

Project 2 – Packet Encapsulation
ECE 312 Communication Networks

Deegan Blasko

Tanner Staus

2/14/2026

```
staustc@RHIT-PW05VX6P:~/ece312/ece312proj2$ ./cli

>>> Sending RHP control message 'hi' (odd length)...

===== Message 1 Response =====
RHP Header:
  Version: 12
  RHP Type: 0 (Control)
  Communication ID: 6260 (0x1874)
  Payload Length: 38
  Payload: ""

Checksum: 0x75BF
Checksum: PASSED

>>> Sending RHP control message 'hello' (even length)...

===== Message 2 Response =====
RHP Header:
  Version: 12
  RHP Type: 0 (Control)
  Communication ID: 6260 (0x1874)
  Payload Length: 38
  Payload: ""

Checksum: 0x75BF
Checksum: PASSED

>>> Sending RHMP Message_Request...

*** Checksum FAILED on attempt 1 for RHMP Message_Request, retrying... ***

===== Message 3 Response =====
RHP Header:
  Version: 12
  RHP Type: 0 (Control)
  Communication ID: 6260 (0x1874)
  Payload Length: 38
  Payload: ""

Checksum: 0x75BF
Checksum: PASSED

>>> Sending RHMP ID_Request...

===== Message 4 Response =====
RHP Header:
  Version: 12
  RHP Type: 0 (Control)
  Communication ID: 6260 (0x1874)
  Payload Length: 38
  Payload: ""

Checksum: 0x75BF
Checksum: PASSED
All messages sent and responses received!
staustc@RHIT-PW05VX6P:~/ece312/ece312proj2$ |
```