## e-Accessible Service System: Calibrator and Communicator

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Abstract. Augmentative and Alternative Communication (AAC) includes various communication methods used by people with speech and language various communication methods used by people with speech and language impairments, and is often aided by electronic devices such as smartphones or a simple property of the property

Keywords: alternative and augmentative communication, symbols, automatic interface adaptation, calibrator, communicator.

## 1 Introduction

Augmentative and Alternative Communication (AAC) includes various methods of communication used by people with complex communication needs. Depending on whether AAC uses any external tools, it can be divided into two categories unaided and aded. While unaided AAC relies solely on messages transmitted by user's body, aided AAC uses additional electric or non-electric devices to facilitate communication for people with speech and language impairments. Low-tech aids are usually very simple AAC or non-dedicated devices like personal computers, tablets, smartphones, etc.) offer many opportunities to ease application of AAC. They are able to send retrieve electronic messages, store large amount of information and present it in a way that will help users communicate faster and more efficiently [1].

AAC methods are based on the use of graphic and textual symbols (rather than written words alone) to represent certain objects, actions, or concepts. Besides the communication, symbols are beneficial for learning and development of complex expressions [2].

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