

Guidelines for Creating Content for the PSP™ (PlayStation® Portable) RSS Channel

Version 3.80

© 2007 Sony Computer Entertainment Inc.
All Rights Reserved.

[Trademarks]

"PlayStation" is a registered trademark of Sony Computer Entertainment Inc.

"PSP" is a trademark of Sony Computer Entertainment Inc.

"XMB" is a trademark of Sony Corporation and Sony Computer Entertainment Inc.

"Mozilla" is a trademark of the Mozilla Foundation.

[Terms and Conditions]

All rights (including, but not limited to, copyright) pertaining to all the materials and information that are made available from this Guideline are managed, owned, or used with permission by, SCEI. All materials on this Guideline are protected by copyright laws, and other applicable laws. Except for personal, non-commercial, internal use, you are prohibited from using (including, without limitation, copying, modifying, reproducing in whole or in part, uploading, transmitting, distributing, licensing, selling and publishing) any of the materials, without obtaining SCEI's prior written permission.

The contents of this Guideline are not guaranteed to be valid for future versions of system software.

SCEI OR ANY OF ITS AFFILIATES SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF ANY CHANGE OF THE SYSTEM SOFTWARE SPECIFICATIONS.

Table of Contents

1 About This Document	4
Overview	4
Terminology.....	4
Related Documents.....	5
2 Version History	6
3 RSS Document Specifications	8
Character Codes	8
Text Format.....	8
Restrictions on the Number of Characters.....	8
Displaying Tag Information	8
Item Extraction Conditions.....	9
Viewing, Listening to, or Browsing Items (Before Saving).....	11
Viewing, Listening to, or Browsing Items (After Saving).....	11
Folder and File Names Used for Saving Items	12
Channel Thumbnail Image	13
Item Thumbnail Image.....	13
XML Entities.....	13
Sample RSS Document.....	14
4 Requirements of HTTP Servers that Distribute RSS Documents	18
URL	18
MIME type	18
Protocol.....	18
5 Requirements of HTTP Servers that Distribute Content Files	19
URL	19
Protocol.....	19
6 RSS Channel HTTP Client Specifications	20
User-Agent	20
7 RSS Channel Save Function Specifications	21
Selection Rules for Items to be Saved by the PSP™	21
Thumbnail Image of the Channel to be Saved by the PSP™	22
Thumbnail Image of the Item to be Saved by the PSP™.....	22
8 Appendix	23
Requirements on Playable Video Content	23

1 About This Document

Overview

This document provides information and guidelines that must be followed when creating Web content for the PSP™ RSS channel. Specifically, it contains the following information.

- PSP™ client specifications
- Tags that are used in RSS documents and how they should be used in the PSP™ RSS channel
- Server requirements for distributing Web content for the PSP™ RSS channel
- Other information

This document should be referenced when creating Web content for the PSP™ RSS channel. However, PSP™ RSS channel client specifications may change later due to extensions of the specification, bug fixing, or quality improvements. Therefore, the contents of this document are not guaranteed to be valid for future versions of the PSP™ system. When there are differences between different versions of the PSP™ system, they will be clearly indicated.

Terminology

RSS Channel

The overall mechanism in the PSP™ for receiving content that is distributed via RSS is called the RSS channel. This includes functions for registering RSS document URLs, receiving RSS documents, displaying a list of distributed content in the XMB™ of the PSP™, and browsing and playing the content.

Channel

Among the icons and information displayed in the XMB™ of the PSP™, a channel corresponds to a <channel> tag in an RSS document.

Item

Among the icons and information displayed in the XMB™ of the PSP™, an item corresponds to an <item> tag in an RSS document.

Related Documents

The RSS channel complies with or supports several standards. For details, refer to the documents listed below.

Protocol

[RFC2616] Hypertext Transfer Protocol – HTTP/1.1

URL/URI

[RFC2396] Uniform Resource Identifiers (URD): Generic Syntax

MIME type

[RFC2936] HTTP MIME Type Handler Detection

RSS

RSS 2.0 Specification

<http://blogs.law.harvard.edu/tech/rss>

Media RSS

"Media RSS" Specification Version 1.1.1

<http://search.yahoo.com/mrss>

XML

Extensible Markup Language (XML) 1.0 (Third Edition)

W3C Recommendation 04 February 2004

<http://www.w3.org/TR/2004/REC-xml-20040204>

2 Version History

System Version	Additions/Modifications	Reference Location
2.60	Added RSS channels	Entire document
2.70	Added save function to RSS channels	Chapter 3 "Folder and File Names Used for Saving Items" All of Chapter 7
	Added "m4a" extension to RSS channel item extraction conditions	Chapter 3 "Item Extraction Conditions"
2.80	Added MIME types and extensions to the RSS channel item extraction conditions for video and still images	Chapter 3 "Item Extraction Conditions"
	Added video and still images to the RSS channel folder and file names used for saving	Chapter 3 "Folder and File Names Used for Saving Items"
	Added format types and whether or not items can be viewed, listened to, or browsed	Chapter 3 "Viewing, Listening to, or Browsing Items (Before Saving)" "Viewing, Listening to, or Browsing Items (After Saving)"
	Added some text describing the specification for the thumbnail image of the channel to be saved	Chapter 7 "Thumbnail Image of the Channel to be Saved by the PSP™"
3.00	Added some text about how multiple <enclosure> elements are handled within an <item> element	Chapter 3 "Item Extraction Conditions"
	Added MIME-Type and extension for video (Motion JPEG) to the RSS channel item extraction conditions	Chapter 3 "Item Extraction Conditions"
	Added video (Motion JPEG) to the RSS channel folder and file names used for saving	Chapter 3 "Folder and File Names Used for Saving Items"
	Added video (Motion JPEG) to the format types and whether or not item can be viewed, listened to, or browsed	Chapter 3 "Viewing, Listening to, or Browsing Items (Before Saving)" "Viewing, Listening to, or Browsing Items (After Saving)"
3.10	Added an entry concerning handling of <link> elements	Chapter 3 "Restrictions on the Number of Characters" "Displaying Tag Information"
	Changed rules for how RSS channel save file names are generated	Chapter 3 "Folder and File Names Used for Saving Items"

System Version	Additions/Modifications	Reference Location
3.30	Added an entry concerning handling of <media:content> elements	Chapter 3 "Displaying Tag Information" and "Item Extraction Conditions"
	Added display specifications for thumbnail images of items	Chapter 3 "Item Thumbnail Image"
	Added specifications for thumbnail images of items that are saved	Chapter 7 "Thumbnail Image of the Item to be Saved by the PSP™"
3.80	Added still image format types that can be browsed before saving	Chapter 3 "Viewing, Listening to, or Browsing Items (Before Saving)"

3 RSS Document Specifications

The RSS channel reads and displays RSS documents that comply with [RSS 2.0](#) and "[Media RSS](#)". This chapter presents details of the RSS document specifications.

Character Codes

Only UTF-8 is supported.

Text Format

Character data in tags must be plain text. Even if HTML or another markup language is used, it is processed as is, as character data.

Restrictions on the Number of Characters

The maximum length of the value of an XML tag depends on the tag, as shown below.

XML Tag	Maximum Size	Maximum Number of Characters	Supported System
<title>	768	256	2.60 or later
<description>	1020	340	2.60 or later
<copyright>	768	256	2.60 or later
<link>	256	256	3.10 or later
<author>	768	256	2.60 or later
<url>	256	256	2.60 or later
<pubDate>	64	64	2.60 or later

If a value is larger than the maximum size or if it exceeds the maximum number of characters, then if it is used as character data, the part over the limit is displayed as "...". If the data is used for internal processing, it is treated as an invalid value.

Displaying Tag Information

The following table shows whether an XML tag applies to a <channel> tag or an <item> tag, and where it is displayed.

XML Tag	<channel>	<item>	Screen Where it is Displayed	Supported System
<title>	○	○	XMB™ channel list Channel information screen Item information screen	2.60 or later
<description>	○	○	Channel information screen Item information screen	2.60 or later
<copyright>	○	—	Channel information screen	2.60 or later
<link>	○	—	Channel information screen	3.10 or later
<author>	—	○	Item information screen	2.60 or later
<enclosure> (url attribute)	—	○	Item information screen	2.60 or later
<pubDate>	—	○	XMB™ channel list Item information screen	2.60 or later
<media:content> (url attribute)	—	○	Item information screen	3.30 or later

Item Extraction Conditions

Whether or not an item is extracted is determined by the <enclosure> attribute and <pubDate> value. A single channel can include more than one type of format.

(1) <enclosure>/<media:content> attribute

If the url attribute extension or any MIME type in a type attribute is supported, the corresponding item is displayed in the item list of the RSS channel. Supported extensions and MIME types are shown below.

MIME Type of type Attribute Value	Extension of url Attribute Value	Format Type	Supported System
audio/mp3	—	Audio: MP3	2.60 or later
audio/x-mp3	—	Audio: MP3	2.60 or later
x-audio/mp3	—	Audio: MP3	2.60 or later
audio/aac	—	Audio: MP4 (AAC)	2.60 or later
audio/x-aac	—	Audio: MP4 (AAC)	2.60 or later
x-audio/aac	—	Audio: MP4 (AAC)	2.60 or later
audio/m4a	—	Audio: MP4 (AAC)	2.60 or later
audio/x-m4a	—	Audio: MP4 (AAC)	2.60 or later
x-audio/m4a	—	Audio: MP4 (AAC)	2.60 or later
audio/mp4	—	Audio: MP4 (AAC)	2.60 or later
audio/x-mp4	—	Audio: MP4 (AAC)	2.60 or later
x-audio/mp4	—	Audio: MP4 (AAC)	2.60 or later
video/mp4	—	Video: MP4	2.80 or later
video/x-mp4	—	Video: MP4	2.80 or later
x-video/mp4	—	Video: MP4	2.80 or later
video/m4v	—	Video: MP4	2.80 or later
video/x-m4v	—	Video: MP4	2.80 or later
x-video/m4v	—	Video: MP4	2.80 or later
video/avi	—	Video: AVI(Motion JPEG)	3.00 or later

MIME Type of type Attribute Value	Extension of url Attribute Value	Format Type	Supported System
video/x-avi	—	Video: AVI(Motion JPEG)	3.00 or later
x-video/avi	—	Video: AVI(Motion JPEG)	3.00 or later
image/jpeg	—	Still image: JPG	2.80 or later
image/gif	—	Still image: GIF	2.80 or later
image/png	—	Still image: PNG	2.80 or later
image/tiff	—	Still image: TIFF	2.80 or later
image/bmp	—	Still image: BMP	2.80 or later
—	mp3	Audio: MP3	2.60 or later
—	mp4	Audio: MP4(AAC)	2.60, 2.70, 2.71
—	m4a	Audio: MP4(AAC)	2.70 or later
—	mp4	Video: MP4	2.80 or later
—	m4v	Video: MP4	2.80 or later
—	avi	Video: AVI(Motion JPEG)	3.00 or later
—	jpeg	Still image: JPG	2.80 or later
—	jpg	Still image: JPG	2.80 or later
—	gif	Still image: GIF	2.80 or later
—	png	Still image: PNG	2.80 or later
—	tiff	Still image: TIFF	2.80 or later
—	tif	Still image: TIFF	2.80 or later
—	bmp	Still image: BMP	2.80 or later
audio/mpeg	—	Audio: MP3	2.60 or later
audio/x-mpeg	—	Audio: MP3	2.60 or later
x-audio/mpeg	—	Audio: MP3	2.60 or later
audio/mpg	—	Audio: MP3	2.60 or later
audio/x-mpg	—	Audio: MP3	2.60 or later
x-audio/mpg	—	Audio: MP3	2.60 or later
audio/mpegurl	—	Audio: MP3	2.60 or later
audio/x-mpegurl	—	Audio: MP3	2.60 or later
x-audio/mpegurl	—	Audio: MP3	2.60 or later
video/mpeg	—	Video: MP4	2.80 or later
video/x-mpeg	—	Video: MP4	2.80 or later
x-video/mpeg	—	Video: MP4	2.80 or later

Priority when there is an <enclosure> element and a <media:content> element within an <item> element

The <enclosure> element takes precedence, and the <media:content> element is ignored.

Priority when there are multiple <enclosure>/<media:content> elements within an <item> element

For systems: 2.60, 2.70, 2.71, 2.80, 2.81 and 2.82

The first <enclosure> element that satisfies the extraction conditions is extracted.

For system: 3.00 or later

The <enclosure> element having the highest priority is extracted, based on the priority order shown in the above table.

(2) <pubDate> value

The value of the pubDate tag determines the order in which the items are displayed in the item list of the RSS channel. The latest 100 items are displayed with the most recent item displayed first.

An item that does not have a legal pubDate value is not displayed.

Viewing, Listening to, or Browsing Items (Before Saving)

The following table lists format types and whether or not items of those types can be viewed, listened to, or browsed (before saving).

Format Type	Whether or Not Item Can be Viewed, Listened to, or Browsed (Before Saving)	Supported System
Audio: MP3	○	2.60 or later
Audio: MP4 (AAC)	○	2.60 or later
Video: MP4	×	–
Video: AVI (Motion JPEG)	×	–
Still image: GIF	○	3.80 or later
Still image: JPEG	○	3.80 or later
Still image: PNG	○	3.80 or later
Still image: BMP	○	3.80 or later
Still image: TIFF	○	3.80 or later

Viewing, Listening to, or Browsing Items (After Saving)

The following table lists format types and whether or not items of those types can be viewed, listened to, or browsed (after saving).

Format Type	Whether or Not Item Can be Viewed, Listened to, or Browsed (After Saving)	Supported System
Audio: MP3	○	2.70 or later
Audio: MP4 (AAC)	○	2.70 or later
Video: MP4	○	2.80 or later
Video: AVI (Motion JPEG)	○	3.00 or later
Still image: GIF	○	2.80 or later
Still image: JPEG	○	2.80 or later
Still image: PNG	○	2.80 or later
Still image: BMP	○	2.80 or later
Still image: TIFF	○	2.80 or later

Folder and File Names Used for Saving Items

The following table shows the relationship between the save format type and the folder name/file name used for saving items.

Format Type	Folder Creation Position	Folder Name	File Name	Extension	Supported System
Audio: MP3	/PSP/MUSIC	*1	*2	mp3	2.70, 2.71
Audio: MP4 (AAC)	/PSP/MUSIC	*1	*2	mp4	2.70, 2.71
Audio: MP3	/MUSIC	*1	*2	mp3	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Audio: MP4(AAC)	/MUSIC	*1	*2	mp4	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Video: MP4	/VIDEO	*1	*2	mp4	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Video: AVI (Motion JPEG)	/VIDEO	*1	*2	avi	3.00, 3.01, 3.02, 3.03
Still image: GIF	/PICTURE	*1	*2	gif	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Still image: JPEG	/PICTURE	*1	*2	jpg	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Still image: PNG	/PICTURE	*1	*2	png	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Still image: BMP	/PICTURE	*1	*2	bmp	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Still image: TIFF	/PICTURE	*1	*2	tif	2.80, 2.81, 3.00, 3.01, 3.02, 3.03
Audio: MP3	/MUSIC	*1	*3	mp3	3.10 or later
Audio: MP4(AAC)	/MUSIC	*1	*3	mp4	3.10 or later
Video: MP4	/VIDEO	*1	*3	mp4	3.10 or later
Video: AVI (Motion JPEG)	/VIDEO	*1	*3	avi	3.10 or later
Still image: GIF	/PICTURE	*1	*3	gif	3.10 or later
Still image: JPEG	/PICTURE	*1	*3	jpg	3.10 or later
Still image: PNG	/PICTURE	*1	*3	png	3.10 or later
Still image: BMP	/PICTURE	*1	*3	bmp	3.10 or later
Still image: TIFF	/PICTURE	*1	*3	tif	3.10 or later

*1 The folder name will be a string starting with "[RSS] " and followed by the value of the <title> element that is inside the <channel> element.

*2 The file name will be a string corresponding to the file name of the url attribute of the <enclosure> element. Note that when multiple items have the same file names, items will be

generated that might not be downloadable.

*3 The file name will be a string corresponding to the value of the <title> element that is inside the <item> element. Note that when the file names of multiple items are the same, some items will not be able to be downloaded.

Channel Thumbnail Image

An <image> tag is used for displaying the channel icon.

The image file of the url attribute is used as the thumbnail image for the channel that is displayed in the channel list. The supported image codecs are as follows.

- GIF
- JPEG
- PNG
- TIFF
- BMP

The size of the image file must not exceed 200KB.

The size of a decoded image must not exceed 720 pixels in both the vertical and horizontal directions.

Item Thumbnail Image

For system: 3.30 or later

The file that is specified in the url attribute of a <media:thumbnail> tag is used as the icon for the item. The maximum width that can be specified is 160 and the maximum height that can be specified is 120.

The image file of the url attribute is used as the thumbnail image for the item that is displayed in the item list. The supported image codecs are as follows.

- JPEG

The size of the image file must not exceed 200KB.

The size of a decoded image must not exceed 160 pixels vertically and 120 pixels horizontally.

XML Entities

The five characters shown below have special meanings in XML, so they must be replaced by the respective XML entities when used in character data (these are defined in 4.6 Predefined Entities of Extensible Markup Language (XML) 1.0 (Third Edition)).

Character	Name	XML Entity
&	ampersand	&
<	less-than sign	<
>	greater-than sign	>
'	apostrophe	'
"	quotation	"

All other characters can be directly entered in an editor that supports UTF-8. The entities can also be specified by a numeric character reference that identifies the Unicode value of the character. Some examples are shown below. (For more detailed information, refer to Extensible Markup Language (XML) 1.0 (Third Edition): Appendix D Expansion of Entity and Character References (Normative).)

Character	Name	Numeric Character Reference
©	copyright sign	©
™	trade mark sign	™
®	registered trademark sign	®

Sample RSS Document

```

<?xml version="1.0" encoding="UTF-8" ?>
<rss version="2.0">
  <channel>
    <title>Sample Channel</title>
    <link>http://www.example.com/</link>
    <description>This is sample contents.</description>
    <language>en-us</language>
    <copyright>(c) 2005 example.com. All rights reserved.</copyright>
    <image>
      <url>http://www.example.com/xxx/xxx.jpg</url>
      <title>Sample Channel</title>
    </image>
    <item>
      <title>Music item 1</title>
      <link>http://www.example.com/xxx/</link>
      <description> classic music </description>
      <author>xxx@example.com</author>
      <pubDate>Mon, 1 Jan 2005 10:00:00 +0000</pubDate>
      <enclosure url="http://www.example.com/xxx/sample1.mp3"
        length="1500000" type="audio/mp3"
      />
      <media:thumbnail
        url=" http://www.example.com/xxx/image/thumbnail1.jpg"
        width=" 80" height=" 60"
      />
    </item>
    <item>
      <title>Music item 2</title>

```

```
<link>http://www.example.com/xxx/</link>
<description> classic music </description>
<author>xxx@example.com</author>
<pubDate>Mon, 1 Jan 2005 11:00:00 +0000</pubDate>
<enclosure url="http://www.example.com/xxx/sample2.m4a"
  length="1500000" type="audio/mp4"
/>
<media:thumbnail
  url=" http://www.example.com/xxx/image/thumbnail2.jpg"
  width=" 80" height=" 60"
/>
</item>
<item>
  <title>Video item 1</title>
  <link>http://www.example.com/xxx/</link>
  <description> classic movie </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 12:00:00 +0000</pubDate>
  <enclosure url="http://www.example.com/xxx/sample3.mp4"
    length="1500000" type="video/m4v"
  />
  <media:thumbnail
    url=" http://www.example.com/xxx/image/thumbnail3.jpg"
    width=" 80" height=" 60"
  />
</item>
<item>
  <title>Video item 2</title>
  <link>http://www.example.com/xxx/</link>
  <description> classic movie </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 13:00:00 +0000</pubDate>
  <enclosure url="http://www.example.com/xxx/sample4.avi"
    length="1500000" type="video/avi"
  />
  <media:thumbnail
    url=" http://www.example.com/xxx/image/thumbnail4.jpg"
    width=" 80" height=" 60"
  />
</item>
<item>
  <title>Picture item 1</title>
  <link>http://www.example.com/xxx/</link>
  <description> still picture </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 14:00:00 +0000</pubDate>
  <enclosure url="http://www.example.com/xxx/sample5.jpg"
    length="500000" type="image/jpeg"
  />
  <media:thumbnail
    url=" http://www.example.com/xxx/image/thumbnail5.jpg"
```

```
        width=" 80" height=" 60"
      />
</item>
<item>
  <title>Picture item 2</title>
  <link>http://www.example.com/xxx/</link>
  <description> still picture </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 15:00:00 +0000</pubDate>
  <enclosure url="http://www.example.com/xxx/sample6.gif"
    length="500000" type="image/gif"
  />
  <media:thumbnail
    url=" http://www.example.com/xxx/image/thumbnail6.jpg"
    width=" 80" height=" 60"
  />
</item>
<item>
  <title>Picture item 3</title>
  <link>http://www.example.com/xxx/</link>
  <description> still picture </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 16:00:00 +0000</pubDate>
  <enclosure url="http://www.example.com/xxx/sample7.png"
    length="500000" type="image/png"
  />
  <media:thumbnail
    url=" http://www.example.com/xxx/image/thumbnail7.jpg"
    width=" 80" height=" 60"
  />
</item>
<item>
  <title>Picture item 4</title>
  <link>http://www.example.com/xxx/</link>
  <description> still picture </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 17:00:00 +0000</pubDate>
  <enclosure url="http://www.example.com/xxx/sample8.tif"
    length="500000" type="image/tiff"
  />
  <media:thumbnail
    url=" http://www.example.com/xxx/image/thumbnail8.jpg"
    width=" 80" height=" 60"
  />
</item>
<item>
  <title>Picture item 5</title>
  <link>http://www.example.com/xxx/</link>
  <description> still picture </description>
  <author>xxx@example.com</author>
  <pubDate>Mon, 1 Jan 2005 18:00:00 +0000</pubDate>
```

```
<enclosure url="http://www.example.com/xxx/sample9.bmp"
  length="500000" type="image/bmp"
/>
<media:thumbnail
  url="http://www.example.com/xxx/image/thumbnail9.jpg"
  width="80" height="60"
/>
</item>
</channel>
</rss>
```

4 Requirements of HTTP Servers that Distribute RSS Documents

This chapter lists requirements of an HTTP server that distributes RSS documents to the RSS channel.

URL

The URL of an RSS document must not exceed 256 characters.

Note that this is different from the specification for the PSP™ Internet browser.

MIME type

The MIME type of an RSS document must be one of the following.

- "application/xml"
- "application/rdf+xml"
- "application/rss+xml"
- "text/xml"

When any of the above MIME types are detected in the Content-Type header of the HTTP response message, the PSP™ Internet browser will switch to the RSS channel registration screen.

Protocol

HTTP 1.1 must be used for distributing RSS documents.

The RSS channel cannot obtain an RSS document using HTTPS.

5 Requirements of HTTP Servers that Distribute Content Files

This chapter lists requirements of an HTTP server that distributes content files to the RSS channel.

URL

The URL of a content file must not exceed 256 characters.

Note that this is different from the specification for the PSP™ Internet browser.

Protocol

HTTP 1.1 must be used for distributing audio tracks.

The RSS channel cannot obtain a content file using HTTPS.

The following methods and headers must also be supported.

"Partial GET" Method

The "partial GET" method must be supported. For details, refer to [RFC 2616] Section 9.3.

"Content-Length" Header

A response message that contains a "Content-Length" header must be returned for a "HEAD" or "GET" in a request from the PSP™. For details, refer to [RFC 2616] Section 4.4 and Section 14.13.

6 RSS Channel HTTP Client Specifications

This chapter presents other specifications for an RSS channel HTTP client.

User-Agent

The following user-agents are used by the RSS channel.

When Registering a Channel With the Internet Browser

- User-Agent that is used to identify the Content-Type of the document when a link to RSS is clicked

User-Agent: Mozilla/4.0 (PSP (PlayStation Portable); 2.00)

- User-Agent that is used when requesting an RSS document

User-Agent: PSPRssChannel-agent/1.0.0 libhttp/1.0.0

When Browsing or Playing an Item List via the RSS Channel Menu

- User-Agent that is used when requesting an RSS document when the item list is being browsed.

User-Agent: PSPRssChannel-agent/1.0.0 libhttp/1.0.0

- User-Agent that is used when requesting an audio file when an item is playing

User-Agent: PSPRssChannel-agent/1.0.0 libhttp/1.0.0

7 RSS Channel Save Function Specifications

Supported System

2.70 or later

This chapter describes the specifications of the RSS channel save function. Note that depending on the description method of the RSS document that will be published by the distribution server for the RSS channel or the name of the file to be saved, there may be items generated that are not saved by the PSP™.

Selection Rules for Items to be Saved by the PSP™

This section describes rules for selecting the <item> elements to be saved by the PSP™ from the <item> elements that are described in an RSS document.

The file that is targeted for saving is the file specified in the url attribute of the <enclosure> element within the <item> element that is selected according to the rules described below.

(1) When the Option Menu is Displayed From the Channel Icon of the RSS Channel and "Save" is Selected

The rules that are set in advance in the RSS channel configuration of the PSP™ are applied, and items are saved in the order in which they are displayed on the XMB™ in the RSS channel.

For example, if "newest 2 items" is set in the RSS channel configuration, the top two items that are displayed on the XMB™ will be targeted for saving, and if "all items" is set in the RSS channel configuration, all items that are displayed on the XMB™ will be targeted for saving.

However, if there are multiple <item> elements with the same filename for the file to be saved (the file described in the url attribute of the <enclosure> element within the <item> element, see Folder and File Names Used for Saving Items in Chapter 3), only the newest <item> element will be targeted for saving.

Therefore, to improve usability, the filename of the file to be saved in the <item> element should be made unique by, for example, including a string in the filename or title of the item that contains a serial number or the date.

Files that are not targeted for saving are deleted.

(2) When the Option Menu is Displayed from the Channel Icon of the RSS Channel and "Selective Save" is Selected

This operation enables the user to download multiple channels all at once, however, the

conditions for items to be targeted for saving within a single channel are the same as described above in (1). Files that are not targeted for saving are deleted.

(3) When the Option Menu is Displayed from the Item Icon of the RSS Channel and "Save" is Selected

The <item> element that the user selected on the XMB™ will be targeted for saving.

Thumbnail Image of the Channel to be Saved by the PSP™

This is the same as the "Channel Thumbnail Image" described in Chapter 3.

The channel thumbnail image is saved to the folder where audio is saved but it is not saved to the folders where video and still images are saved.

Thumbnail Image of the Item to be Saved by the PSP™

This is the same as the "Item Thumbnail Image" described in Chapter 3.

The item thumbnail image is saved to the folder where video is saved but it is not saved to the folders where audio and still images are saved.

8 Appendix

Requirements on Playable Video Content

This section describes the requirements for playable video content. Note that even if video content meets the requirements shown below, it still might not be playable depending on the data.

Video Format	File Format	Video		Audio	
H.264 video	m4v, mp4	BaseLine Profile Level 1.3 or lower	768kbps or less 320×240 pixels or less 30 frames/s (fps) or less	AAC	128kbps or less 48kHz or less stereo
		Main Profile Level 2.1 or lower (CABAC only)	4Mbps or less 480×272 pixels or less 30 frames/s (fps) or less		
		Main Profile Level 3.0 or lower (CABAC only)	10Mbps or less 720×480 pixels or less 30 frames/s (fps) or less		
MPEG-4 video	m4v, mp4	Simple Profile Level 1.3 or lower	768kbps or less 320×240 pixels or less 30 frames/s (fps) or less	AAC	128kbps or less 48kHz or less stereo
Motion JPEG video	avi (OpenDML compliant)	7Mbps or less 320×240 pixels and 480×272 pixels 30 frames/s (fps) and 15 frames/s (fps)		μ-LAW	86kbps or less 11.025kHz or less monaural
				Linear PCM	344kbps or less 22.050kHz or less monaural