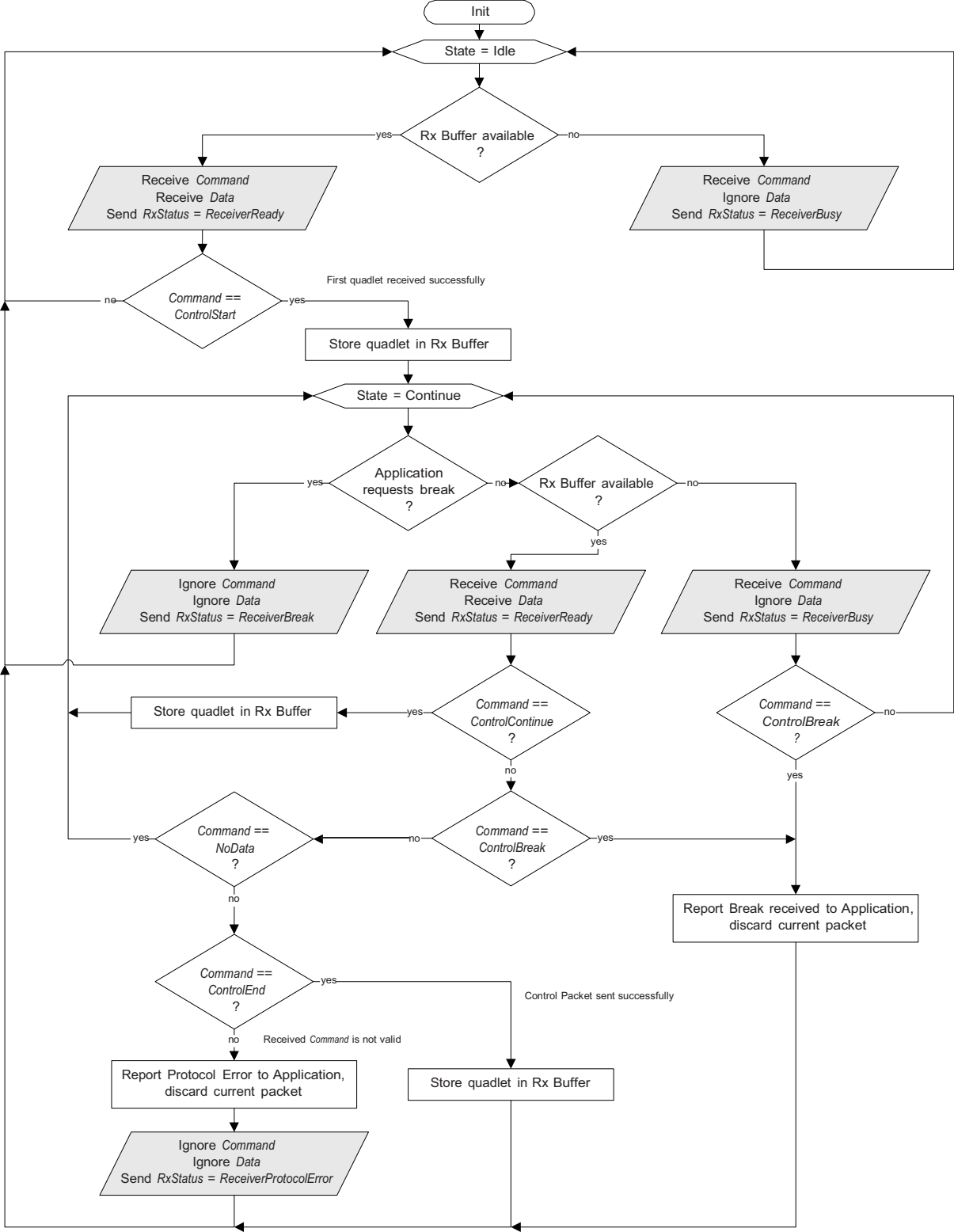
Init
State = Idle
Rx Buffer available ?
yes
no
Receive Command
Receive Data
Send RxStatus = ReceiverReady
Receive Command
Ignore Data
Send RxStatus = ReceiverBusy
Command == ControlStart
no
yes
First quadlet received successfully
Store quadlet in Rx Buffer
State = Continue
Application requests break ?
yes
no
Rx Buffer available ?
no
yes
Ignore Command
Ignore Data
Send RxStatus = ReceiverBreak
Receive Command
Receive Data
Send RxStatus = ReceiverReady
Receive Command
Ignore Data
Send RxStatus = ReceiverBusy
Store quadlet in Rx Buffer
Command == ControlContinue ?
yes
Command == ControlBreak ?
no
yes
no
Command == NoData ?
yes
Command == ControlBreak ?
no
yes
Report Break received to Application, discard current packet
Command == ControlEnd ?
yes
no
Control Packet sent successfully
Received Command is not valid
Report Protocol Error to Application, discard current packet
Store quadlet in Rx Buffer
Ignore Command
Ignore Data
Send RxStatus = ReceiverProtocolError