# DAPAS

## D3.3 Pre-Version

### DAPAS - Deploying AAL Packages at Scale

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**Abstract:**

This deliverable aims to describe the Pre-Version system of the DAPAS solution. It contains content about some details like the aim of the version, the provided functions and equipment as well as information about the installation.

## 0.1. Versions and Changes

| Version | Date | Changes | Name | Organisation |
|---------|------|---------|------|--------------|
| 0.1 | 21.01.2020 | Generation of the document | Simone Stückler | EXT |
| 0.2 | 12.02.2020 | Initial content | Sabrina Stani | EXT |
| 0.3 | 17.02.2020 | Review content | Simone Stückler | EXT |
| 0.4 | 17.02.2020 | Include feedback | Sabrina Stani | EXT |
| 0.5 | 17.02.2020 | Review document | Sabine Pasterk | RCS |
| 1.0 | 18.02.2020 | Include feedback and release document | Sabrina Stani | EXT |

## 0.2. List of Authors

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# 1. ABOUT THIS DOCUMENT

## 1.1. Role of the deliverable

This deliverable aims to describe the results of the Pre-Version system of the DAPAS solution. It contains content about some details like the aim of the version, the provided functions and equipment as well as information about the installation.

## 1.2. Relationship to other DAPAS deliverables

The deliverable is related to the following DAPAS deliverables:

| Deliverable | RELATION |
| --- | --- |
| D3.4 Starter-Version | This deliverable describes the Starter-Version of the DAPAS solution and is therefore related to this deliverable. |
| D3.5 Value-Version | This deliverable describes the Value-Version of the DAPAS solution and is therefore related to this deliverable. |
| D3.6 Premium-Version | This deliverable describes the Premium-Version of the DAPAS solution and is therefore related to this deliverable. |

*Figure 1: Relationship to other DAPAS deliverables*

# 2. Pre-Version

## 2.1. Objectives

The aim of the Pre-Version was to test the technical requirements of the DAPAS solution. The Pre-Version has been rolled out in an very early stage of the project to check if the technical requirements at the home of elderly people can be fulfilled. We particular tested the integration of the Emma voice control system with the emergency system of the Red Cross Styria, as preparation to the Value-Version and to gain experiences of its integration and technical feasibility for the implementation within the project. The experience gained from this Pre-Version has also be incorporated into the rollout concept of the DAPAS project. The Pre-Version only focused on the technical aspects as well as the examination related to the compatibility of certain functions (especially voice control system) and is therefore excluded from the trial.

## 2.2. Installation

The installation of the Pre-Version of the DAPAS project has been installed in households in Graz and Hausmannstätten (Styria) in December 2018. The test phase lasted for eight months and has been already

uninstalled in August 2019 . Two older adults and four staff members of the Red Cross Styria have tested the system and put special focus on the technical requirements at the home of elderly people.



*Figure 1: Picture of the training of the user*



*Figure 2: Picture of all involved people at the installation*

## 2.3. Functions

The Pre-Version consists of the voice control system as well as the emergency call device. Both components will be included in the trial in the Value-Version.  The following functions are included in the Pre-Version which needed to be tested technically in the homely environment of older adults:

- Emergency call of the Red Cross Styria
- Medication reminder
- Appointment reminder
- Sending messages
- Emma Voice Control

## 2.4. Conclusion

The Pre-Version of DAPAS has shown the technical feasibility of the functions listed above as well as technical requirements at the homely environment of elderly people. Furthermore, the emergency call was successfully processed through the Pre-Version testing phase, even though a lot of effort was needed in order to ensure a smooth utilization and activation of the emergency call, as many technical challenges had to be solved during the implementation and testing phase of the Pre-Version. In addition to the technical feasibility a lot of inputs were given that has been included in the development of the other three DAPAS versions. The inputs and findings were documented by the use of an excel sheet. As a result, the Pre-Version was very valuable for checking and testing technical aspects, but also to gain a lot of knowledge and feedback for the later Value-Version and some functions included in that phase.