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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 bloodPressureSensorType:

| *Name* | *Definition* |
| --- | --- |
| bloodPressureSensorType | Tool for describing sensor data for a blood pressure sensor. |
| systolicBP | Describes the sensed value of the systolic blood pressure with the millimeters of mercury (mmHg). |
| diastolicBP | Describes the sensed value of the diastolic blood pressure with the millimeters of mercury (mmHg). |
| MAP | Describes the sensed 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 rate sensor

### Semantics

The semantics of the heartRateSensorType:

| Name | Definition |
| --- | --- |
| heartRateSensorType | Tool for describing sensor data for a heart rate sensor. |
| value | Describes the sensed value of the heart rate with the beats per minute (BPM). |

### Examples

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

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