
**Information technology — Mobile item
identification and management — Service
broker for Mobile AIDC services**

*Technologies de l'information — Gestion et identification d'élément
mobile — Courtier en service pour services AIDC mobiles*



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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Introduction

Mobile AIDC is a version of the AIDC technology that is combined with mobile communications. A Mobile AIDC terminal is a mobile phone that has one or more types of embedded AIDC device functions. It accesses AIDC media (e.g., labels, tags, etc.) information in the same manner as existing AIDC devices. In a typical Mobile AIDC service architecture, Mobile AIDC terminal gets the location information of information content which is associated with Mobile Item Identifier (MII) stored in AIDC media through MII resolution process with Object Directory Service (ODS) directly. The information content provided by content provider may not be guaranteed to be adequate to the Mobile AIDC terminal in terms of capabilities of terminal or service policy of service provider. If the information content is not suitable to the Mobile AIDC terminal, the information content cannot be used in the Mobile AIDC terminal. For preventing this situation, a service broker can be applied optionally to a typical Mobile AIDC service architecture to enforce service policies on Mobile AIDC information content. By a service broker, MII recognition and resolution related functions are performed in a service broker, which improves the functionality and efficiency over a Mobile AIDC terminal that includes these functions. This International Standard specifies the functions of a service broker and the interface between Mobile AIDC terminals and a service broker.

There are alternative techniques to meet the use case addressed by this International Standard. One of those techniques is to use EPC and ONS. Further information on this technique can be obtained from GS1.

