

Use Case: CES Device Session

Primary Actor: CES Device User

Stakeholders and Interests:

- CES Device User - wants to use Cranio-Electro stimulation to treat their condition(s).
- Manufacturing Company - wants to make sure that the electrotherapy is working as intended.

Precondition:

There is enough battery to activate the CES device, there are no malfunctioning parts for this device. The device must also be powered on.

Success Guarantee:

The device emits an electrotherapeutic treatment for the desired length of time, or until the battery is no longer charged.

Main Success Scenario:

1. Turn on device (include Power On)
2. CES Device battery levels light up (Green, Yellow, Red) with powers increasing in ascending order from one to eight.
3. User presses the power button again to select the time period (twenty-minutes, forty-five-minutes, user-designated).
4. User chooses a session (MET, sub-delta, delta-theta, alpha, beta1, beta2, 100hz).
5. Click the checkmark to confirm the selection.
6. CES enters test mode to check for electrical connection.
7. User adjusts intensity until the stimulation can barely be felt.

Extensions:

- 4a. A User can specify to record a therapy.
 - After the treatment, the user can add the therapy to persistent memory, containing the session type, duration, and intensity level.
- 4b. CES does a routine check.
 - The CES device needs to check to see if earclips are properly attached, prompting an error otherwise.