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INTERNATIONAL STANDARD



**Internet of things (IoT) – Data exchange platform for IoT services –
Part 1: General requirements and architecture**

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Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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INTRODUCTION

IoT implements various services in many fields, such as "Remote Management of Large Equipment in a Plant", "Warehouse Goods Monitoring", "IoT Endpoint (Sensors and Actuators) Monitoring Systems", etc. The IoT architecture can be categorized into vertical and horizontal approaches. For small deployments in limited areas, the vertical approach is possible. However, for large scale deployments, the horizontal approach is required, and then introducing the concept of a common platform is helpful for implementing various services. In the horizontal approach, information processing and networking are positioned as the platform. And also, the types of IoT services are increasing in different application fields. To make IoT services more creative and productive, data exchange between various IoT services needs to be supported and a common platform for data exchange is the simplest way. This document has been developed in accordance with a detailed study of a platform that supports various IoT use cases.