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| Title | **Semantics and examples correction of biosensor data** |
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| Re: |  |
| Abstract | This contribution proposes the corrections of semantics and examples for representing biosensor information in the physical world in a standardized data format.  |
| Purpose | To start discussion on purpose of the standard |
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# Data formats for biosensors

## Blood pressure sensor

### Semantics

The semantics of the bloodPressureSensorData:

| *Name* | *Definition* |
| --- | --- |
| bloodPressureSensorData | Provides a structure for descrbing sensor data aquired by a blood pressure sensor. |
| systolicBloodPressure | Describes the value of the systolic blood pressure with the millimeters of mercury (mmHg). |
| diastolicBloodPressure | Describes the value of the diastolic blood pressure with the millimeters of mercury (mmHg). |
| meanArterialPressure | Describes the value of the mean arterial pressure with the millimeters of mercury (mmHg). |

### Examples

In this example, the systolic blood pressure measured by the blood pressure sensor is 130, the diastolic blood pressure is 78, and the mean arterial pressure is 99.

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| {“sensedInfoBaseAttributes”: {},“bloodPressureSensorType”: { “systolicBP”: 130, “diastolicBP”: 78, “MAP”: 99,}} |

## Heart beat rate sensor

### Semantics

The semantics of the heartBeatRateSensorData:

| Name | Definition |
| --- | --- |
| heartBeatRateSensorData | Provides a structure for describing sensor data aquired by a heart beat rate sensor. |
| heartBeatRate | Describes the value of the heart rate with the beats per minute (BPM). |

### Examples

In this example, the heart beat rate value measured by the heart beat rate sensor is 87 BPM.

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| {“sensedInfoBaseAttributes”: {},“heartRateSensorType”: { “value”: 87,}} |