Server Drone

## **ADMP**

automated drone flight management protocol

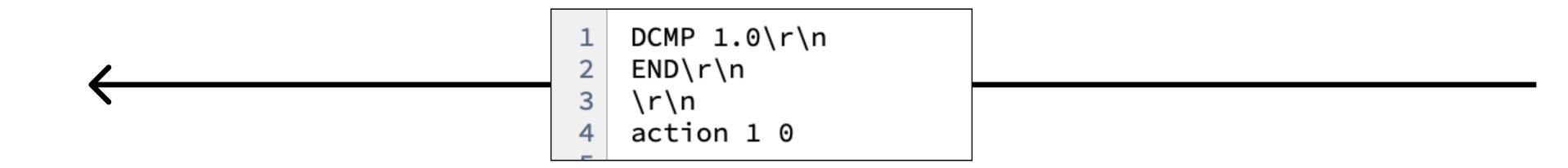


```
1 DCMP 1.0\r\n
2 WAKE\r\n
3 201 OK\r\n
4 \r\n
5 set timeval 200\r\n
6 set camera_server 187.10.92.1\r\n
7 set camera_port 60003\r\n
```

```
1 DCMP 1.0\r\n
2 PUSH\r\n
   ES46020-098-0001\r\n
4 SG9sYU11bmRvMTIzRWxlbmFFc0ZlYQ==\r\n
6 {"gps": [12.01, 12.8], "alt": 60.3, "orientation": 48.3, "humidity": 12, "smoke": 100}\r\n
```

```
1 DCMP 1.0\r\n
 RECEIVE\r\n
  \r\n
 action 124 10\r\n
  action 100 0\r\n
 action 124 5\r\n
```

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## register code:

7xx:

700 Stop

## AAANNNN-RRR-PPPP

AAA = COUNTRY CODE in ISO3166-1 alpha-3 NNNNN = NUMBER= REGISTRANT CODE PPPP = DRONE PROPUSE 0001 Emergency drone 0002 Police drone 0003 Firefighters drone . . . 9999 Public drone

```
code status:
commands:
                                        1xx:
set <instruction> <value>
                                            100 Server Overload
action <movement_code> <meters>
                                             . . .
                                        2xx:
movement code:
                                            200 Ok
                                            201 Ok, but modify
1xx:
                                             . . .
    100 Normal up
   101 Slow up (!)
                                        3xx:
    102 Fast up (!)
                                            300 Server moved
    . . .
                                             . . .
2xx:
                                        4xx:
    200 Normal down
                                            400 Syntax error
    . . .
                                            401 Authentication failed
3xx:
                                            . . .
    300 Normal left
                                        5xx:
    . . .
                                            500 Server collapsed
4xx:
                                            501 Server cannot response
    400 Normal right
    . . .
5xx:
    500 Normal front
                                   message type:
6xx:
                                   REQUEST -> RESPONSE
    600 Normal back
    . . .
                                   WAKE
                                          -> WAKE
                                                       (Connection)
                                          -> RECEIVE
                                                       (Data transmition)
```

END

CLOSE

-> END

-> CLOSE

(Route finished)

(Force close connection)