



Session initiation and refresh protocol

0: `next_call = now() + idle_time()`

1: `if (now() > next_call) {
 sample signal strengths
 send signal report
 i = report.iterator()
 current tower = i.next()
 send request to current tower
}`

2: `if (i.hasNext() && response == FAIL) {
 send failure report
 current tower = i.next()
 send request to current tower
}`

3: `if (i.hasNext() && response == TIME_OUT) {
 send time_out report
 current tower = i.next()
 send request to current tower
}`

4: `if (!i.hasNext()) {
 send call failed
}`

5: `if (response == CONNECT) {
 t_heartbeat = now() + 2 * u() * HEART_BEAT
 release messages to current tower
}`

6: `if (u() < p2) {
 send END
}`

7: `if (now() > heartbeat) {
 send HEARTBEAT
}`