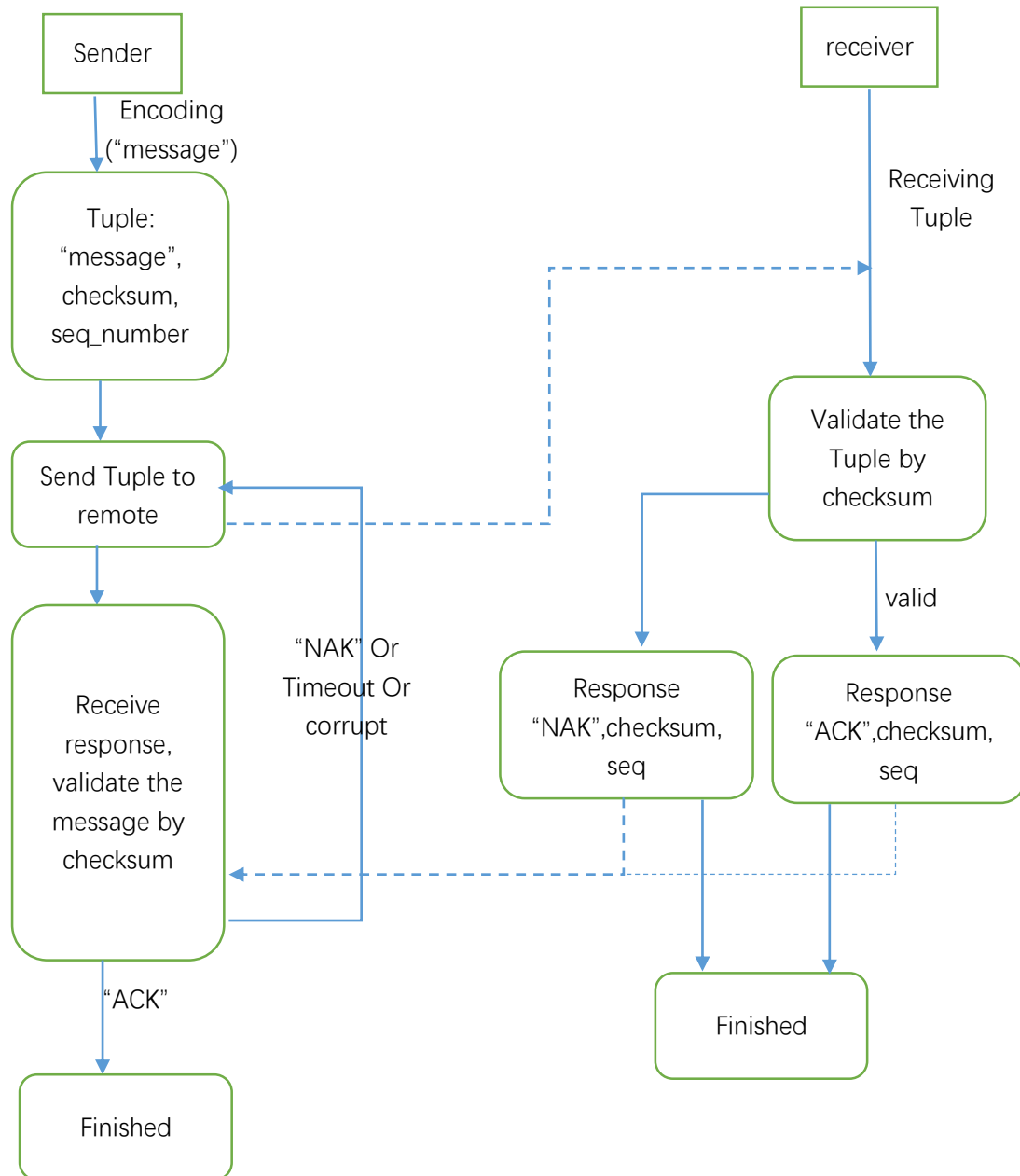The implementation of reliable transfer

Sending message/reliableSendto()

Receiving message/reliableRecvfrom()

Sender

Encoding
("message")

Tuple:
"message",
checksum,
seq_number

Send Tuple to
remote

"NAK" Or
Timeout Or
corrupt

Receive
response,
validate the
message by
checksum

"ACK"

Finished

receiver

Receiving
Tuple

Validate the
Tuple by
checksum

valid

Response
"NAK",checksum,
seq

Response
"ACK",checksum,
seq

Finished

Transfer file protocol: