* moos variables (shoreside):
  + ACOMMS\_SIM\_IN - transmissions from clients
  + ACOMMS\_SIM\_OUT\_$VNAME - receptions and raw data to clients
  + ACOMMS\_SIM\_REPORT - status reports from clients
* transmission processing:
  + pre-processing done on the incoming transmission
    - does the data actually fit with the specified rate
    - frame packing? - need to look at real data
    - raw transmission end on sending end
  + post-processing done on outgoing to individual clients:
    - ranging results
    - delay on receiving end
* local processing:
  + verify that incoming receptions / raws make sense based on current state

Basic steps and where they occur:

|  |  |
| --- | --- |
| 1. Transmission started by posting to MOOS variable [vehicle] | Transmitting vehicle |
| 1. Transmission assembled and posted to ACOMMS\_SIM\_IN [shoreside]. Transmitter state set to transmitting | Transmitting vehicle |
| 1. Shoreside places end transmission raw data for sender – will revert transmitter state to ready | Shoreside |
| 1. pre-processing on incoming transmission, mostly error/validity checking | shoreside |
| 1. create receptions for all receiving vehicles | Shoreside |
| 1. queue raw data ‘begin receiving’ and receptions for all vehicles | Shoreside |