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TECHNICAL SPECIFICATION

**Digital cellular telecommunications system (Phase 2+);
Universal Mobile Telecommunications System (UMTS);
LTE;
Syndicated Feed Reception (SFR) within 3GPP environments;
Protocols and codecs
(3GPP TS 26.150 version 13.0.0 Release 13)**



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Introduction

Syndicated feeds, using technologies such as Atom and Really Simple Syndication (RSS), are widely used on today's Internet for various scheduled pull applications such as podcast. There are a number of non-compatible proprietary extensions and a number of different RSS variants that may need to be installed and updated.

OMA DCD has defined Channel and Content Metadata and related mechanisms for content delivery (including RSS and ATOM feeds) using Content Metadata XML extensions independently of any bearers. As a consequence there are no specific optimizations for 3GPP services/bearers. OMA DCD specification allows embedding of OMA DCD XML namespace elements into RSS and Atom document (RSS and Atom feed "content packaging formats"). The OMA DCD Channel and Content Metadata are intended to offer different content delivery alternatives to receivers.

The Syndicated Feed Reception (SFR) specification intends to define the optimized reception for any existing syndicated feeds using 3GPP specific bearers. SFR re-uses OMA DCD procedures and metadata for client server transactions.

1 Scope

The present document defines a set of media codecs, formats and transport/application protocols to enable syndicated feed reception within the 3GPP system.

The present document includes information applicable to network operators, service providers and manufacturers.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
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- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 41.001: "GSM Specification set".
- [3] RSS Advisory Board: "Really Simple Syndication 2.0".
- [4] IETF RFC 4287: "The Atom Syndication Format".
- [5] Open Mobile Alliance:: "OMA Dynamic Content Delivery V1.0", June 2009.
- [6] 3GPP TS 26.234: "Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs".
- [7] 3GPP TS 26.244: "Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)".
- [8] 3GPP TS 26.346: "Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs".
- [9] Open Mobile Alliance: "OMA Push V2.2", June 2009.
- [10] IETF RFC 4281: "The Codecs Parameter for Bucket Media Types", Gellens R., Singer D. and Frojdh P., November 2005.
- [11] Open Mobile Alliance: "User Agent Profile Version 2.0", February 2006.

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

Syndicated Feed: A document, formatted according to RSS, ATOM, DCD or other syndicated feed formats, which is frequently updated with new content updates.

Syndicated Feed Reader: The client, which receives and processes one or more syndicated feed formats.