Permitted Characteristics

Bluetooth® Document

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Abstract:

This is a regularly updated document listing characteristics that are permitted for use with certain Bluetooth services.

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1 Introduction

All characteristic formats in this document are defined in the GATT Specification Supplement (GSS) [1] unless otherwise specified. All characteristic UUIDs in this document are defined in the Assigned Numbers [2].



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2 Services

2.1 Environmental Sensing Service Characteristics

The list below specifies the characteristics that are permitted for use with the Environmental Sensing Service (ESS).

- Apparent Wind Direction
- · Apparent Wind Speed
- · Barometric Pressure Trend
- · Dew Point
- Elevation
- · Gust Factor
- Heat Index
- Humidity
- Irradiance
- · Magnetic Declination
- Magnetic Flux Density 2D
- Magnetic Flux Density 3D
- Pollen Concentration
- Pressure
- Rainfall
- · Temperature
- · True Wind Direction
- · True Wind Speed
- UV Index
- · Wind Chill
- · Ammonia Concentration
- · Carbon Monoxide Concentration
- · Methane Concentration
- Nitrogen Dioxide Concentration
- Non-Methane Volatile Organic Compounds Concentration
- · Ozone Concentration
- Particulate Matter PM1 Concentration
- Particulate Matter PM2.5 Concentration
- Particulate Matter PM10 Concentration
- · Sulfur Dioxide Concentration
- Sulfur Hexafluoride Concentration

2.2 User Data Service Characteristics

The list below specifies the characteristics that are permitted for use with the User Data Service (UDS).

- · Activity Goal
- Aerobic Heart Rate Lower Limit
- Aerobic Heart Rate Upper Limit
- Aerobic Threshold
- Age
- · Anaerobic Heart Rate Lower Limit
- Anaerobic Heart Rate Upper Limit
- · Anaerobic Threshold
- · Caloric Intake
- · Date of Birth
- Date of Threshold Assessment
- Device Wearing Position
- · Email Address
- · Fat Burn Heart Rate Lower Limit
- · Fat Burn Heart Rate Upper Limit
- First Name
- Five Zone Heart Rate Limits
- · Four Zone Heart Rate Limits
- Gender
- Handedness
- Heart Rate Max
- Height
- · High Intensity Exercise Threshold
- · High Resolution Height
- · Hip Circumference
- Language
- · Last Name
- · Maximum Recommended Heart Rate
- · Middle Name
- Preferred Units
- · Resting Heart Rate
- Sedentary Interval Notification
- · Sport Type for Aerobic and Anaerobic Thresholds
- Stride Length
- · Three Zone Heart Rate Limits
- · Two Zone Heart Rate Limits
- VO2 Max
- · Waist Circumference
- Weight

3 References

[1] GATT Specification Supplement

(https://www.bluetooth.com/specifications/gatt/)

[2] Assigned Numbers

(https://www.bluetooth.com/specifications/assigned-numbers/)



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