SUTI

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

Ändring 2004-02-17:

Telegram 4030 flyttat till block 7 och omdöpt till 7031.

Version 1.0.2

Ändring 2004-11-18:

Tgm 5040 ändrat till 2040 och infört i XML schema.

Tgm 5021 borttaget från block 40

Position utbytt mot Location

Tgm 4010 ändrat från Pick-up Confirmation till Event Confirmation

Version 2.0.0

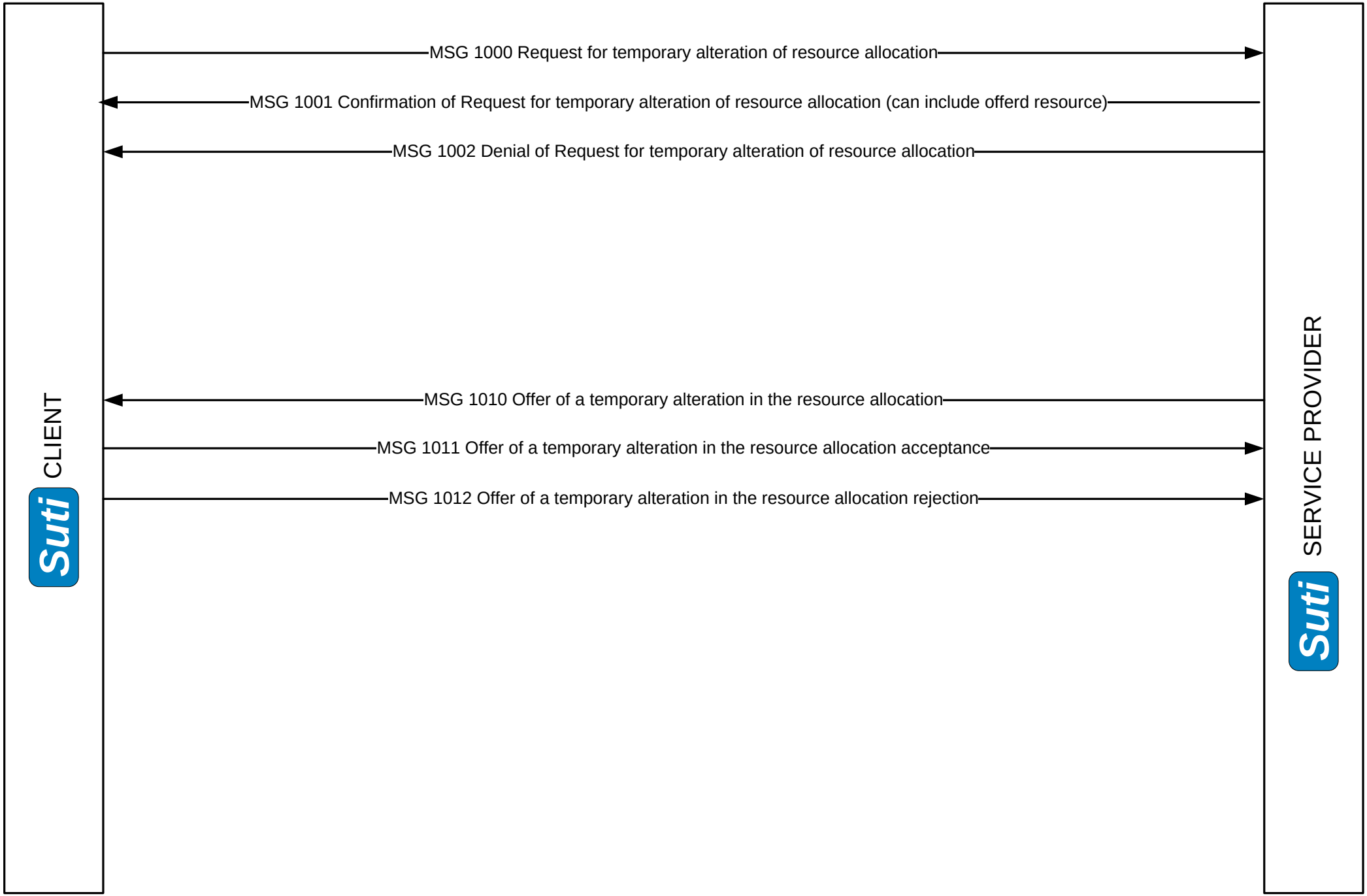
Ändring 2007-03-26:

Tgm 6001 added in block 60

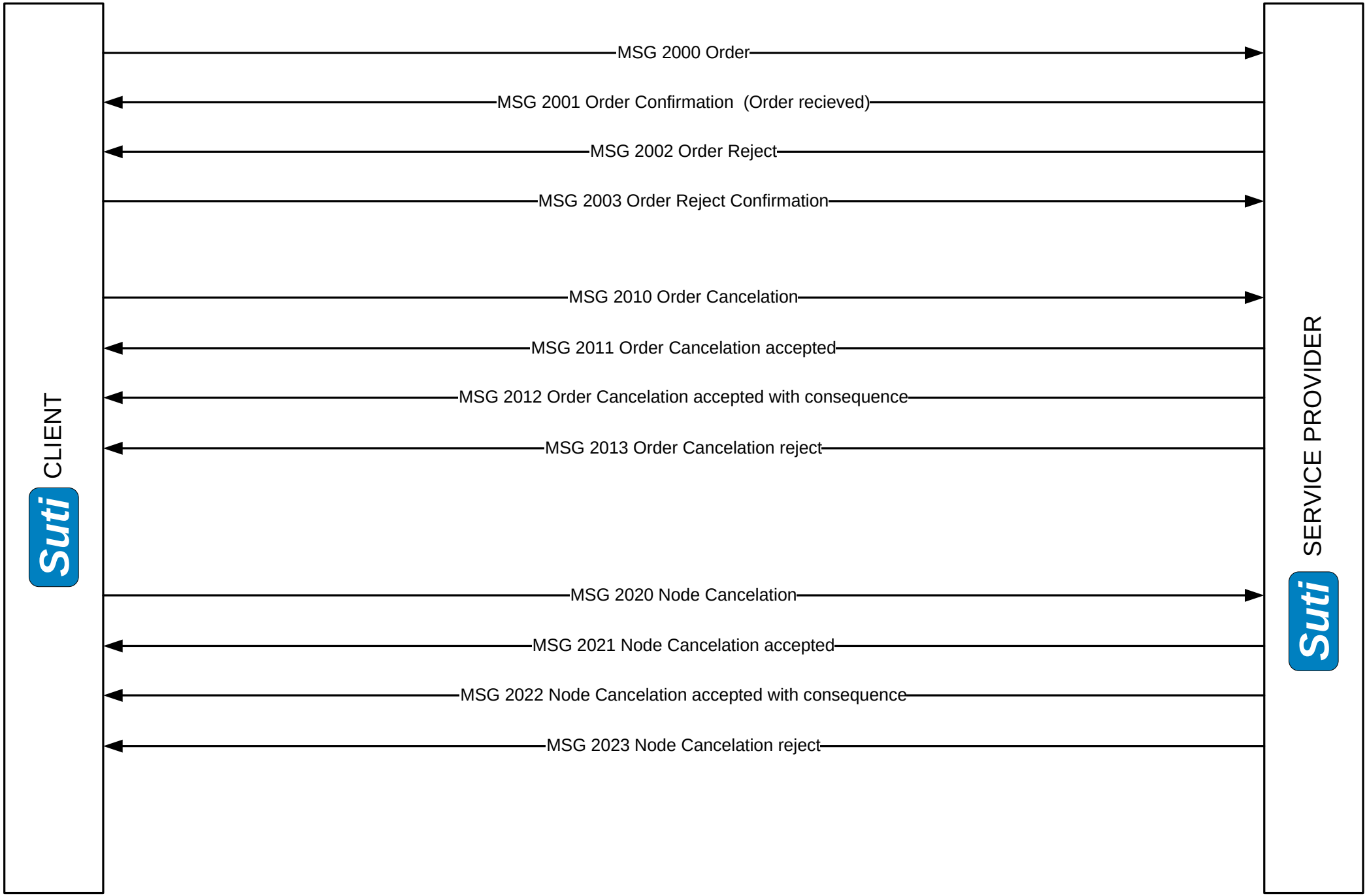
Tgm 2021, 2021, 2022 and 2023 added in block 20

Tgm 2050 added in block 20

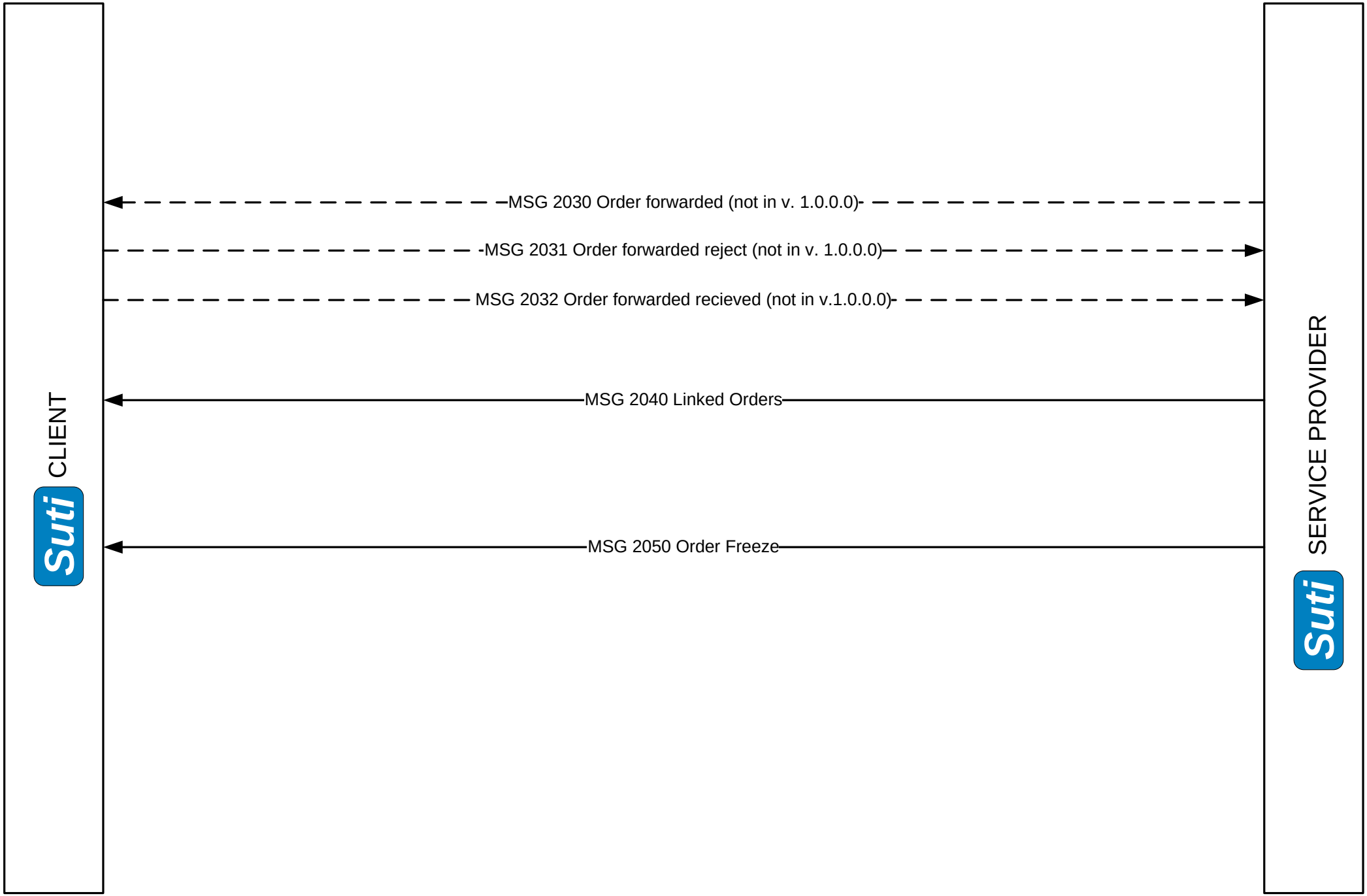
BLOCK 10: DYNAMIC RESORURCE UTILIZATION



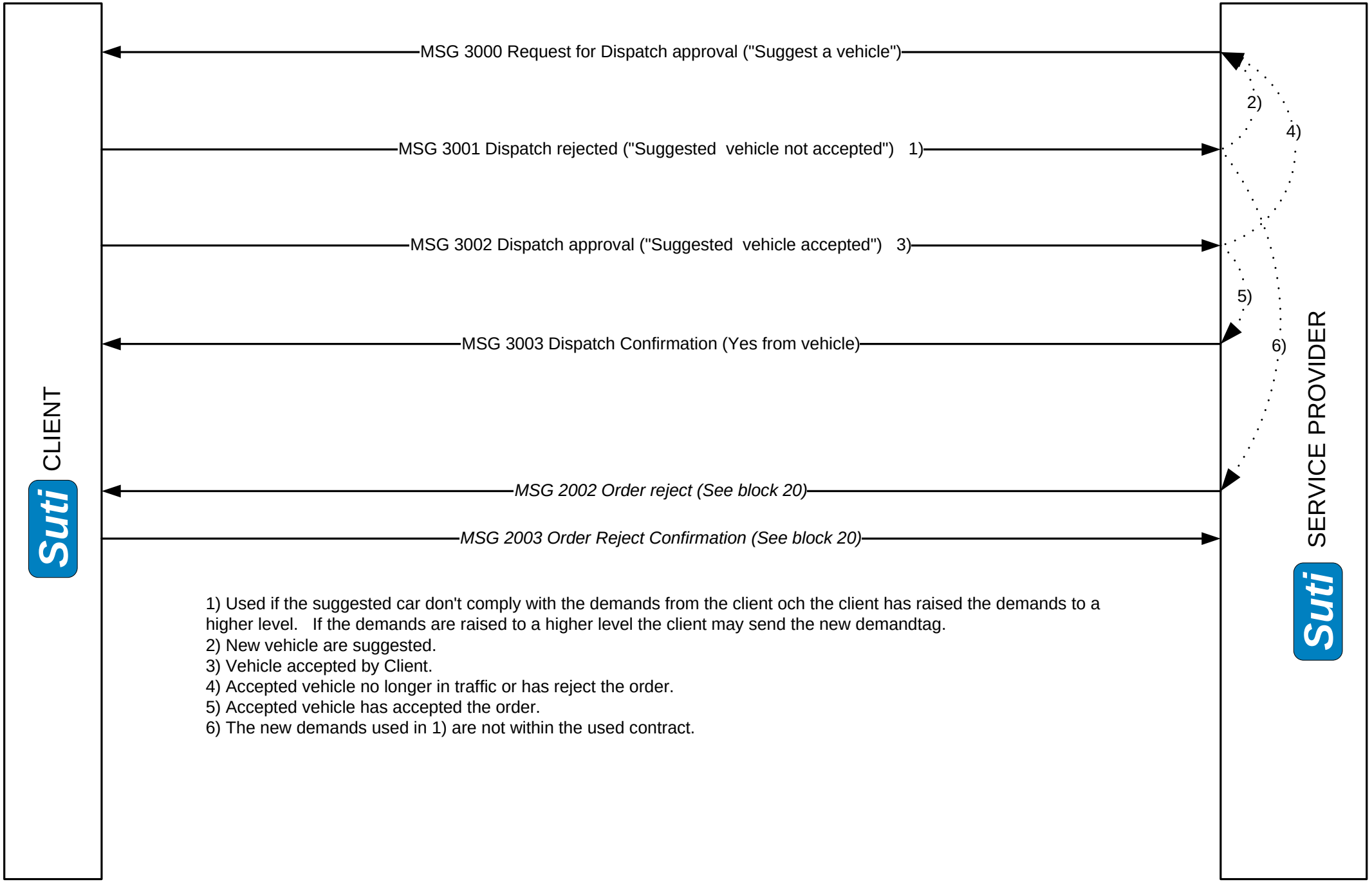
BLOCK 20: ORDER



BLOCK 20: ORDER Continued

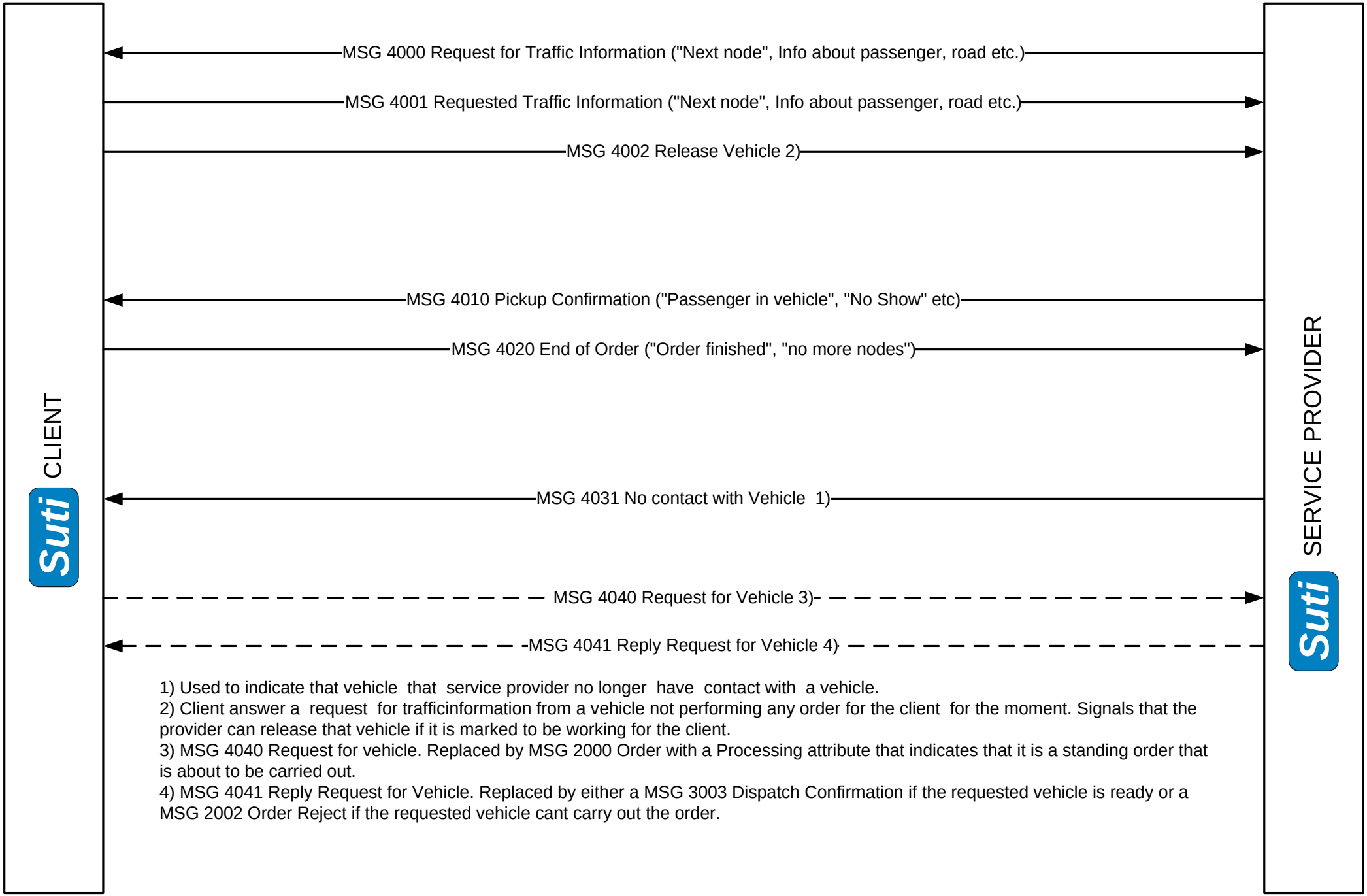


BLOCK 30: DISPATCH



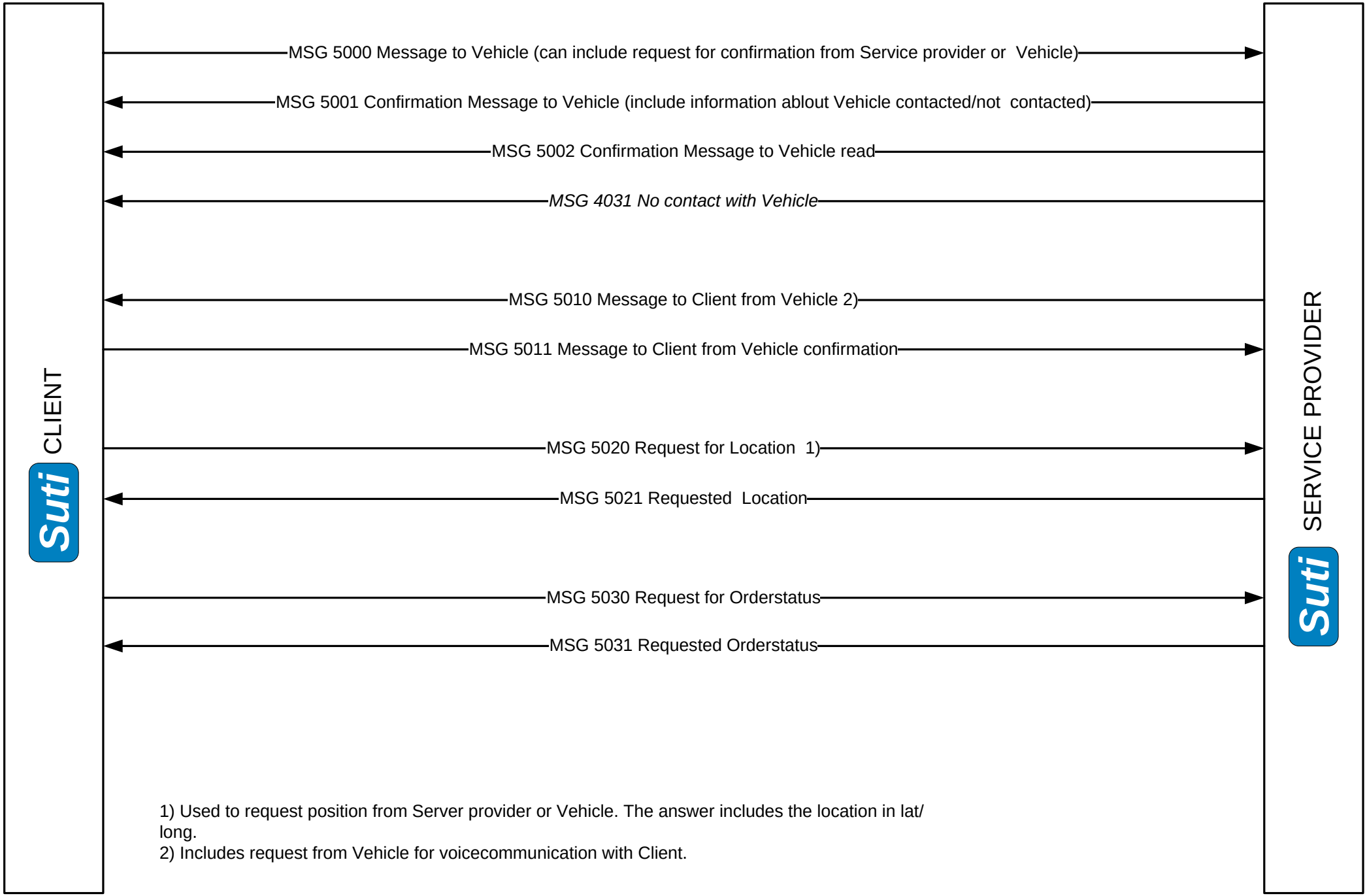
1) Used if the suggested car don't comply with the demands from the client och the client has raised the demands to a higher level. If the demands are raised to a higher level the client may send the new demandtag.
2) New vehicle are suggested.
3) Vehicle accepted by Client.
4) Accepted vehicle no longer 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



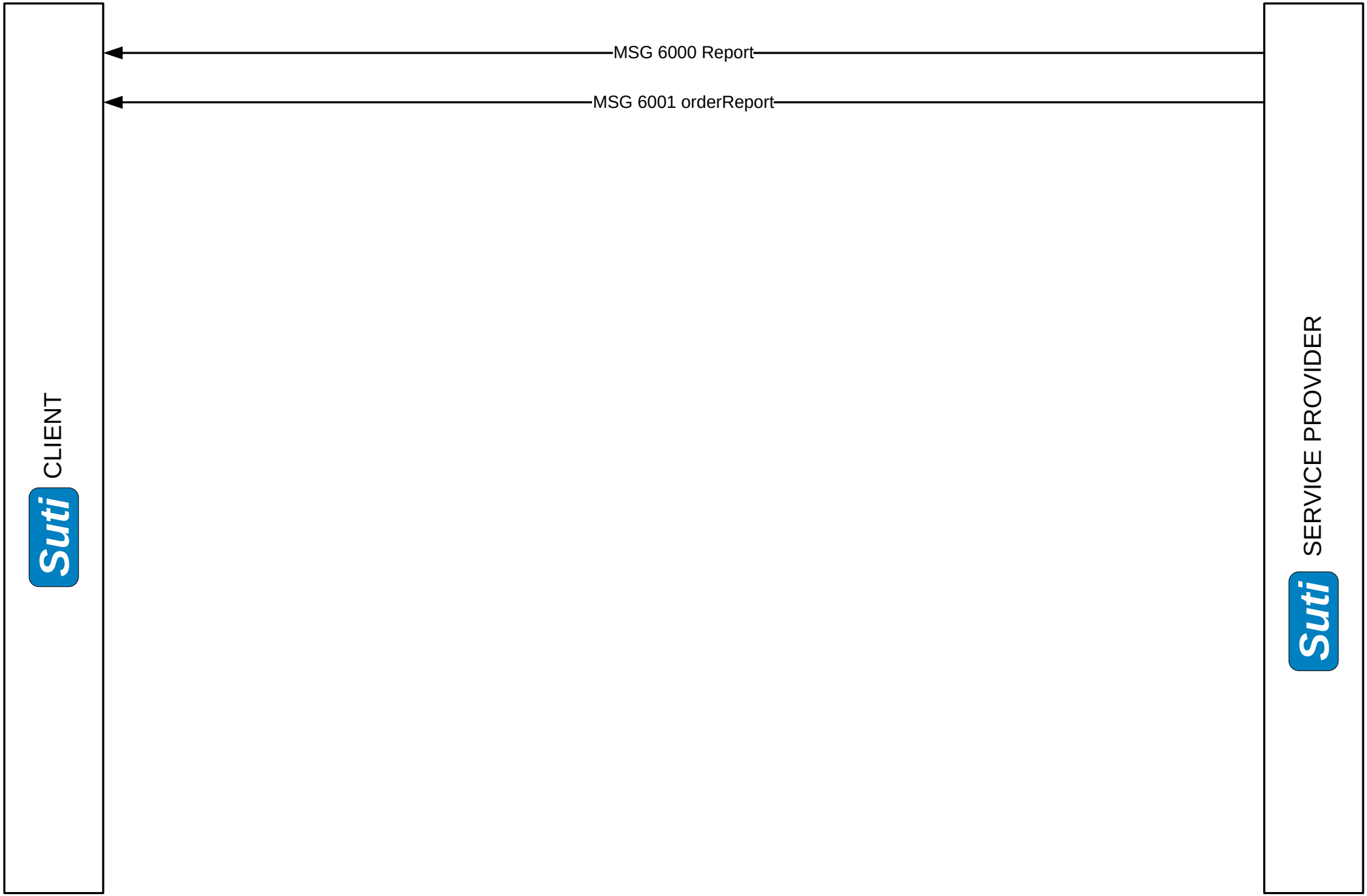
1) Used to indicate that vehicle that service provider no longer have contact with a vehicle.
2) Client answer a request for trafficinformation from a vehicle not performing any order for the client for the moment. Signals that the provider can release that vehicle if it is marked to be working for the 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

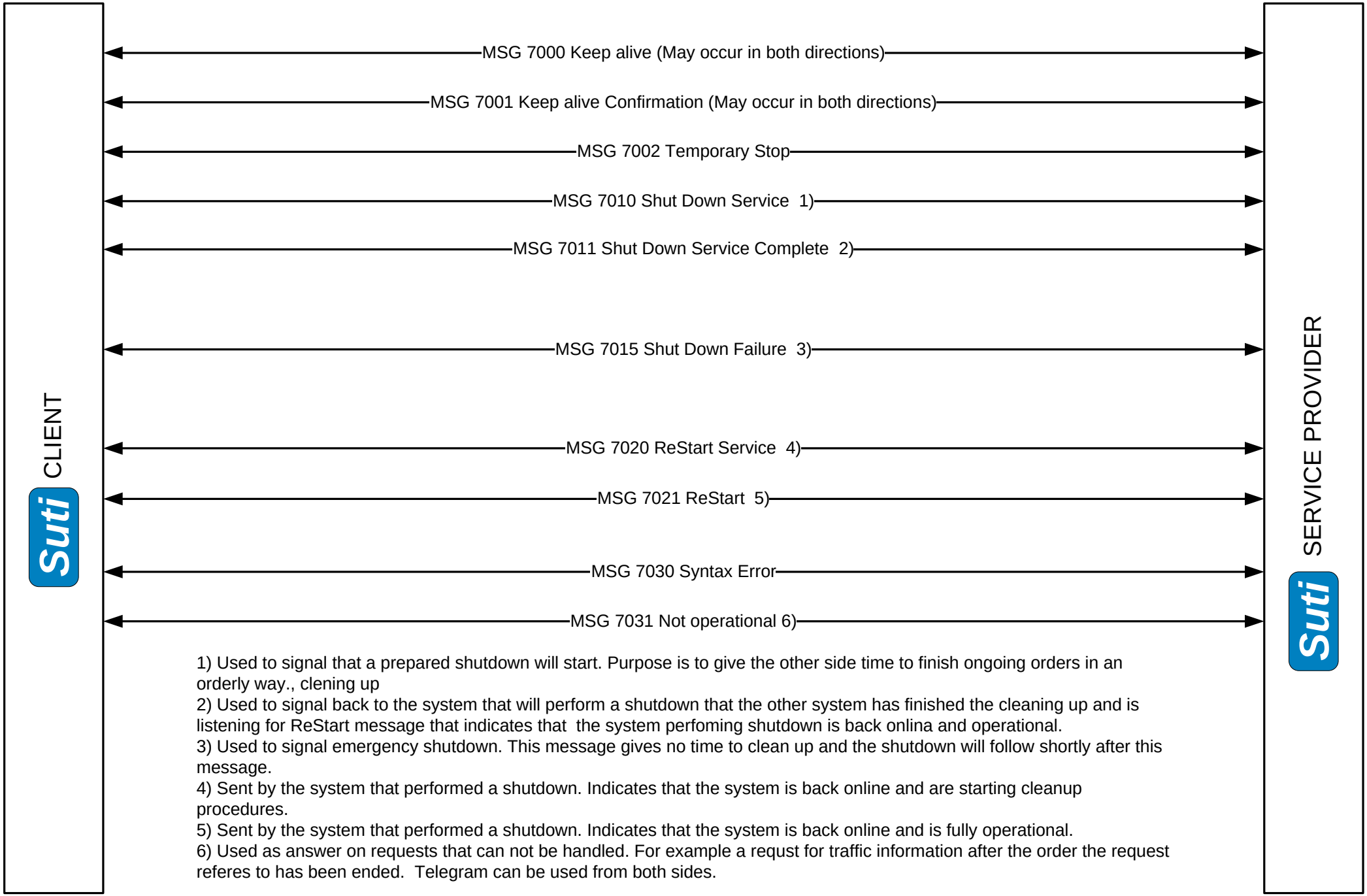


1) Used to request position from Server provider or Vehicle. The answer includes the location in lat/ long.
2) Includes request from Vehicle for voicecommunication with Client.

BLOCK 60: REPORT



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.

COMMON DEMANDS

-Secure information about Sender, Reciever
-Timestamp from sending system
-TelegramID used to uniqelly identify every sent message. Format shall be YYYYMMDDXXXXXXXXXXX. YYYY is the year the message is sent. MM is the month the message is sent. DD is the date the message is sent. XXXXXXXXXXX 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.