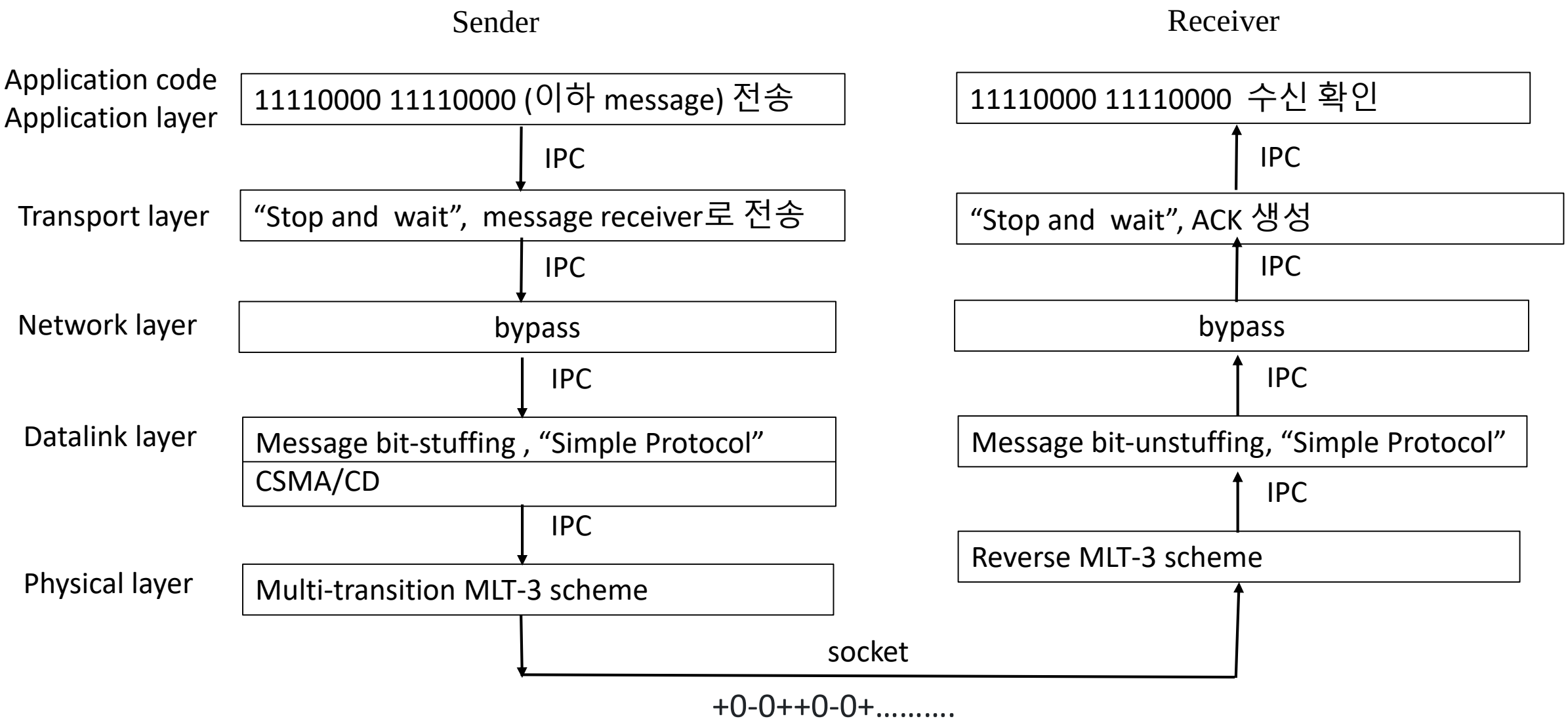
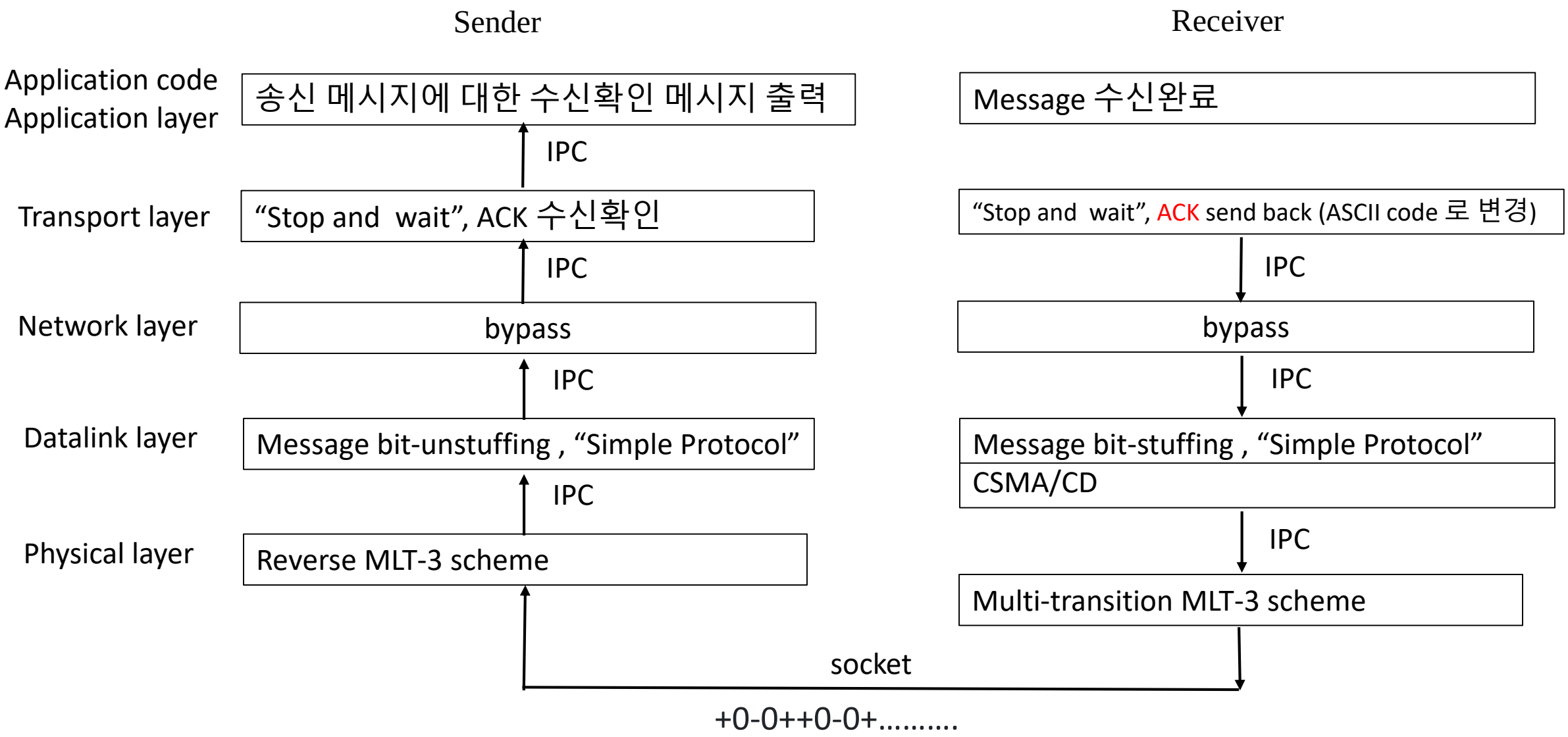
Scenario (1/2)


Sender
Receiver
Application code
Application layer
11110000 11110000 (이하 message) 전송
11110000 11110000 수신 확인
IPC
IPC
Transport layer
"Stop and wait", message receiver로 전송
"Stop and wait", ACK 생성
IPC
IPC
Network layer
bypass
bypass
IPC
IPC
Datalink layer
Message bit-stuffing , "Simple Protocol"
CSMA/CD
Message bit-unstuffing, "Simple Protocol"
IPC
IPC
Physical layer
Multi-transition MLT-3 scheme
Reverse MLT-3 scheme
socket
+0-0++0-0+.....

Scenario (2/2)


Sender
Receiver
Application code
Application layer
송신 메시지에 대한 수신확인 메시지 출력
Message 수신완료
IPC
Transport layer
"Stop and wait", ACK 수신확인
"Stop and wait", ACK send back (ASCII code 로 변경)
IPC
IPC
Network layer
bypass
bypass
IPC
IPC
Datalink layer
Message bit-unstuffing , "Simple Protocol"
Message bit-stuffing , "Simple Protocol"
CSMA/CD
IPC
IPC
Physical layer
Reverse MLT-3 scheme
Multi-transition MLT-3 scheme
socket
+0-0++0-0+.....