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Requirements and Specification for stress detection algorithm Addendum D4.4

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Trans.Safe Consortium

Trans.Safe (AAL-2013-6-064.) is a project within the AAL Joint Programme Call 6
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Abbreviations

Abbrev.	Description
envGW	Environmental gateway
MVVM	Model – View - View Model
wGW	Wearable Sensor gateway

1 Introduction

This document has the aim to describe requirements and specification about the acquisition and analysis of data, as currently are implemented. There are reported both software specifications and hardware specification. There is also an indication on the communication protocol used to acquire data from sensors.

Specification

Software specifications:

	Description	Implemented? (Y/N)
Operative System	Windows 7 and following versions	Y
Acquisition phase	actually the data are acquired using interfaces developed in C# language (Visual studio IDE) from all the sensors we have. The only requirements the system needs is Windows as OS.	Y
Analysis phase	the data acquired are currently analyzed off-line, using Matlab® (R2012a).	Y

Hardware specifications

	Description
Personal Computer characteristics	Actually the acquisition phase is conducted on a PC with the following characteristics: Intel Core i7-5500U (4M Cache, 2.4 GHz) -8GB DDR3L - AMD Radeon R7 M260 2 GB - 1TB HDD - Windows 7 Pro 64-bit
Communication protocol	If the pc integrated bluetooth does not work, , it is sufficient to use a bluetooth dongle. Currently we are using a KRAUN (V2.1+EDR) with these characteristics: Type: Bluetooth Dongle Interface: 2.0 USB Chipset: Broadcom 2046 Bluetooth Version: Adapter bluetooth v2.1 EDR Bluetooth Backward Compatibility: backward compatible with version 2.0