



Agile CoCreation of Robots for Ageing

Deliverable 5.1 Platform environment for Step 2

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Abbreviations and Definitions

Abbreviation	Definition
ICT	Information and Communication Technologies
ACCRA	Agile CoCreation of Robots for Ageing

Executive Summary

The deliverable D5.1 aims at describing the technical elements to prepare the robots for the co-creation phase.

- to put together the technologies for robotics and platform technologies that will be used for step 2 (agile co-creation);
- Role of Platform level solutions (i.e. universAAL, FIWARE);
- Role of Platform specific features (i.e. software defined technologies);
- Role of Robotics solutions.

The deliverable is written as follows:

- The User Needs provided by D2.2, D3.2 and D4.2 (respectively for the walking aid use case, the daily life activities, the conversation use case) are summarized so that the reader can understand the application requirements.
- The application requirements for each use case are then presented as they are provided by the D2.1, D3.1, D4.1).
- The section 4 is providing the level of abilities of the two robots ASTRO and Buddy before the co-creation phase and the level expected to reach after the project. The taxonomy used is based on the MAR Robotics 2020 Multi Annual Roadmap¹.
- The section 5 provides technical scenario provided by engineers who have prepared the robot for the first co-creation meeting.
- The section 6 provides an overview of the hardware and software architecture of the ACCRA system derived from the global study.

¹ https://eu-robotics.net/cms/upload/downloads/ppp-documents/Multi-Annual_Roadmap2020_ICT-24_Rev_B_full.pdf

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