

 Aalto University School of Science	Operation Instructions at Aalto Behavioral laboratory EXPERIMENT CHECKLIST	Author, date: Veli-Matti Saarinen, 26.4.2019 Edited:
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Name of the Permission	Date
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The purpose of this checklist is to be documentation for the researcher's experiment design in the ABL and point out noticeable issues. Tick the check boxes when you have handled the issues, fill extra information if needed or requested.

Go through this document with personnel before measurements.

General

- Read ABL Operations instructions
- Apply for research permission
 - Supporting statement from appropriate ethics committee (Aalto, HUS, UH, etc.)
 - Financial obligation
 - Persons who can reserve time
- Training courses _____
- Read the stimulus system and device instructions
- Assistance needed
- Key card access to ABL

Measurement Rooms

- AC
- DC (EEG, remote eye tracker, versatile stimulus synchronization)
- Else _____

Monitoring devices

- EEG
- Number of EEG-caps: 1 , 2
- Number of channels: 32, 64
- Extra channels _____
- Sampling rate _____ Hz
- TTL-triggering (numbers 1-255)
- Name of the workspace _____ .rwksp
- Raw file folder _____
- Channel layout (10-20)



EXPERIMENT CHECKLIST

Remote eye tracker (EyeLink 1000 plus)

- Remote (250/500Hz) / Standard (up to 2000Hz) - requires a chin rest
- Sampling rate 250 500 1000 2000 Hz
- Chinrest Forehead rest
- Monocular Binocular(max 1000Hz)
- Eye glasses Contact lenses
- Max viewing angle 32° (min distance ≈ 90cm with full screen)

Synchronization

- PresLink Prexel TTL-pulses, else? _____
- Manual Recording

Mobile eye tracker (Eye Tracking Glasses), number of glasses: 1 2

- Lens correction set
- Mobile recording unit
- Remote online monitoring (WLAN router)
- Synchronization _____

Thermal Camera

- Flir Tools Research IR Manually
- Synchronization _____

Data Logger

- EMG, number of sensors: _____
positions: _____
- GSR, hand _____, else _____
- ECG
- Accelerometer, positions _____
- Protocol name _____
- Remote recording
- On-line viewing/recording
- Synchronization _____

Stimulus system

Stimulus Software

- Presentation, version _____
- Experiment Builder, version _____
- PsychoPy, version _____
- Matlab, version _____
- _____
- Experiment folder and file name on Stimulus PC _____
- Logfiles saved?



EXPERIMENT CHECKLIST

Else _____

Visual stimulus

- Stimulus monitor DC
 - Frequency, default 60Hz (up to 144Hz) _____
 - Resolution default (1920x1080) _____
- Stimulus monitor AC
 - Frequency, default 60Hz _____
 - Resolution default (1920x1080) _____
- Timing issues _____
- Special Settings _____

Audio stimulus

- DC**
- Panel Speakers (Panphonics)
 - Headphones (HD600)
 - Earphones (Etymotic)
 - Measure and adjust dB levels before measurement _____ dB
 - Setup file name in TotalMix FX _____ .tmss
 - Setup file name in EMU _____ ?
 - Frequency (max 32kHz with Fireface UCX) _____ kHz
 - Else _____

- AC**
- Speakers (AC)
 - Headphones (HD600)

Response device

- Keyboard
- Mouse
- Response pad, 6 buttons (CEDRUS)
- Else _____

Thermal Stimulator

- Software _____

Else
