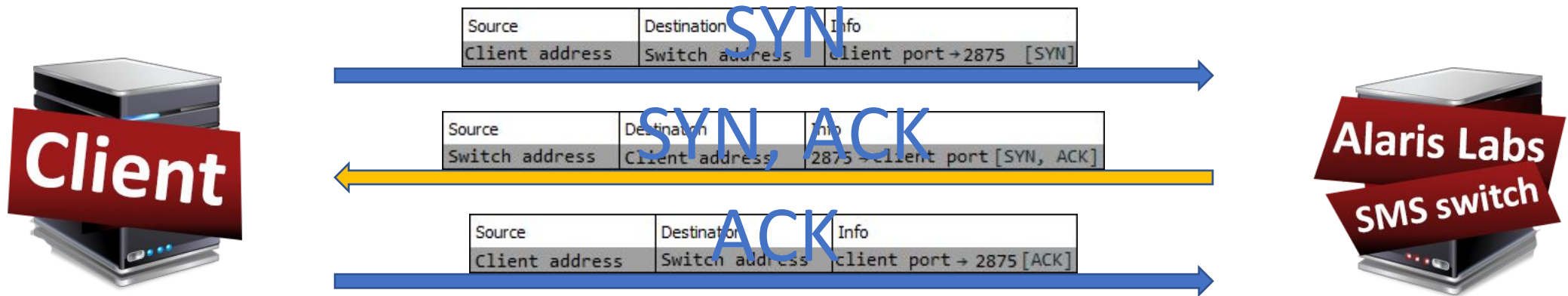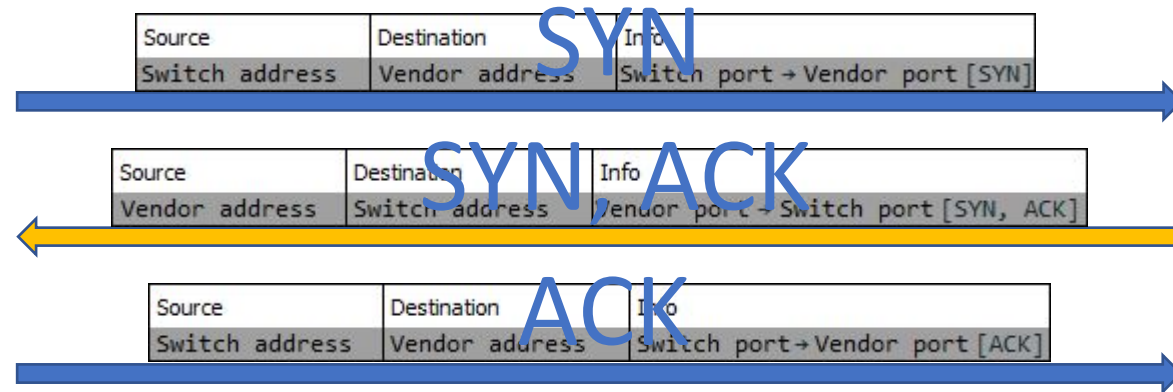# TCP-interconnection between client and Alaris SMS switch

3-way handshake procedure

TCP-interconnection between Alaris SMS switch and vendor

Source	Destination	Info
Switch address	Vendor address	Switch port → Vendor port [SYN]

SYN

Source	Destination	Info
Vendor address	Switch address	Vendor port → Switch port [SYN, ACK]

SYN, ACK

Source	Destination	Info
Switch address	Vendor address	Switch port → Vendor port [ACK]

ACK

*Switch ports range - 49152 to 65535

3-way handshake procedure

SMPP-interconnection between client and Alaris SMS switch

Connection setup phase

BIND(TX,RX,TR)

Source	Destination	Info
Client address	Switch address	Bind(System ID, Password, system type)

BIND RESPONSE

Source	Destination	Info
Switch address	Client address	Bind - resp: "Ok"

ENQUIRE LINK

Source	Destination	Info
Client address	Switch address	Enquire_link

ENQUIRE LINK RESPONSE

Source	Destination	Info
Switch address	Client address	Enquire_link - resp: "Ok"
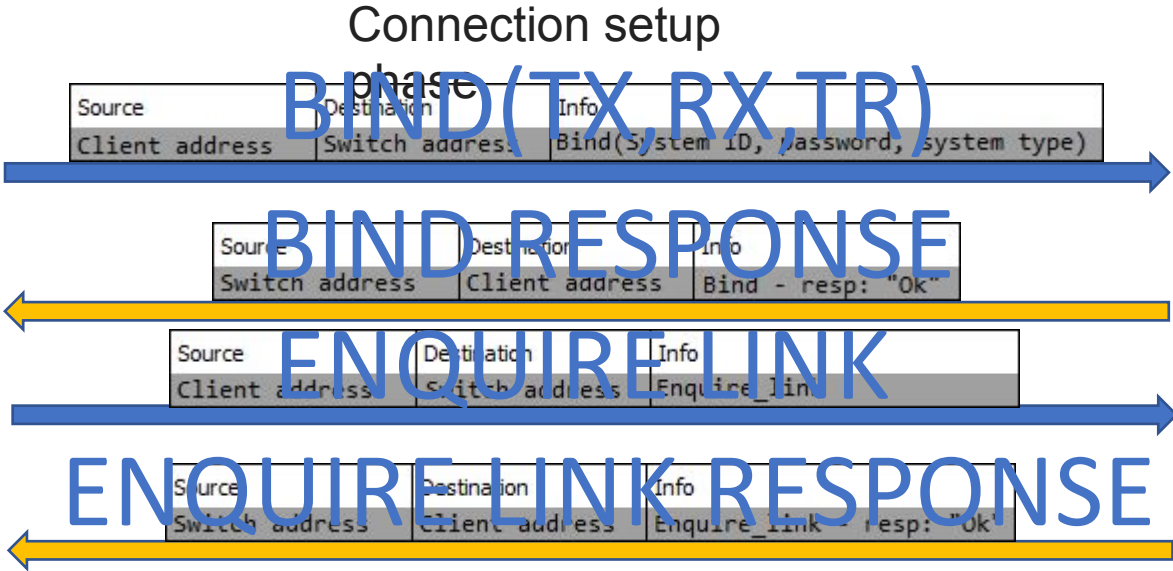
Connection maintenance phase

SMPP-interconnection between Alaris SMS switch and vendor

Connection setup phase

Source	Destination	Info
Switch address	Vendor address	Bind(System ID, password, system type)

BIND(TX, RX, TR)

Source	Destination	Info
Vendor address	Switch address	Bind resp: "ok"

BIND RESPONSE

Source	Destination	Info
Switch address	Vendor address	Enquire_link

ENQUIRE LINK

Source	Destination	Info
Vendor address	Switch address	Enquire_link resp: "ok"

ENQUIRE LINK RESPONSE

Connection maintenance phase

Full chain of message sending from client to vendor through Alaris SMS switch
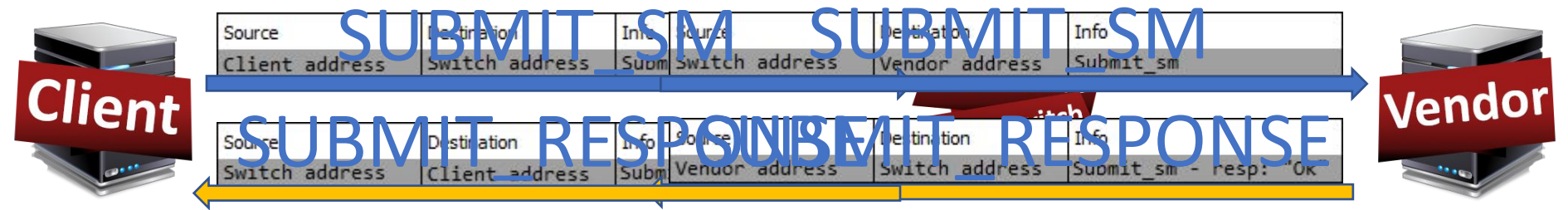
Full chain of getting delivery report from vendor to client through Alaris SMS switch

DELIVER_SM

Source	Destination	Info	Destination	Info
Switch address	Client address	Deliver_sm	Switch address	Deliver_sm

DELIVER_RESPONSE

Source	Destination	Info	Destination	Info
Client address	Switch address	Deliver_sm - resp: "Ok"	Vendor address	Deliver_sm - resp: "Ok"