Checklist for personalized NIBS for L2 learning

- **Before arrival**
  - ☐ (>4h) **Battery check**: Amplifier, Stimulator
  - ☐ (>1h) **Equipment check**:
    - ☐ EEG: dry clean cap, trigger sending, task manager **(port permission)**
    - ☐ Waveform generator: (**port permission**)
    - ☐ Stimulator: REMOTE, SIGNAL OUT, Output using oscilloscope
    - ☐ Earphone & Microphone: play audio file and recording voice.
  - ☐ (>1h) **Docs check**:
    - ☐ Docs: Consent, payment, feedback/quiz and protocol forms
    - ☐ Identifier & Stim. frequency
  - ☐ (>1h) **Tools check**: Tissues, 2*cotton swabs, 2*syringes, EEG gel, Ten20 paste, 4*EOG stickers
- **Preparation**
  - ☐ Introduce lab (Only for the first time)
  - ☐ Give consent form to subject and receive it signed
  - ☐ Get a glass of drink and bring snack for subject
  - ☐ Explain task
  - ☐ **Follow EEG setup**
  - ☐ Put "Do not disturb" signs on both doors
- **Recording**
  - ☐ Start NeurOne recording ⇒ "paradigm_practice.py" ⇒ Answer question ⇒ "paradigm_main.py"
    - ☐ In practice stage, **adjust volume** on computer to be comfortable for subject
  - ☐ Battery warning
    - ☐ Amplifier: wait for next break ⇒ stop recording ⇒ change battery ⇒ start recording ⇒ Note down the break.
    - ☐ Stimulator: wait for next break ⇒ stop recording ⇒ run "safe_stop.sh" ⇒ run "safe_start.sh" ⇒ start recording ⇒ Note down the break
  - ☐ Denote anything out of the ordinary in the study protocol, e.g. loud noises, breaks in recording, faulty equipment
  - ☐ During breaks: offer water, ask if everything is ok
- **After Recording**
  - ☐ Hand out and receive feedback form
  - ☐ Make appointment for next session (if applicable)
  - ☐ Pay subject and receive signed payment form
  - ☐ Export data and save it to NI share
  - ☐ Shut down EEG equipment, stimulator and computers
  - ☐ Definfection EEG equipment, stimulator and computers
  - ☐ Clean EEG cap, stimulator rubber electrodes
  - ☐ Charge batteries