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SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

Broadband, triple-play and advanced multimedia
services – Ubiquitous sensor network applications and
Internet of Things

Multimedia information access triggered by tag-based identification – Identification scheme

Recommendation ITU-T H.642.1



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Recommendation ITU-T H.642.1

Multimedia information access triggered by tag-based identification – Identification scheme

Summary

Recommendation ITU-T H.642.1 defines an identification scheme for multimedia information access triggered by tag-based identification. Multimedia information associated with such an identifier can be retrieved using a resolution process.

This Recommendation provides a framework for accommodating the legacy existing identification schemes together with the new identification scheme defined here using a pair of object identifiers for the identification scheme and identifier itself.

History

Edition	Recommendation	Approval	Study Group
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Identification scheme, identifier.

FOREWORD

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In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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Introduction

The identification scheme defined in this Recommendation provides a new method for accessing multimedia content without typing its address on a keyboard or inputting the name of objects and/or places of relevant information. This is a major communication service that uses an identifier in data carriers such as radio frequency identifications (RFIDs), smart cards and barcodes.

The purpose of this Recommendation is to specify a new identification scheme to be used in applications and services where the existing identification schemes and their combinations cannot be used (see Appendix I for some examples).

From the standpoint of compatibility and reusability of existing identifier schemes, this Recommendation provides a framework to support multiple identification schemes. In this framework, it is possible that multiple existing identification schemes together with the proposed new identification scheme can be used for identification where appropriate. Each identification scheme is identified by an object identifier (OID) according to [ITU-T X.660].

Clause 6 introduces the concept of multiple identification schemes for multimedia information access triggered by tag-based identification.

Clause 7 specifies a new generic identification scheme for multimedia information access triggered by tag-based identification.

Appendix I provides additional information which explains why a new generic identification scheme is needed.