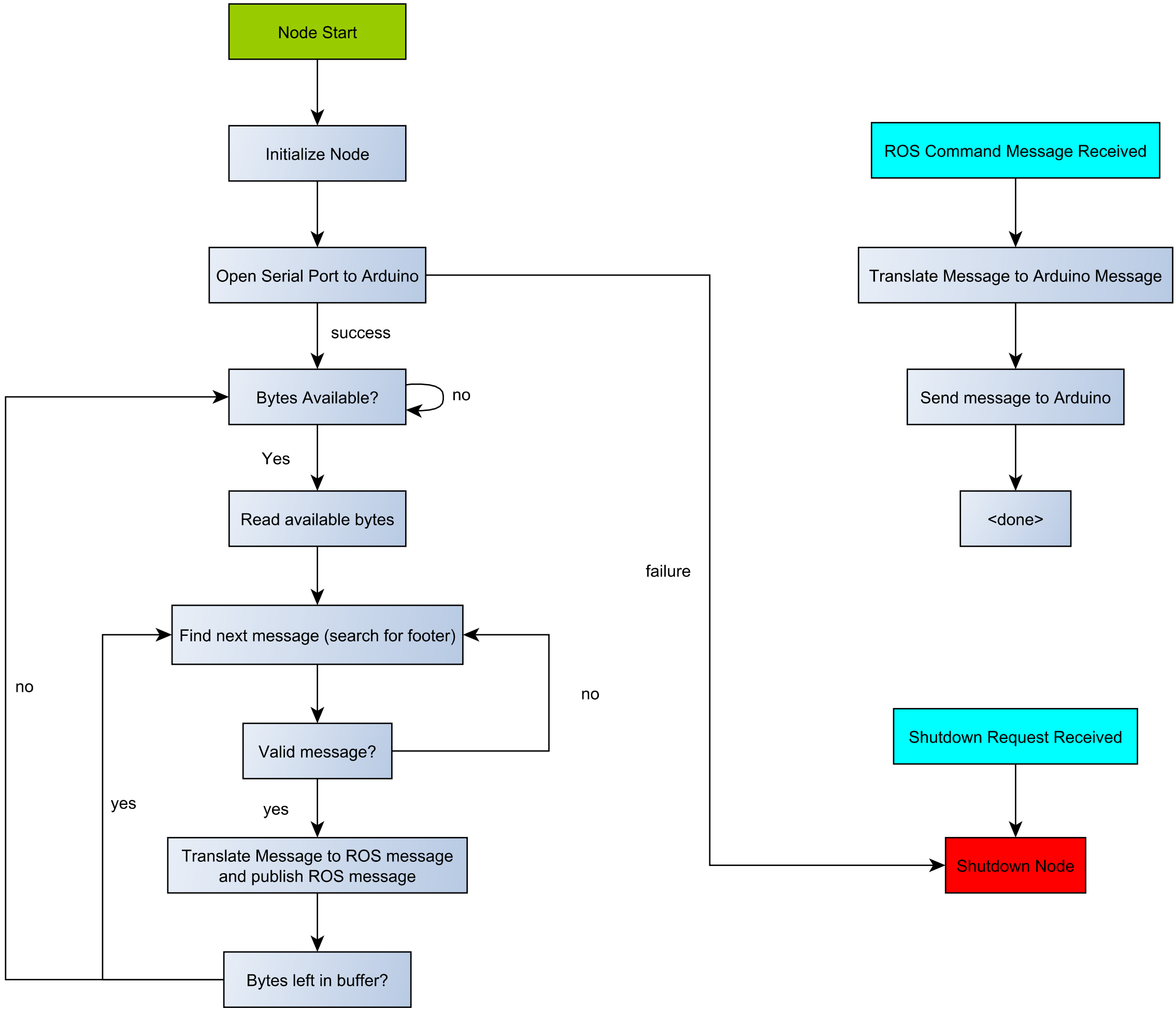
Node Start
Initialize Node
Open Serial Port to Arduino
success
failure
Bytes Available?
no
Yes
Read available bytes
Find next message (search for footer)
no
Valid message?
no
yes
yes
Translate Message to ROS message and publish ROS message
Bytes left in buffer?
ROS Command Message Received
Translate Message to Arduino Message
Send message to Arduino
<done>
Shutdown Request Received
Shutdown Node