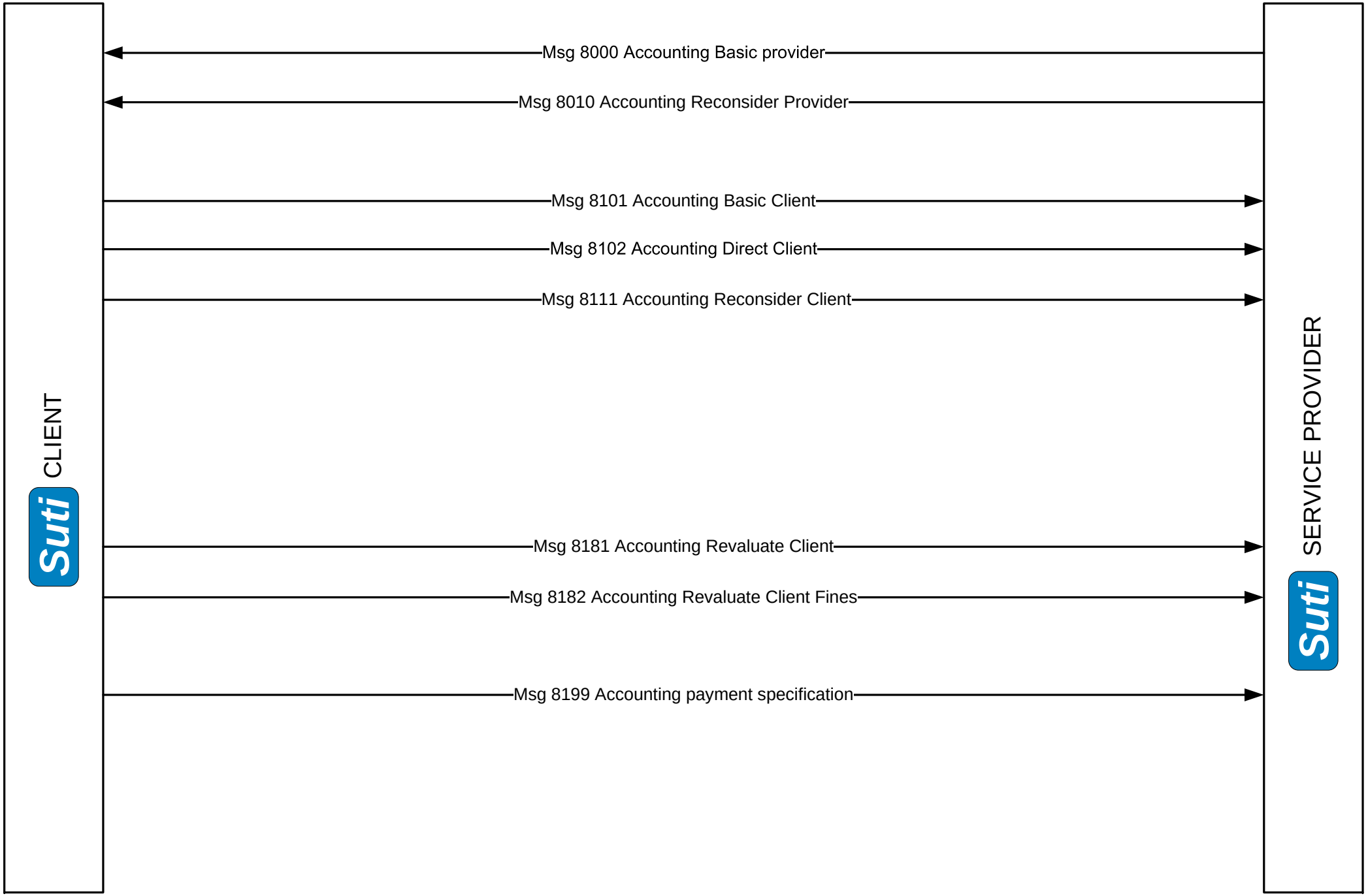


BLOCK 70: TECHNICAL CONTROL



1) Used to signal that a prepared shutdown will start. Purpose is to give the other side time to finish ongoing orders in an orderly way., clening up
2) Used to signal back to the system that will perform a shutdown that the other system has finished the cleaning up and is listening for ReStart message that indicates that the system perfoming shutdown is back onlina and operational.
3) Used to signal emergency shutdown. This message gives no time to clean up and the shutdown will follow shortly after this message.
4) Sent by the system that performed a shutdown. Indicates that the system is back online and are starting cleanup procedures.
5) Sent by the system that performed a shutdown. Indicates that the system is back online and is fully operational.
6) Used as answer on requests that can not be handled. For example a requst for traffic information after the order the request referes to has been ended. Telegram can be used from both sides.

BLOCK 80: Accounting



COMMON DEMANDS

-Secure information about Sender, Reciever
-Timestamp from sending system
-TelegramID used to uniqelly identify every sent message. Format shall be YYYYMMDDXXXXXXXXXXXX. YYYY is the year the message is sent. MM is the month the message is sent. DD is the date the message is sent. XXXXXXXXXXXX is a counter that resets at midnight every day.
-Messages that can not be handled by the recieving part due to different verions at the sender and the reciever, shall be answerwered by sending MSG 4030 NOT OPERATIONAL.