

## Options for physiological data file(s)

Option 1: one file for each monitored quantity (pros: more flexibility; one can decide to add new quantities in the future)

### Heart rate data file

**Description:** This file shall contain the time-series of the heart rate signal measured by a sensor.

**Name of the file:** subject\_N\_run\_R\_HR where N = subject's number and R = run number. Use appropriate leading zeros for R and N to ensure proper ordering of files.

**File format:** .csv

**File structure:**

*Table 1. Heart rate file structure*

time	Heart rate
...	....

*Table 2. Heart rate file unit*

time	Heart rate
ms	unit

### Heart rate variability data file

**Description:** This file shall contain the time-series of the heart rate variability signal measured by a sensor.

**Name of the file:** subject\_N\_run\_R\_HRV where N = subject's number and R = run number. Use appropriate leading zeros for R and N to ensure proper ordering of files.

**File format:** .csv

## File structure:

Table 3. Heart rate variability file structure

time	Heart rate variability
...	....

Table 4. Heart rate variability file unit

time	Heart rate variability
ms	unit

## Respiration rate data file

**Description:** This file shall contain the time-series of the respiration rate signal measured by a sensor.

**Name of the file:** subject\_N\_run\_R\_RR where N = subject's number and R = run number. Use appropriate leading zeros for R and N to ensure proper ordering of files.

**File format:** .CSV

## File structure:

Table 5. Respiration rate file structure

time	Respiration rate
...	....

Table 6. Respiration rate variability file unit

time	Respiration rate
ms	unit

## Galvanic skin response data file

**Description:** This file shall contain the time-series of the galvanic skin response measured by a sensor.

**Name of the file:** subject\_N\_run\_R\_GSR where N = subject's number and R = run number. Use appropriate leading zeros for R and N to ensure proper ordering of files.

**File format:** .csv

**File structure:**

*Table 7. Galvanic skin response file structure*

time	Galvanic skin response
...	....

*Table 8. Galvanic skin response file unit*

time	Galvanic skin response
ms	unit

Option 2: one file containing all the monitored quantities (pros: more compact data storage)

**Description:** This file shall contain all the time-series of the physiological signals relative to a single run.

**Name of the file:** subject\_N\_run\_R\_physiologicalData where N = subject's number and R = run number. Use appropriate leading zeros for R and N to ensure proper ordering of files.

**File format:** .csv

**File structure:**

*Table 1. Physiological data file structure*

<b>time</b>	<b>Heart rate</b>	<b>Heart rate variability</b>	<b>Respiration rate</b>	<b>Galvanic skin response</b>
...	....	....	...	

*Table 2. Physiological data file unit*

<b>time</b>	<b>Heart rate</b>	<b>Heart rate variability</b>	<b>Respiration rate</b>	<b>Galvanic skin response</b>
ms	unit	unit	unit	unit