**Spike 06 Plan**

**Name: Send a message when a door is left open with the esp8226**

**Context:**

Team needs to be able to control the io pins with Lua script, and send network messages based on the response.

**Knowledge Gap:**

**Skill Gap:** How to write and upload the Lua script that can control the hardware and network capabilities of the esp8226.

The team needs to be able to write and upload code confidently to the esp8226.

**Goals/Deliverables:**

1. Write a Lua script that can detect when a door is open/closed and send a UDP message after a timer has elapsed.
2. Run the script.
3. Observe correct output.

**Planned start date**: 18/03/2015

**Deadline:** 1/04/2015

**Planning notes:**

1. Follow the tutorial at
   1. https://github.com/geekscape/nodemcu\_esp8266
2. Note any steps or issues that arises beyond the tutorial.