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# **AP WEBFEEDS 3.5**

## **Developer's Guide**

**Document Revision 1.1**

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# INTRODUCTION

## ABOUT THIS GUIDE

### Audience

This guide is intended for software engineers who develop tools for processing AP news feeds.

### Searching This Guide

To search this guide, choose **Edit** → **Find** in Adobe Acrobat.

### Conventions

- In request syntax, variable names are shown in braces { }. Optional parameters are shown in brackets [ ]. Do not type the braces and brackets in the request.
- In the descriptions of request parameters and headers, required parameters are marked by an asterisk (\*).
- In response descriptions, attributes are indicated by an *at* sign (@).
- In response examples, an ellipsis (...) indicates information that is omitted for brevity.

### Related Documents

For more information, please refer to the following documents that are available in the AP WebFeeds section of the AP Customer Support Site at <http://customersupport.ap.org>:

- *AP WebFeeds, Manager and Agent Frequently Asked Questions*
- *AP Classification Metadata Guide*
- *AP Exchange Content Ingestion Guide*
- *AP WebFeeds ANPA Delivery Reference Guide*
- *AP WebFeeds NewsML-G2 Reference Guide*

*AP WebFeeds Manager Online Help* is available by clicking the Help link at the AP WebFeeds Manager portal at <http://wfm.ap.org>.

## ABOUT AP WEBFEEDS

AP WebFeeds is part of the new generation of the AP's content distribution platform, which provides your organization with greater control over when and what content is received from the AP. WebFeeds delivers the last three days' worth of news content to your organization via an HTTP feed for easy integration with your service or application.

### Delivery Formats

The content is supplied as XML in one of the following formats:

- **AP ATOM.** AP ATOM is the ATOM 1.0 format with additional metadata inserted by the AP and embedded links to news stories and media files (photos, graphics, audio or video). Stories are provided in NITF 3.4 and optionally ANPA, IPTC 7901 or hNews formats. NITF stories contain links to suggested media if this content is available and if your account is authorized to view it. The AP ATOM feed may also include external links to AP News Archive and third-party websites. For more information, see "AP ATOM Feeds and Metadata" on page 18.
- **ATOM syndication.** For more information, see "The ATOM Syndication Format" on page 53.
- **NewsML-G2.** For more information, refer to the *AP WebFeeds NewsML-G2 Reference Guide*.

## Entitlements

Feeds can be created for AP products and packages to which your organization is entitled and/or from saved searches that have been created in AP Exchange. Products, packages and saved searches are collectively called *entitlements* later in this document.


## Delivery Overview

To capture and process a feed, you must write a custom program that makes Web requests to the WebFeeds server, retrieves the feed items and saves them along with any suggested media to your content management system (CMS), file system or database.



The following steps correspond to the WebFeeds delivery flow shown in the illustration above.

1. You write a custom program for capturing and processing a feed. For more information, see “Requesting and Processing Feeds” on page 6.
2. Your custom program retrieves the list of your entitlements from the WebFeeds system. For more information, see “Retrieving Your Entitlements” on page 9.
3. Your custom program requests content from the WebFeeds system at regular intervals. For more information, see “Feed Request” on page 7.
4. Your custom program saves the requested content to your CMS.
5. Once the content is in the CMS, it can be published to your website or through your other distribution channels, such as print and broadcast.

 **Note:** Alternatively, you can use AP WebFeeds Manager (WFM), an out-of-the-box product that offers a wide variety of configuration options to meet your needs and allows you to start downloading content right away. For more information, see the *AP WebFeeds Manager Online Help*.

## Custom Program Implementation Requirements

- **Allowing for new XML elements and attributes in the feed.** Your custom program must allow new XML elements and attributes to be added to the feed XML by the AP. Using XML parsing instead of string parsing is strongly encouraged for the continuous integration of your custom code with AP WebFeeds.
- **Following redirects in download links.** Since content item download URLs may use redirects for improved performance, your custom program must be configured to follow standard HTTP redirects when downloading content items.
- **Using XML metadata instead of parsing download URLs.** The format of the download URLs may change overtime or may be different based on your own preferences or configuration. Instead of string parsing download URLs, your custom program must use the XML metadata of the content items returned along with the download links; specifically, in the `<apcm:Characteristics>` element in AP ATOM and in the `<media-reference>` element in NITF.

## WHAT'S NEW IN WEBFEEDS 3.5

### Optional Metadata

#### Usage Terms

If available, human-readable instructions on the usage limitations associated with the publication are now delivered in the `apcm:RightsLine` field in the AP ATOM feed; for example:

```
<apcm:RightsLine>AP Clients Only - part no access South Korea</apcm:RightsLine>
```

#### Additional Signal Values

All signal values available for a content item are now delivered in multiple `apnm:Signal` fields; for example:

- Whitelisted (*for archive video content only*) indicates that all of the sources for an archive video content item appear on the whitelist:

```
<apnm:Signal>whitelisted</apnm:Signal>
```

- Singlesource (*for archive video content only*) indicates that an archive video has only one source:

```
<apnm:Signal>singlesource</apnm:Signal>
```

- YOUTUBEMATCH or NOYOUTUBEMATCH is intended for AP video content submitted to Youtube. YOUTUBEMATCH indicates that another Youtube video should be evaluated as a close match to the video that AP is uploading to Youtube:

```
<apnm:Signal>YOUTUBEMATCH</apnm:Signal>
```

- Test indicates test content:

```
<apnm:Signal>Test</apnm:Signal>
```

## CONTACTING SUPPORT

For technical help, contact AP Customer Support:

- Phone: **877-836-9477** (U.S. toll-free number) or **212-621-7361** (from outside of the U.S.)
- E-mail: [APCustomerSupport@ap.org](mailto:APCustomerSupport@ap.org)
- Website: <http://customersupport.ap.org>

To comment on this *Developer's Guide*, send an e-mail message to [documentation@ap.org](mailto:documentation@ap.org).

## REQUESTING AND PROCESSING FEEDS

Capturing and processing a feed involves making the feed request, retrieving the feed items and saving them along with any suggested media to your file system, database or CMS/production system. You must write a program that makes Web requests to the WebFeeds server and processes the returned XML responses. Successful programs can be written in almost any language that is capable of making Web requests, such as Perl, PHP, Python, Java or any Microsoft .Net language. The program must use basic Web requests and responses and must be capable of parsing XML.

## AUTHENTICATION

To authenticate all feed and content requests, WebFeeds uses HTTP Basic Authentication, which is currently the standard for syndicated feeds. Most feed readers and reader components allow the configuration of user credentials ahead of time and pass them in the headers rather than in the URL.

 **Important:** Passing the credentials directly in the URL is currently widely blocked. For more information, see Microsoft's security bulletin at <http://www.microsoft.com/technet/security/bulletin/MS04-004.msp>.

You can configure a reader or component to create an authentication header with the name/value in the following format:

```
("Authorization", "Basic " + {Encoded_username_and_password})
```

where {Encoded\_username\_and\_password} is replaced with the Base64 encoding of the bytes in the string "username:password."

If you are writing your own client code to download a feed, use HTTP Basic Authentication that is built into your programming language's library. HTTP Basic Authentication is available on most platforms; for example, Perl, PHP, C or Java.

### Example Code

 **Note:** The URL in these examples is a demo URL. For the URL syntax and parameters, see "Feed Request" on page 7.


The following example shows how to use HTTP Basic Authentication from an ASP.NET C# program that uses the System.Net library.

```
WebClient wc = new WebClient();
wc.Credentials = new NetworkCredential("YOUR_USERNAME","YOUR_PASSWORD");
string result = wc.DownloadString("http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?
idList=31995,32008,32005,32003&idListType=products&maxItems=25");
```

The following example illustrates how to use HTTP Basic Authentication from a Java program that uses the org.apache.commons.httpclient library.

```
import org.apache.commons.httpclient.*;
import org.apache.commons.httpclient.auth.*;
import org.apache.commons.httpclient.methods.*;

HttpClient client = new HttpClient();
client.getParams().setParameter("http.useragent", "org.ap-FeedReader/1.0");
HostConfiguration host = client.getHostConfiguration();
host.setHost(new URI("http://syndication.ap.org:80", true));
GetMethod method = new
GetMethod("/AP.Distro.Feed/GetFeed.aspx?idList=31995,32008,32005,32003&idListType=products&maxItems=25");
Credentials credentials = new UsernamePasswordCredentials("your_username", "your_password");
AuthScope authScope = new AuthScope(host.getHost(), host.getPort());
HttpState state = client.getState();
state.setCredentials(authScope, credentials);
int httpStatusCode = client.executeMethod(host, method);
if(httpStatusCode == 200){
    String xmlFeed = method.getResponseBodyAsString();
}
```



 **Note:** For a user name and password, contact AP Customer Support. AP Exchange and AP Images users may use their respective user names and passwords to get authenticated by the WebFeeds system. If you plan to download content from AP Exchange saved searches, use the user name and password of the Site Administrator account to access all saved searches for your organization. AP Exchange users who do not have Site Administrator privileges can receive feeds only for the saved searches that they created or copied from their organization’s shared searches. For more information, see “Establishing a Feed for a Saved Search” on page 10.

## FEED REQUEST




### Syntax

METHOD	REQUEST URI
GET	<pre>http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList={idList}&amp;idListType={idListType}&amp;[OptionalParameters]</pre> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">  <b>Note:</b> The parameters may be specified in any order.         </div>

### Parameters

PARAMETER	DESCRIPTION	EXAMPLES
idList*	One or more product, package or saved search IDs. Multiple IDs must be of the same type and must be specified as a comma-delimited list, with no spaces between characters. For more information about: <ul style="list-style-type: none"> <li>– Locating your product, package and saved search IDs, see “Retrieving Your Entitlements” on page 9.</li> <li>– Enabling feeds for saved searches, see “Establishing a Feed for a Saved Search” on page 10.</li> <li>– Returned error messages, see “Error Messages” on page 9.</li> </ul>	1001 3,1184,8385 517044
idListType*	The type of the IDs that are specified as the idList parameter values. <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">  <b>Note:</b> Package and product IDs are of the same type and may be used with idListType=products.           </div>	products savedsearches
idList2	Used in requests for one feed combining different types of IDs, in conjunction with the idList parameter. If the idList parameter specifies one or more product/package IDs, the idList2 parameter must specify one or more saved search IDs, or vice versa.	idList=1184& idListType= products&idList 2=517057 &idListType2= savedsearches
idListType2	The type of the IDs specified as the idList2 parameter values.	
maxItems	The maximum number of items to include in the feed. The default is 25. The maximum allowed value is 50 (if you request more than 50 items, only up to 50 items are returned). <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">  <b>Note:</b> Because content is available for the last three days only, the feed may include fewer than the specified maximum number of items. If the feed contains AP Top Headlines, it may include more than the specified maximum number of items. For more information, see “AP Top Headlines in AP ATOM” on page 26.           </div>	25
maxDateTime	The date and time before which the requested content was released, in the format <i>YYYY-MM-DDTHH:mm:SSZ</i> where the value must be in Coordinated Universal Time (UTC). The default is the time of the request.	2008-03-21T 17:52:49Z



PARAMETER	DESCRIPTION	EXAMPLES
minDateTime	<p>The date and time after which the requested content was released, in the format <i>YYYY-MM-DDT<del>HH</del>:mm:SSZ</i> or <i>YYYY-MM-DDT<del>HH</del>:mm:SS.msZ</i>, where the value must be in Coordinated Universal Time (UTC). The default is three days (72 hours) prior to the time of the request. The content is available for the last three days only.</p> <p> <b>Note:</b> To ensure that you get only new content with each feed request, you must use the minDateTime parameter in conjunction with the sequenceNumber parameter. If you use the sequenceNumber parameter, you must also use the minDateTime parameter, and both values must result from the same previous feed request. Changing the minDateTime value without using the corresponding sequenceNumber value is not allowed. Changing or manipulating either value may produce unexpected results, and some content may be lost or duplicated. Note that when no new content is available, it is normal for the sequenceNumber and minDateTime values returned by the server to remain the same until new content arrives. Use the sortOrder=chronological parameter in the request to prevent any missing content. For more information, see “Getting Unique Content” on page 12.</p>	<p>2008-03-19T 15:30:00Z 2008-04-02T 21:58:08.187Z</p>
sequenceNumber	<p>A unique sequential number that identifies each feed entry and must be used in conjunction with the minDateTime parameter to request content that is newer than the latest sequence number in the previously returned feed. For more information, see “Getting Unique Content” on page 12.</p>	3830303
fullContent	<p>Inserts full stories into the AP ATOM document. Full stories can be in the NITF, ANPA, IPTC or hNews format. Using this parameter is recommended for feeds with multiple text stories to avoid numerous server requests to download each full story. For more information, see “Story Link vs. Full Story in AP ATOM” on page 42.</p> <p> <b>Note:</b> For backward compatibility, fullContent=true is equivalent to fullContent=nitf.</p>	<p>nitf anpa iptc hnews</p>
showInlineLinks	<p>Displays inline links in NITF-formatted stories. For more information, see “NITF Examples” on page 56.</p>	true
showAnpaLinks	<p>Adds links to ANPA files to each story entry. For more information, see “Links to ANPA and IPTC in AP ATOM” on page 43 and “ANPA” on page 59.</p>	true
showIptcLinks	<p>Adds links to IPTC 7901 files to each story entry. For more information, see “Links to ANPA and IPTC in AP ATOM” on page 43 and “IPTC 7901” on page 60.</p>	true
showHNewsLinks	<p>Adds links to hNews files, which are formatted as XHTML. For more information, see “hNews” on page 58.</p>	true
showAllFilings	<p>Returns all filings of ANPA and/or IPTC-formatted stories. If this parameter is not used, only the latest filing of a story is returned. For more information, see “ANPA” on page 59 and “IPTC 7901” on page 60.</p> <p> <b>Note:</b> To ensure that you receive only new filings, use the sequenceNumber, minDateTime and sortOrder=chronological parameters. For more information, see “Getting Unique Content” on page 12.</p>	true
sortOrder	<p>Sorts the feed items in chronological order, from the oldest at the top of the feed to the newest at the bottom. If this parameter is not specified, the feed items are sorted in reverse chronological order.</p>	chronological



PARAMETER	DESCRIPTION	EXAMPLES
autoFlatten	For feeds containing AP Top Headlines, autoFlatten=false displays only the parent entry and hides entries for the individual stories included in the Top Headline collection. If this parameter is not specified, the parent entry and the individual story entries are included in the feed. For more information, see "AP Top Headlines Feed" on page 45.	false
compression	Compresses the feed to the gzip format and returns a gzip byte stream instead of the text/XML feed. You must uncompress the returned feed for further processing; for example, using the gzip application. Compressed feeds are recommended in most cases, especially for large requests.	true
format	Specifies the format of the returned feed. Valid values are: <ul style="list-style-type: none"> <li>– 6 (ATOM syndication format)</li> <li>– 4 (AP ATOM format, this is the default)</li> </ul>	6
showODRL	Adds machine-readable restrictions in the ODRL format to each online video entry. For more information, see "Online Video Restrictions" on page 30.	true

## Example

### Sample Parameters

- Products: 30029 (AP Arkansas); 31536 (PHOTOSTREAM - AR [Arkansas]); 30964 (NASCAR Chart)
- MaxDateTime: 09/17/08 at 12:00 PM (UTC)
- MaxItems: 25

### Sample Feed Request

http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=30029,31536,30964&idListType=products&maxDateTime=2008-09-17T12:00:00Z&maxItems=25

## Error Messages

- If all specified IDs are invalid, or if you are not authorized to view content for all of the IDs, you receive an error message in an XML document; for example:

```
<?xml version="1.0" encoding="utf-8" standalone="yes" ?>
- <error status="fatal" httpStatusCode="401" httpResponseMessage="Unauthorized">
  <errorType>Authentication</errorType>
  <errorServer>FeedServer</errorServer>
  <errorMessage>Authentication Failed on GetFeed</errorMessage>
</error>
```

- If some of the specified IDs are invalid, or if you are not authorized to view content for some of the IDs, you receive the AP ATOM feed for the valid IDs that you are authorized to view, and the error message appears in the AP ATOM feed; for example:

```
<apcm:Property Id="urn:publicid:ap.org:errorid:invalidid">The requested ID: 55 is either invalid, or you are not authorized to view it.</apcm:Property>
```

## RETRIEVING YOUR ENTITLEMENTS

You can retrieve your entitlements programmatically from the WebFeeds server at any time using HTTP Basic Authentication to pass your account credentials to the server, similar to feed requests.

### Request Syntax

METHOD	REQUEST URI
GET	http://syndication.ap.org/AP.Distro.Feed/GetAccountInfo.aspx[?output={format}]

## Optional Parameter

PARAMETER	DESCRIPTION	EXAMPLE
output	<p>Specifies the output format for the list of entitlements. By default, the list is returned in the XML format and does not contain a list of products included in each package. Possible values are:</p> <ul style="list-style-type: none"> <li>– XML (the list of entitlements is returned in the XML format and contains a list of products included in each package).</li> <li>– CSV (the list of entitlements is returned as a comma-separated values (CSV) file that can be opened in Microsoft Excel. The CSV file contains a list of products included in each package).</li> </ul>	XML CSV

## Sample Request

The following URI returns an XML-formatted list of entitlements that contains a list of products included in each package:

<http://syndication.ap.org/AP.Distro.Feed/GetAccountInfo.aspx?output=XML>

## Sample Response

In the following example, a package entitlement containing a list of products is shown in gray. For information about dayparting, see “Dayparted News for Broadcast” on page 16.

```

- <APWebFeedsAccountInfo DateTime="9/21/2010 2:40:39 PM GMT">
- <Entitlements>
...
- <Entitlement>
  <Id>31989</Id>
  <Type>Product</Type>
  <Name>AP Online Top General Headlines</Name>
  <Description>AP Online Top General Headlines</Description>
  <DayPart Type="TwentyFourHour" Id="0" />
</Entitlement>
- <Entitlement>
  <Id>100028</Id>
  <Type>Package</Type>
  <Name>AP Financial News</Name>
  <Description>AP Financial News</Description>
  <DayPart Type="TwentyFourHour" Id="0" />
- <ChildEntitlements>
- <ChildEntitlement>
  <Id>32677</Id>
  <Type>Product</Type>
  <Name>AP Financial News - Headlines</Name>
  <Description>AP Financial News - Headlines</Description>
</ChildEntitlement>
- <ChildEntitlement>
  <Id>32678</Id>
  <Type>Product</Type>
  <Name>AP Financial News - International News</Name>
  <Description>AP Financial News - International News</Description>
</ChildEntitlement>
...
</ChildEntitlements>
</Entitlement>
...
</Entitlements>
</APWebFeedsAccountInfo>

```

## ESTABLISHING A FEED FOR A SAVED SEARCH

1. Go to <http://www.apexchange.com> and log on to AP Exchange.



**Note:** For the AP Exchange user name and password, contact your Site Administrator.

2. Create a saved search or copy one of your organization’s shared searches. For more information, see “Creating a Saved Search” or “Copying a Saved Search” respectively in the *AP Exchange User Guide*.



**Important:** To enable the feed, select the **AP WebFeeds** check box when creating a saved search on the Advanced Search or Save Search page or when editing it on the Edit Search page. The feed will contain only new items filed after the time at which you enabled the feed for this saved search.

**SAVE SEARCH**


Name Your Search:  Description:

**Default Home Search**  
Make this my default home search result

**Notify me**  
Send me notifications when new results arrive

**AP WebFeeds**  
Check here to create an AP WebFeed of this search

[Save Search](#)





 **Note:** If the **AP WebFeeds** check box is not available, your account is not authorized to receive syndication feeds. For more information, contact AP Customer Support (see "Contacting Support" on page 5).

3. Click **Manage** in the top navigation bar to go to the My Saved Searches page:

Saved Search ID

**My Saved Searches**  
(To reorder saved searches ensure that all searches are displayed on one page)



Results 1 - 29 of 29

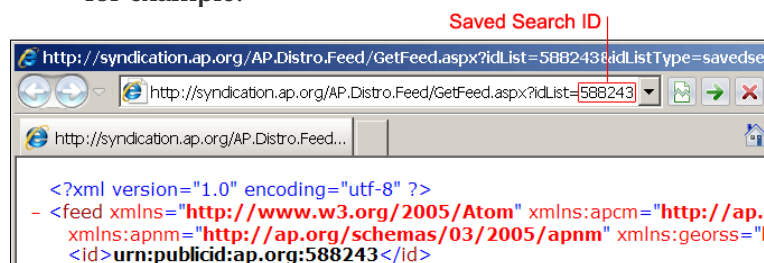
<input type="checkbox"/>	Order	Saved Search Name	WebFeed	Shared	Share	Default
<input type="checkbox"/>	1	Sports	 588243	<input type="checkbox"/>		<input type="radio"/>
<input type="checkbox"/>	2	Iraq	 588242	<input type="checkbox"/>		<input type="radio"/>

Page size 30

[Delete](#) [Copy](#) [Create New](#)

The saved search ID is displayed in the **WebFeed** column.

 **Tip:** Alternatively, you can click the WebFeed icon  associated with the search name and copy the saved search ID, which appears after **idList=** in the URL in the Web browser's **Address** box; for example:



4. You can now use this saved search ID to create a feed URL, as described in "Feed Request" on page 7.

 **Note:** Use your AP Exchange user name and password to get authenticated by WebFeeds.

## RETRIEVING LINKED CONTENT ITEMS

The AP ATOM feed includes links to content items—stories and media files (images, audio or video). NITF stories may contain links to suggested media if this content is available and if your account is authorized to view it. For more information, see "AP ATOM Feeds and Metadata" on page 18.



### Important:

- **Following redirects in download links.** Since content item download URLs may use redirects for improved performance, your custom program must be configured to follow standard HTTP redirects when downloading content items.
- **Using XML metadata instead of parsing download URLs.** The format of the download URLs may change overtime or may be different based on your own preferences or configuration. Instead of string parsing download URLs, your custom program must use the XML metadata of the content items returned along with the download links; specifically, in the `<apcm:Characteristics>` element in AP ATOM and the `<media-reference>` element in NITF.



**Note:** For security reasons, links to content files are available only for a certain period of time after you get the feed and then expire.

## Example Code

The following C# source code illustrates methods that can be used to retrieve a feed, and then download and save the linked content items given a feed URL, a user name and a password.



**Important:** The sample code requires external libraries, such as System.Net and System.Xml, to be compiled and is provided as an example only.

```
WebClient wc = new WebClient();
NetworkCredential nc = new NetworkCredential("YOUR_USERNAME", "YOUR_PASSWORD");
wc.Credentials = nc;
string xmlFeed = wc.DownloadString("http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?
idList=31995,32008,32005,32003&idListType=products&format=4&maxItems=25");
XmlDocument feedDoc = new XmlDocument();
feedDoc.LoadXml(xmlFeed);
XmlNodeList feedItems = xmlDoc.SelectNodes("//entry/link");
for(int x = 0 ; x < feedItems.Count; x++){
    XmlNode feedItem = feedItems[x];
    string itemUrl = feedItem.Attributes["href"].Value;
    WebClient wc2 = new WebClient();
    wc2.Credentials = nc;
    wc2.DownloadFile(itemUrl, "FILE_PATH_AND_FILE_NAME");
}
```

## GETTING UNIQUE CONTENT

There are three ways to get content from the WebFeeds server:

- If you are interested in receiving the newest content available and do not provide the `minDateTime`, `sequenceNumber` and `sortOrder` parameters in the request, the feed server will return the newest content available for the specified entitlements. You will continue receiving the same content repeated in each response until new content arrives.
- If you are interested in receiving the newest content updated after the specified point in time, use the `minDateTime` and `sequenceNumber` parameters from the previous feed request (see “Using Feed Sequencing Values in the Request” on page 12). The feed server will return the newest available content updated after this specified point in time. You will not get duplicate content as long as you continue using the feed sequencing values.



**Important:** Both of the above approaches will always show you the latest content available, but neither guarantees that you will receive all available content because they return up to the maximum items requested, and it is possible that more items are newer since the last time you checked.

- **To receive all available content without missing any**, always use `sortOrder=chronological` in conjunction with the `minDateTime` and `sequenceNumber` values from the previous feed requests. This approach orders the items in the feed from oldest to newest after the specified point in time to ensure that all possible updated content is returned.

## Using Feed Sequencing Values in the Request

1. Check the values of the `<minDateTime>` and `<sequenceNumber>` elements in the Feed Sequencing section at the top of the AP ATOM feed resulting from your previous request.
2. Specify these values as the values of the `minDateTime` and `sequenceNumber` parameters respectively in the next request (make sure to specify milliseconds in the value of the `minDateTime` parameter). To prevent missing content, specify the `sortOrder=chronological` parameter in the request. For more information about the URL syntax, see “Feed Request” on page 7.



**Important:**

- You must use the same parameters as in the previous feed request; in particular, the same product and saved search IDs. If your application processes multiple feeds, each with different products and saved search IDs, then you need to maintain the `sequenceNumber` and `minDateTime` values independently for each feed.

- To start ingesting a feed for the first time or to reset your sequencing position, remove the `sequenceNumber` parameter and use only the `minDateTime` and `sortOrder=chronological` parameters to go back or forward to a specific point in time (you may go back up to 72 hours). For example, if you have not yet requested any content for a specific product ID, and you wish to start ingesting it from the present time, pass only a `minDateTime` value of the present time in GMT and no `sequenceNumber` in your request. The first response will contain feed sequencing values to use from that point forward to continue ingesting content for that product ID.

### Example: Feed Request Based on the Parameters from the Previous Feed

To determine the values of the `minDateTime` and `sequenceNumber` parameters, check the Feed Sequencing section at the top of the AP ATOM feed resulting from your previous request:

```
- <feed xmlns="http://www.w3.org/2005/Atom" xmlns:apcm="http://ap.org/schemas/03/2005/apcm"
  xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <id>urn:publicid:ap.org:421</id>
  - <title type="xhtml">
    - <apxh:div xmlns:apxh="http://www.w3.org/1999/xhtml">
      <apxh:span>Business News</apxh:span></apxh:div>
    </title>
  - <apcm:Property Name="FeedProperties">
    <apcm:Property Name="Entitlement" Id="urn:publicid:ap.org:product:421" Value="Business News" />
  - <apcm:Property Name="FeedSequencing">
    <apcm:Property Name="sequenceNumber" Id="3914494" />
    <apcm:Property Name="minDateTime" Value="2017-03-03T16:48:58.437Z" />
  </apcm:Property>
</apcm:Property>
</updated>2017-03-03T16:48:58.437Z</updated>
...
```

To request a feed based on these sample values and a product ID 30029, use the following URL:

<http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=30029&idListType=products&minDateTime=2017-03-03T16:48:58.437Z&sequenceNumber=3914494&sortOrder=chronological>



**Important:** If you use the `sequenceNumber` parameter, you must also use the `minDateTime` parameter, and both values must result from the same previous feed request. Changing the `minDateTime` value without using the corresponding `sequenceNumber` value is not allowed. Changing or manipulating either value may produce unexpected results, and some content may be lost or duplicated. Note that when no new content is available, it is normal for the `sequenceNumber` and `minDateTime` values returned by the server to remain the same until new content arrives. Make sure to use the `sortOrder=chronological` parameter in the request to prevent any missing content.

### Getting Content Newer than a Certain Feed Entry

Use the `<updated>` and the `<sequenceNumber>` values from that entry (highlighted in gray in the following example) as the values of the `minDateTime` and `sequenceNumber` parameters respectively and specify the `sortOrder=chronological` parameter in the request.

```
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:85f2f6da4c1c455088795c09d41096eb</id>
  <title>WEA-WA-State-Forecast-East</title>
  <updated>2017-03-06T19:52:57.363Z</updated>
  <published>2017-03-06T10:32:44Z</published>
  <rights>Copyright 2017 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</rights>
  <content type="text/plain">Sftotx</content>
  + <link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker
  .aspx?media=text&recordid=85f2f6da4c1c455088795c09d41096eb&authToken=eN..." type="text/xml"></link>
  - <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
    <apcm:Priority Numeric="4" Legacy="-" />
    <apcm:HeadLine>Sftotx</apcm:HeadLine>
    ...
    <apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="o" Id="o" />
    <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:30120" Value="AP Washington State -
    Weather Only" />
  <apcm:Property Name="SequenceNumber" Value="InSequence" Id="4209774" />
  <apcm:FirstCreated>2017-03-06T10:32:44Z</apcm:FirstCreated>
  </apcm:ContentMetadata>
  + <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
</entry>
```





**Note:** For AP Top Headlines, you can only get content that is newer than the Top Headline parent entry, not the individual story entries, which are not assigned separate sequence numbers. For more information, see “AP Top Headlines in AP ATOM” on page 26.

## PROCESSING HEADLINES

The `<title>` and `<apcm:HeadLine>` elements in the AP ATOM feed and the `<hl1 id="headline">` element in the NITF documents may include content versioning information, which is shown in red in the examples below.

### To avoid the versioning information when processing content headlines:

Use the `<apcm:OriginalHeadLine>` element in the AP ATOM feed and the `<hl2 id="originalHeadline">` element in the NITF documents, which are highlighted in green in the following examples.

#### Example: Original Headline in AP ATOM feed

```
<apcm:HeadLine>Oil ends a turbulent session higher as dollar-induced buying carries the day, 8th Ld-Writethru, NA</apcm:HeadLine>
<apcm:OriginalHeadLine>Oil ends a turbulent session higher as dollar-induced buying carries the day</apcm:OriginalHeadLine>
```

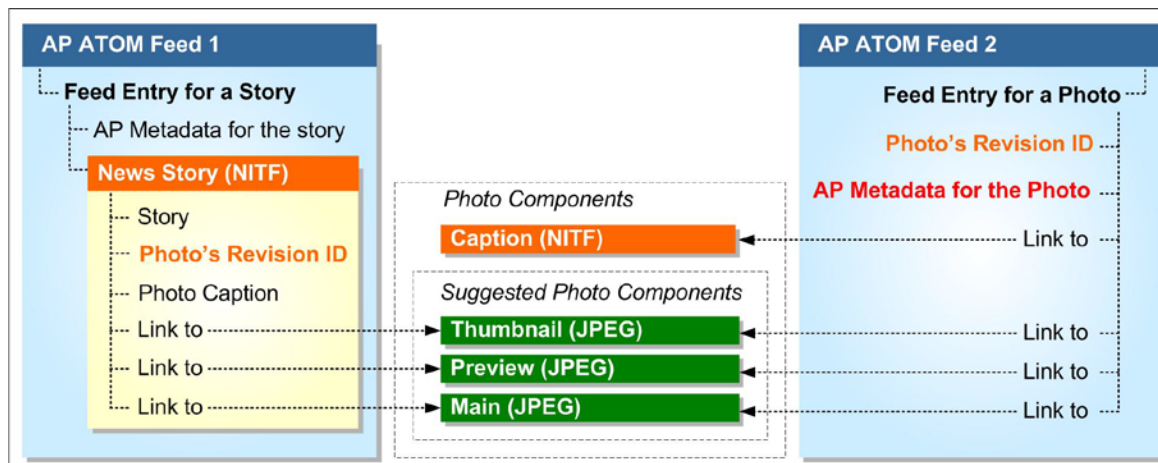
#### Example: Original Headline in NITF document

```
<headline>
  <hl1 id="headline">Oil ends a turbulent session higher as dollar-induced buying carries the day, 8th Ld-Writethru, NA</hl1>
  <hl2 id="originalHeadline">Oil ends a turbulent session higher as dollar-induced buying carries the day</hl2>
</headline>
```

## LINKING SUGGESTED MEDIA TO AP METADATA

For suggested media (images, audio and video) referenced in NITF-formatted stories, AP metadata is not available in the feed or in the NITF document. However, if you receive other AP ATOM feeds for images, audio and video, you can use the Revision IDs of suggested media to retrieve their AP metadata from the corresponding entries of these feeds.

In the following example, an NITF-formatted story is embedded in the AP ATOM feed and includes a reference to a suggested photo. The AP metadata for the photo is not included in the feed or in the NITF-formatted story, but you can use the Revision ID of a suggested photo to retrieve its AP metadata from another AP ATOM photo feed:



In the NITF-formatted story, the Revision ID is located in the `value` attribute of the `<media-metadata name="id">` element (shown in green in the example below):

```
- <media id="media:f7db680f94a9495cb982ea978328071d" media-type="Photo">
  <media-metadata id="media-id:f7db680f94a9495cb982ea978328071d" name="id"
    value="urn:publicid:ap.org:f7db680f94a9495cb982ea978328071d" />
  <media-metadata id="media-friendlyKey:f7db680f94a9495cb982ea978328071d" name="FriendlyKey"
    value="080306015571" />
```

In the photo feed, the Revision ID is the entry ID (shown in green below):

```
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:f7db680f94a9495cb982ea978328071d</id>
  <title>SWEDEN FIGURE SKATING WORLD CHAMPIONSHIPS</title>
  <updated>2008-03-18T15:51:43.947Z</updated>
  ...
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:DateLineLocation City="GOTEBURG" Country="SWE" CountryName="Sweden"/>
  <apcm:ByLine Title="Caption Writer">FM,JW</apcm:ByLine>
  <apcm:ByLine Title="STAFF">Francois Mori</apcm:ByLine>
  <apcm:Credit>ASSOCIATED PRESS</apcm:Credit>
  <apcm:Cycle>AP</apcm:Cycle>
  <apcm:Selector>-----</apcm:Selector>
  <apcm:TransmissionReference>GOT134</apcm:TransmissionReference>
  <apcm:SlugLine>SWEDEN FIGURE SKATING WORLD CHAMPIONSHIPS</apcm:SlugLine>
  <apcm:FriendlyKey>080318010719</apcm:FriendlyKey>
  <apcm:MediaType>Photo</apcm:MediaType>
- <apcm:EntityClassification Authority="AP Party" Value="FM,JW">
  <apcm:Property Id="11bc985a148d45a781e5bae4d40b1c11" Name="PartyType" Value="CAPTIONWRITER"/>
</apcm:EntityClassification>
- <apcm:EntityClassification Authority="AP Party" Value="Francois Mori">
  <apcm:Property Id="111a147611e548de93ad20a387d49200" Name="PartyType" Value="PHOTOGRAPHER"/>
</apcm:EntityClassification>
<apcm:SubjectClassification System="Editorial" Authority="AP Subject" Value="Sports"
  Id="54df6c687df7100483dedf092526b43e" />
<apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="Sports" Id="S"/>
<apcm:SubjectClassification System="Editorial" Authority="AP Supplemental Category Code" Value="Figure Skating"
  Id="FIG"/>
  ...
</entry>
```

## IDENTIFYING ENTITLEMENTS REPRESENTED BY FEED ENTRIES

The <apcm:Property> tag with the attribute Name of “EntitlementMatch” contains information about the entitlement to which a feed entry belongs. If a content item in the feed entry matches multiple entitlements of the user who requested the feed, all of these entitlement IDs are provided for the entry.

The “EntitlementMatch” values can be helpful to AP members and customers who receive feeds for multiple media entities (for example, multiple newspapers), process this content in a centralized publishing environment and route it to entities based on their product entitlements. Using “EntitlementMatch” values along with the AP-provided mapping of entities to their entitlements, you can ensure that each entity receives only the content to which it is entitled.



**Note:** Since the “EntitlementMatch” values are located in the AP ATOM feed metadata, you can use them effectively for both NITF and ANPA/IPTC-formatted content.

The following example shows a content item that matches multiple entitlements:

```
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:64b68afe99e64c0f9dc6486ae99442e2</id>
  <title>South Africa Soccer WCup Italy Paraguay</title>
  ...
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:SubjectClassification System="Machine" Authority="AP Subject" Value="International soccer"
  Id="ea65116628934d1c8503c6133983a317" />
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31536" Value="PHOTOSTREAM - AR
  (ARKANSAS)"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31715" Value="PHOTOSTREAM - HI (HAWAII)"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31761" Value="PHOTOSTREAM - KS (KANSAS)"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31791" Value="PHOTOSTREAM - MT
  (MONTANA)"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31803" Value="PHOTOSTREAM - ND (NORTH
  DAKOTA)"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31831" Value="PHOTOSTREAM - OK
  (OKLAHOMA)"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31936" Value="PHOTOSTREAM - WY
  (WYOMING)"/>
  ...
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:package:100028" Value="AP Financial News"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:package:100024" Value="AP Online"/>
  <apcm:Property Name="SequenceNumber" Value="InSequence" Id="49855039"/>
  <apcm:FirstCreated>2010-06-14T21:02:35Z</apcm:FirstCreated>
</apcm:ContentMetadata>
+ <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
</entry>
```




## DAYPARTED NEWS FOR BROADCAST

 **Note:** This section is intended for broadcast users only.

Depending on your organization's entitlements, you may only receive news from certain text and audio products for part of the day. This is known as *dayparting*. In this instance, you will only see news from these products that occurred during the time of the day that your organization purchased.

The dayparts are:

DAYPART	WEBFEEDS ALIAS	NEWS AVAILABLE...
NewsPower Mornings	MorningDrive	12:00 AM through 10:00 AM (local time)
NewsPower DriveTime	DriveTime	12:00 AM through 10:00 AM (local time) PLUS 2:30 PM through 7:00 PM (local time)
NewsPower 24	TwentyFourHour	24 hour coverage (no time restriction)

 **Important:** You must make separate WebFeeds requests for dayparted and non-dayparted entitlements as explained in the following sections. If your organization has recently renegotiated the AP contract, your entitlements might have changed, and some of the dayparted products may no longer be dayparted or vice versa. Make sure to check dayparting for your entitlements each time your AP contract is modified and change your separate feed requests accordingly (for example, if one of your products is no longer dayparted, move it to the feed request for non-dayparted entitlements).

### Accessing Dayparting Information

First, you must determine which of your entitlements are dayparted and which are not. Dayparting information for each of your entitlements is included in the list of entitlements that you can retrieve programmatically from the WebFeeds server at

<http://syndication.ap.org/AP.Distro.Feed/GetAccountInfo.aspx> and using HTTP Basic Authentication to pass your account credentials to the server, similar to feed requests.

#### Example: Dayparting in the XML-Formatted Entitlement List

To request a list of entitlements (products and packages), use the following URL:

<http://syndication.ap.org/AP.Distro.Feed/GetAccountInfo.aspx?output=XML>

The list is returned in the XML format. In the following example, the dayparting information is highlighted in gray. For the sample organization, products 31995 and 32379 are dayparted, and product 31989 is not.

```
- <APWebFeedsAccountInfo DateTime="8/22/2011 6:49:32 PM GMT">
- <Entitlements>
  - <Entitlement>
    <Id>31989</Id>
    <Type>Product</Type>
    <Name>AP Online Top General Headlines</Name>
    <Description>AP Online Top General Headlines</Description>
    <DayPart Id="0" Type="TwentyFourHour" />
  </Entitlement>
  ...
  - <Entitlement>
    <Id>31995</Id>
    <Type>Product</Type>
    <Name>AP Online General Financial/Business News</Name>
    <Description>AP Online General Financial/Business News</Description>
    <DayPart Id="39529" Type="DriveTime" />
  </Entitlement>
  ...
  - <Entitlement>
    <Id>32379</Id>
    <Type>Product</Type>
    <Name>Broadcast National SportsMinutes</Name>
    <Description>Broadcast National SportsMinutes</Description>
    <DayPart Id="39533" Type="MorningDrive" />
  </Entitlement>
</Entitlements>
</APWebFeedsAccountInfo>
```

## Making Separate Feed Requests

You must make separate feed requests for dayparted and non-dayparted entitlements. The following examples show separate feed requests for the example discussed in the previous section:

### Sample Feed Request for Dayparted Entitlements

<http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=31995,32379&idListType=products>

### Sample Feed Request for Non-Dayparted Entitlements

<http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=31989&idListType=products>

## PROCESSING VIDEO RENDITIONS

Each video delivered by AP WebFeeds is made available in various renditions (formats, quality and encodings). In order to deliver new content to you as fast as possible, videos are released into WebFeeds as soon as some of the renditions are available and not necessarily when all of the renditions have finished being produced. As more renditions become available, the video entry will appear in your feed again with the same entry ID and Management ID, but with more renditions available for download.



**Important:** To avoid discarding video rendition updates as duplicates and therefore missing some of the renditions that you may be interested in (for example, MP4), your application must ignore video feed entries until they appear in the feed with the rendition of interest available for download.

# AP ATOM FEEDS AND METADATA

## FEED STRUCTURE

The AP ATOM format is the ATOM 1.0 format with additional metadata inserted by the AP. An AP ATOM feed consists of items known as entries. Each entry contains metadata that describes the entry content and links to the content files (stories, photos, graphics, audio or video).


 **Note:** The AP ATOM feed may also include external links to content that is published on third-party websites. For more information, see “External Links” on page 24.

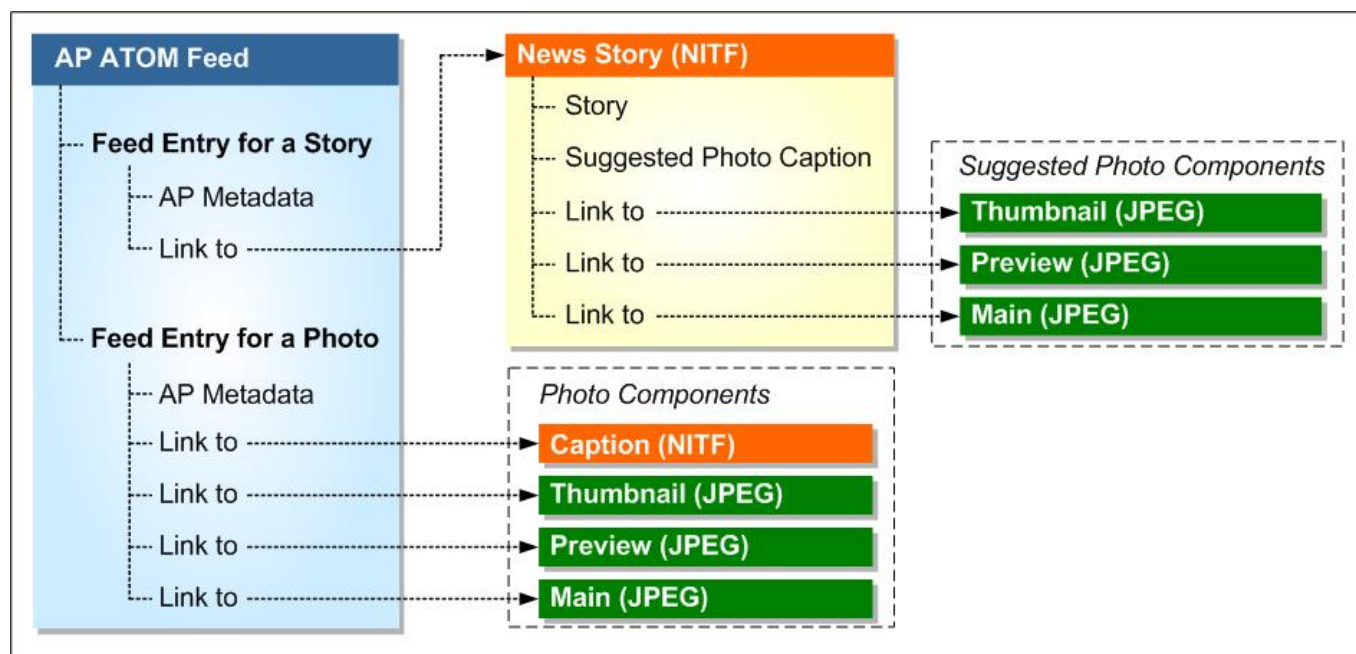
Stories are provided in NITF 3.4 and optionally ANPA, IPTC 7901 or hNews formats. Story documents do not contain the full set of AP metadata because it is included in the feed. NITF-formatted stories may contain links to suggested photos, graphics, audio or video.

Photos and graphics referenced in the feed consist of the following components:

- The caption
- The main image (a high-resolution version)
- The preview (a low-resolution version)
- The thumbnail (a small version)

The caption, preview and thumbnails are also available for video clips referenced in the feed. Video entries may also contain links to a script and/or a shotlist.

 **Note:** For suggested photos, graphics and video, the caption is included in the NITF document of the corresponding text story.



For more information, see “Content File Formats” on page 22 and “Suggested Media” on page 22.

## Example: Feed Structure

The following example illustrates the AP ATOM feed structure. The feed is divided into two sections:

1. *Introduction.* General information about the feed, including the feed ID, title and author, the date and time when the feed was last updated and the feed request URL.
2. *Feed Entries.* One or more content items. For more information, see “Feed Entries and Content IDs” on page 19.



**Note:** By default, the feed entries are sorted in reverse chronological order (from the newest at the top of the feed to the oldest at the bottom). For information about changing the sort order of the feed items, see “Feed Request” on page 7.

```

1  <?xml version="1.0" encoding="utf-8" ?>
  - <feed xmlns="http://www.w3.org/2005/Atom" xmlns:apcm="http://ap.org/schemas/03/2005/apcm"
    xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
    <id>urn:publicid:ap.org:319</id>
    - <title type="xhtml">
      - <apxh:div xmlns:apxh="http://www.w3.org/1999/xhtml">
        <apxh:span>Odd News</apxh:span>
      </apxh:div>
    </title>
    - <apcm:Property Name="FeedProperties">
      <apcm:Property Name="Entitlement" Id="urn:publicid:ap.org:productid:319" Name="Odd News" />
    - <apcm:Property Name="FeedSequencing">
      <apcm:Property Name="sequenceNumber" Id="4393397" />
      <apcm:Property Name="minDateTime" Value="2008-03-07T12:27:45.923Z" />
    </apcm:Property>
    </apcm:Property>
    <updated>2008-03-07T12:27:45.923Z</updated>
    - <author>
      <name>The Associated Press</name>
      <uri>http://www.ap.org</uri>
    </author>
    <rights>Copyright 2008 The Associated Press. All rights reserved. This material may not be published, broadcast,
      rewritten or redistributed.</rights>
    <link rel="self" href="http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=319&idListType=products" />
2  + <entry xmlns="http://www.w3.org/2005/Atom">
    + <entry xmlns="http://www.w3.org/2005/Atom">
    ...
    + <entry xmlns="http://www.w3.org/2005/Atom">
  </feed>

```

## FEED ENTRIES AND CONTENT IDS

An AP ATOM feed entry represents an individual revision of a news item; for example, a text article. If an article is written and rewritten several times during a news cycle as new information is uncovered, separate feed entries are created for the initial version and each rewrite. Each feed entry is assigned a unique ID that changes through each revision of a news item (entry `<id>` in the AP ATOM feed), and these entries are linked together by an ID that remains the same through each revision (`<ManagementId>` in the AP ATOM feed).

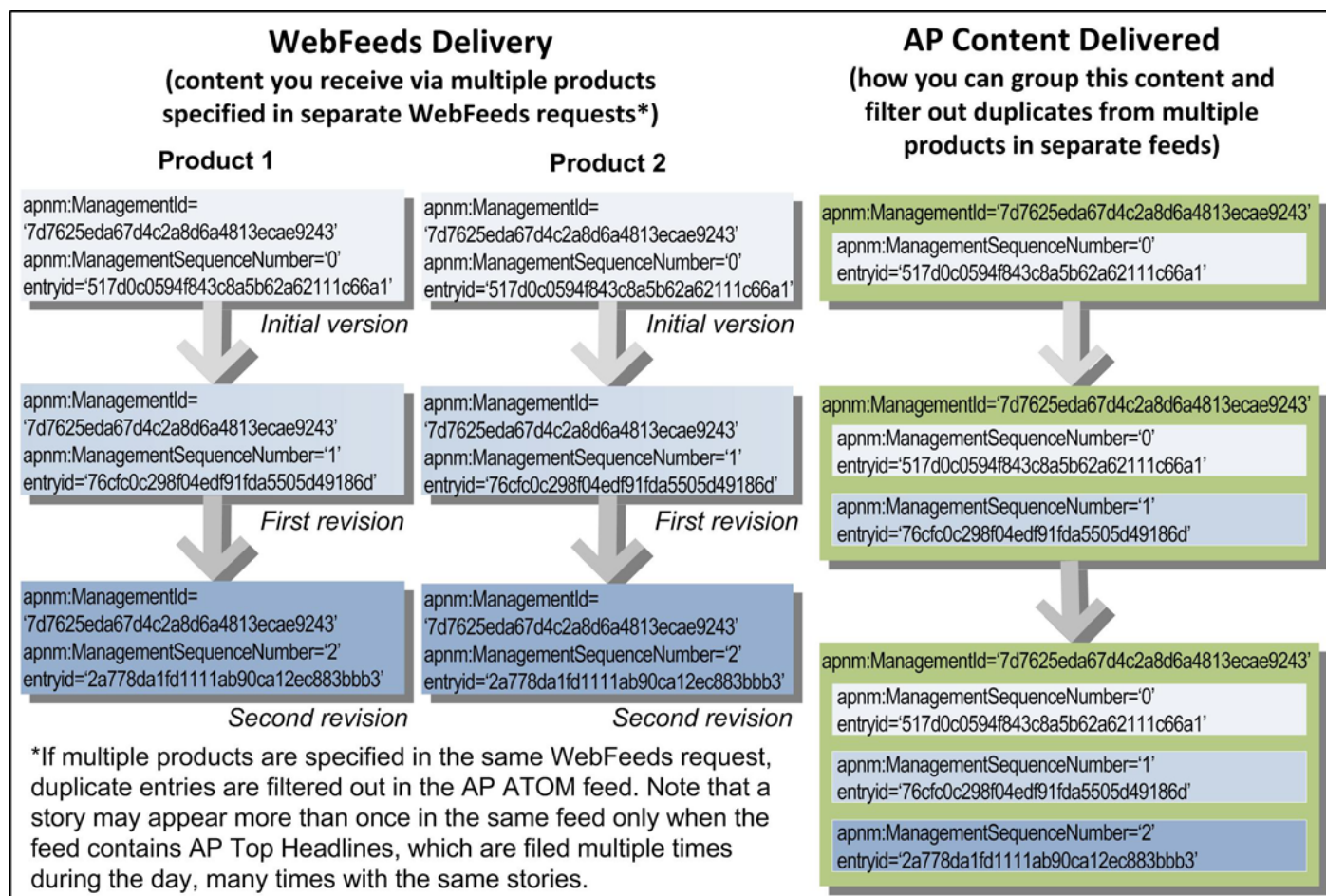


**Note:** The `<ManagementId>` is unique across all AP products—if an article appears in multiple products, it has the same `<ManagementId>` in all of these products.

### Example: WebFeeds Delivery vs. AP Content Delivered

The following example shows a news item’s revision history:

- The “WebFeeds Delivery” part of the illustration shows multiple story versions that are delivered as individual feed entries linked by their Management IDs. These stories can be delivered multiple times via different products specified in separate feed requests.
- The “AP Content Delivered” part shows how you can correctly group content according to its revision history and filter out duplicates from multiple products in separate feeds.



For more information, see “AP News Management Metadata” on page 34 and “AP Top Headlines in AP ATOM” on page 26.

### Example: AP ATOM Feed Entry for a Text Story

The following example shows a metadata file that contains an AP ATOM feed entry for a text story. The feed entry is divided into four sections:

1. **Introduction.** General information about the entry content: the entry ID and title, the date and time when the content was last updated/published, copyright and a brief content description.
2. **Content References.** Links to one or more content files (for example, the entire story in the NITF format) along with the metadata describing the characteristics of the linked files (for instance, the file extension, format and media type).
3. **AP Content Metadata.** Metadata that describes the content; for example, the story dateline, byline, headline and category. The name and ID of the product or saved search that matches the entry content also appears in this section.
4. **AP News Management Metadata.** Metadata that explains how to distribute or publish the content (for example, the publishing status can be Usable, Embargoed, Withheld or Canceled). This section also contains metadata tags that can be used for tracking article revisions (<ManagementId> and <ManagementSequenceNumber>).

```
1 - <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publ:ap.org:53e8a08557cb40a4b8a85089c14eeaf</id>
  <title>ODD-Monster-Toad</title>
  <updated>2008-03-07T12:35:16.923Z</updated>
  <published>2008-03-07T09:19:36Z</published>
  <rights>Copyright 2008 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed.</rights>
  <content type="text/plain">Group Finds Toad the Size of a Small Dog, 1st Ld-Writethru</content>
```



2	<pre>- &lt;link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBroker/Content Broker.aspx?media=text&amp;recordid=53e8a08557cb40a4b8a85089c14eea6f&amp;authToken=xGMue..." type="text/xml" length="105"&gt; &lt;apcm:Characteristics ContentId="urn:publicid:ap.org:29f4fa4eae924e79b41807e5d90e68c0" FileExtension="xml" Format="IIM" MediaType="Text" Role="Main" SizeInBytes="269" Words="246" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" /&gt; &lt;/link&gt;</pre>
3	<pre>- &lt;apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm"&gt; &lt;apcm:Priority Numeric="4" Legacy="r" /&gt; &lt;apcm:DateLine&gt;DARWIN, Australia&lt;/apcm:DateLine&gt; &lt;apcm:DownstyleExtendedHeadLine&gt;Australian environmental group captures 'monster' toad the size of a small dog&lt;/apcm:DownstyleExtendedHeadLine&gt; &lt;apcm:DownstyleHeadLine&gt;Group finds toad the size of a small dog&lt;/apcm:DownstyleHeadLine&gt; &lt;apcm:ExtendedHeadLine&gt;Australian Environmental Group Captures 'Monster' Toad the Size of a Small Dog&lt;/apcm:ExtendedHeadLine&gt; &lt;apcm:HeadLine&gt;Group Finds Toad the Size of a Small Dog, 1st Ld-Writethru&lt;/apcm:HeadLine&gt; &lt;apcm:OriginalHeadLine&gt;Group Finds Toad the Size of a Small Dog&lt;/apcm:OriginalHeadLine&gt; &lt;apcm:Keywords&gt;ODD-Monster-Toad&lt;/apcm:Keywords&gt; &lt;apcm:Cycle&gt;AP&lt;/apcm:Cycle&gt; &lt;apcm:Selector&gt;-----&lt;/apcm:Selector&gt; &lt;apcm:LegacyTypeSetFormat&gt;bx&lt;/apcm:LegacyTypeSetFormat&gt; &lt;apcm:TransmissionReference&gt;V6146&lt;/apcm:TransmissionReference&gt; &lt;apcm:SlugLine&gt;AP-ODD-Monster-Toad,1st Ld-Writethru&lt;/apcm:SlugLine&gt; &lt;apcm:MediaType&gt;Text&lt;/apcm:MediaType&gt; &lt;apcm:EntityClassification Authority="AP Country" Value="Australia" Id="AUS" /&gt; &lt;apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="i" Id="i"/&gt; &lt;apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:productid:319" Value="AP Online Top General Short Headlines" /&gt; &lt;apcm:Property Name="SequenceNumber" Value="InSequence" Id="4393397" /&gt; &lt;apcm:FirstCreated&gt;2008-03-07T09:19:36Z&lt;/apcm:FirstCreated&gt; &lt;/apcm:ContentMetadata&gt;</pre>
4	<pre>- &lt;apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm"&gt; &lt;apnm:ManagementId&gt;urn:publicid:ap.org:bcdd90bdfbfe4d65a12f01d3620c46f8&lt;/apnm:ManagementId&gt; &lt;apnm:ManagementSequenceNumber&gt;0&lt;/apnm:ManagementSequenceNumber&gt; &lt;apnm:PublishingStatus&gt;Usable&lt;/apnm:PublishingStatus&gt; &lt;/apnm:NewsManagement&gt; &lt;/entry&gt;</pre>

### Example: Different versions of a photo referenced in the AP ATOM feed

The Content References section of the AP ATOM entry may contain links to one or more content files, depending on the content media type (text, photos, graphics, audio or video). The following example shows the Content References section for a photo, which includes links to the caption, the main image, the preview and the thumbnail.

2	<pre>- &lt;link rel="enclosure" title="AP Caption" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&amp;recordid=f7db680f94a9495cb 982ea978328071d&amp;authToken=eNoVw..." type="text/xml" length="245"&gt; &lt;apcm:Characteristics ContentId="urn:publicid:ap.org:2777320a6504460a93a56fdf8492bb61" FileExtension="xml" Format="NITF" MediaType="Photo" MimeType="text/xml" Role="Caption" SizeInBytes="245" ... /&gt; &lt;/link&gt; - &lt;link rel="enclosure" title="AP Photo" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx? contentid=1ad10e47f191445594de49a8ecae7061&amp;fmt=jpg&amp;role=Main&amp;reldt=2008-03-18T15:51:40&amp;media=Photo &amp;recordid=f7db680f94a9495cb982ea978328071d&amp;authToken=eNoVw..." type="image/jpeg" length="1505513"&gt; &lt;apcm:Characteristics ContentId="urn:publicid:ap.org:1ad10e47f191445594de49a8ecae7061" Digest="f2e7615cbeaa24283626f28f65e68600" FileExtension="jpg" Format="JPEG Baseline" Height="1925" MediaType="Photo" MimeType="image/jpeg" OriginalFileName="FIGURE SKATING.JPEG" PhotoType="Horizontal" Role="Main" SizeInBytes="1505513" Width="3000" ... /&gt; &lt;/link&gt; - &lt;link rel="enclosure" title="AP Thumbnail Image" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ ContentBroker.aspx?contentid=9b4b8d167bea49b99b01b951d5fe9fea&amp;fmt=jpg&amp;role=Thumbnail&amp;reldt=2008-03- 18T15:51:40&amp;media=Photo&amp;recordid=f7db680f94a9495cb982ea978328071d&amp;authToken=eNoVw..." type="image/jpeg"&gt; &lt;apcm:Characteristics ContentId="urn:publicid:ap.org:9b4b8d167bea49b99b01b951d5fe9fea" Digest="d531d401c7993752b217cbb9d834fcf2" FileExtension="jpg" Format="JPEG Baseline" Height="82" MediaType="Photo" MimeType="image/jpeg" OriginalFileName="FIGURE SKATING.JPEG" Role="Thumbnail" Width="128" ... /&gt; &lt;/link&gt;</pre>
---	--

```

2 - <link rel="enclosure" title="AP Preview Image" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/
ContentBroker.aspx?contentid=6348394b763b483bb154d4d150d40340&fmt=jpg&role=Preview&reldt=2008-03-
18T15:51:40&media=Photo&recordid=f7db680f94a9495cb982ea978328071d&authToken=eNoVw..." type="image/jpeg">
<apcm:Characteristics ContentId="urn:publicid:ap.org:6348394b763b483bb154d4d150d40340"
Digest="66d73c8d9339b66d817ef2a90752060e" FileExtension="jpg" Format="JPEG Baseline" Height="328"
MediaType="Photo" MimeType="image/jpeg" OriginalFileName="FIGURE SKATING.JPEG" Role="Preview"
Width="512" ... />
</link>

```

For more information about the metadata elements and additional examples, see “AP ATOM Definitions and Usage” on page 34 and “AP ATOM Examples” on page 41.

## CONTENT FILE FORMATS

The content files referenced in the feed may be available in any of the following formats for each of the media types (text, photos, graphics, audio and video). It is recommended that you download files in the format that is best suited to your needs rather than all available formats.

MEDIA TYPE	CAPTION	SCRIPT / SHOTLIST	THUMBNAIL	PREVIEW	MAIN
Text	-	-	-	-	NITF 3.4, ANPA, IPTC 7901 and/or hNews
Photo	NITF 3.4	-	JPEG	JPEG	JPEG
Graphic	NITF 3.4	-	JPEG	JPEG	PDF, Illustrator or Freehand
Audio	-	-	-	-	WAV, RA, MP3, MPG
Video	NITF 3.4	TXT	JPEG (thumbnails of different sizes)	JPEG	Flash, Windows Media, QuickTime, H.264 MP4, MPEG-2 and 3GP (at various bit rates and resolution)



**Note:** NITF, ANPA, IPTC 7901 and hNews documents do not contain the full set of AP metadata because it is included in the AP ATOM feed.

## SUGGESTED MEDIA

NITF documents may contain links to suggested media (photos, graphics, audio and video) if this content is available and if a user is authorized to view it. A caption (not applicable to audio), links to suggested media and the names of the original media files appear in the <media> section of an NITF document. For more information, see “Example 2: Suggested Media Reference in NITF” on page 57.

Suggested media files are available in one or more of the following formats for each media type:

MEDIA TYPE	THUMBNAIL	PREVIEW	MAIN
Photo	JPEG	JPEG	JPEG
Graphic	JPEG	JPEG	PDF, Illustrator or Freehand
Audio	-	-	WAV, RA, MP3, MPG
Video	JPEG (thumbnails of different sizes)	JPEG	Flash, Windows Media, QuickTime, H.264 MP4, MPEG-2 and 3GP (at various bit rates and resolution)



**Note:** It is recommended that you download files in the format that is best suited to your needs rather than all available formats.

For more information, see “Linking Suggested Media to AP Metadata” on page 14 and “NITF” on page 55.



## ABOUT BYLINES

Bylines delivered by WebFeeds contain the name of the party who created or contributed to the content—the name of a photographer, writer, speaker, caption writer or any other individual involved in the creation of the content.

- In the AP ATOM feed, the byline is delivered in the optional `<apcm:ByLine>` element.
- In NITF-formatted text stories that are embedded in or linked to the AP ATOM feed, the byline is located in the `<byline>` element. For more information about NITF, see "NITF" on page 55.

## AP Content

### Text Stories

AP English-language story content delivered by WebFeeds typically contains the word “By” in the `<apcm:ByLine>` element value in AP ATOM and in the `<byline>` element value in NITF; for example:

#### AP ATOM

```
<apcm:ByLine Title="Associated Press">By DAVID PITT</apcm:ByLine>
```

```
<apcm:ByLine Title="AP Sports Writer">By PAT GRAHAM</apcm:ByLine>
```

```
<apcm:ByLine Title="AP Business Writers">By ELAINE KURTENBACH and YURI KAGEYAMA</apcm:ByLine>
```

```
<apcm:ByLine>By The Associated Press</apcm:ByLine>
```

#### NITF

```
- <byline>
  By DAVID BAUDER
  <byttl>AP Television Writer</byttl>
</byline>
```



**Note:** News Alerts do not carry bylines. A News Alert is a first, headline-length look at a breaking story that carries the value of “NewsAlert” in the WebFeeds `<apcm:ContentElement>`.

### Other Media Types

AP photo, graphic and audio content does not typically contain the word “By” in the `<apcm:ByLine>` element value; for example:

#### Photo:

```
<apcm:ByLine Title="Caption Writer">SB</apcm:ByLine>
```

```
<apcm:ByLine Title="CONTRIBUTOR">Scott Boehm</apcm:ByLine>
```

#### Graphic:

```
<apcm:ByLine Title="Caption Writer">EDeGasero</apcm:ByLine>
```

#### Audio:

```
<apcm:ByLine Title="Speaker">Mike Corder, AP correspondent</apcm:ByLine>
```



**Note:** Video content does not typically contain the `<apcm:ByLine>` element.

### Third-Party Content

In third-party content delivered by WebFeeds, the word “By” may or may not be present in the `<apcm:ByLine>` element value, depending on the third-party provider’s editorial practices.

## EXTERNAL LINKS

### Canonical Links to AP News Archive

Text story entries in the AP ATOM feed and ATOM syndication feed delivered by WebFeeds may include canonical links to full stories in AP News Archive. You can use canonical links to redirect web users to AP News Archive after your right to host AP content on websites expires at 30 days.

#### Example: A canonical link to AP News Archive in the AP ATOM feed

In the AP ATOM feed, the canonical link appears in the `<link rel="alternate">` element:

```
<entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:358b52caa51f4ac99f062aaed6436ac7</id>
  <title>FBN--Vikings-Free Agency</title>
  <updated>2012-03-12T20:55:04.510Z</updated>
  <published>2012-03-12T20:54:44Z</published>
  ...
  <content type="text/plain">Vikings, Sage Rosenfels agree to 2-year contract</content>
  <link rel="alternate" title="AP Article" href="http://www.apnewsarchive.com/2012/Vikings-Sage-Rosenfels-agree-to-2-year-contract/id-122b43a269f9472395b6cbc12da45628"/>
  <link rel="enclosure" ...>
```

#### Example: A canonical link to AP News Archive in the ATOM syndication feed

In the ATOM syndication feed, the canonical link appears in the `<link rel="canonical">` element:

```
- <entry>
  <id>urn:publicid:ap.org:5f90fa482fcb4d6cacdde05f34f937c4</id>
  ...
  + <content type="html">
    <link rel="canonical" title="AP Article" href="http://www.apnewsarchive.com/2012/US-service-firms-grew-at-faster-pace-in-August,-as-ISM-index-increased-to-53.7/id-5f90fa482fcb4d6cacdde05f34f937c4" />
```

### Links to Third-Party Sources

The AP ATOM feed can contain links to content published at third-party websites (also known as “AP WebParts”); for example:

```
<link rel="enclosure" title="AP WebPart"
  href="http://www.detnews.com/apps/pbcs.dll/article?AID=/20081209/METRO/812090416/1409/METRO">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:f915511bd054404ba64efb2306078984" FileExtension="BIN"
  MediaType="HTML" Role="Main" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
```

## INLINE REFERENCES TO PHOTOS IN NITF



**Important:** It is strongly recommended to preserve inline references when displaying stories on your website.

NITF documents may include inline references to photos at the content provider’s website; for example:

```
- <media media-type="image" class="inline:reference">
  <media-reference mime-type="image/jpeg"
  source="http://mms.businesswire.com/bwapps/mediaserver/ViewMedia?mgid=282599&vid=4" />
</media>
```

## ABOUT 'THE LATEST' FOR DEVELOPING STORIES

The Latest is AP's special editorial representation of developing news stories. It is used in addition to the more traditionally written story files that the AP runs on the same events. The Latest uses time-stamped running updates compiled into one story file and is particularly well suited for online, mobile and broadcast use. To identify these types of stories and associate them with the more traditionally written stories on the same events, use the metadata in the AP ATOM feed entries corresponding to the NITF stories and in the ANPA files, as explained in the following sections.

## AP ATOM

- A signal value indicates that the story type is "The Latest" and that it was derived from a more traditionally written version of the story (shown in **red** in the example below).
- The item ID (<apnm:ManagementId>) of the originating story appears as an AP Event in Entity Classification to help you find the more traditionally written version of the same story (in **purple**). The <apcm:EntityClassification> element has the following format:

```
<apcm:EntityClassification Authority="AP Event" Value="{partial slug of the originating story}" Id="{ItemId of the original thread}" />
```

- The item content type is "Running," and the <apcm:ContentElement> value is "FastStory" (in **blue**).
- The slug, keywords and title are the slug, keywords and title of the originating story followed by a hyphen and "The Latest" (in **yellow**).
- The headline and extended headline start with "The Latest:" (shown in **green**).

```
<entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:47f2700f1c0543b099af050530f211ed</id>
  <title>EU--Paris Attacks-The Latest</title>
  <updated>2015-11-23T00:03:10.600Z</updated>
  ...
  <link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBroker2/ContentBroker.aspx?contentid=53f411b3272b417ea5321ff5f6df9ab0..." length="11841" type="text/xml">
  ...
</link>
  <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  ...
  <apcm:DateLine>BRUSSELS</apcm:DateLine>
  <apcm:ExtendedHeadLine>The Latest: Police detain 16 in Belgium raids, Paris fugitive remains at large</apcm:ExtendedHeadLine>
  <apcm:HeadLine>The Latest: 16 detained in Belgium raids</apcm:HeadLine>
  <apcm:OriginalHeadLine>The Latest: 16 detained in Belgium raids</apcm:OriginalHeadLine>
  <apcm:Keywords>EU--Paris Attacks-The Latest</apcm:Keywords>
  <apcm:TransmissionReference>V6255</apcm:TransmissionReference>
  <apcm:SlugLine>AP-EU-Paris-Attacks-The-Latest</apcm:SlugLine>
  <apcm:ContentElement>FastStory</apcm:ContentElement>
  <apcm:MediaType>Text</apcm:MediaType>
  <apcm:EntityClassification Authority="AP Event" Value="EU--Paris Attacks" Id="99e40b8927c549cba5d7b504329c50c1" />
  ...
  <apcm:ItemContentType>Running</apcm:ItemContentType>
  ...
</apcm:ContentMetadata>
  <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:Signal>Derived</apnm:Signal>
  <apnm:Signal>DerivedLatest</apnm:Signal>
  <apnm:ManagementId>urn:publicid:ap.org:380e03fde5f14d3787dd2afb8b655d07</apnm:ManagementId>
  ...
</apnm:NewsManagement>
</entry>
```

## NITF

The headline and the original headline start with "The Latest:" (shown in **green**).

```
<h1 id="headline">The Latest: 16 detained in Belgium raids</h1>
<h2 id="originalHeadline">The Latest: 16 detained in Belgium raids</h2>
```



**Note:** To associate The Latest NITF story with its more traditionally written version, use the Item ID in the AP Event Entity Classification metadata in the corresponding AP ATOM feed entry.

## ANPA

- The slug is the slug of the originating file followed by a hyphen and "The Latest" ("**The Latest**") to allow for locating the originating, more traditionally written version of the story.
- The headline starts with "**The Latest:**".

```
^BC-US-- California Shootings-The Latest, 4th Ld-Writethru,680<
^The Latest: Massacre could be tied to terrorism, Obama says<
```

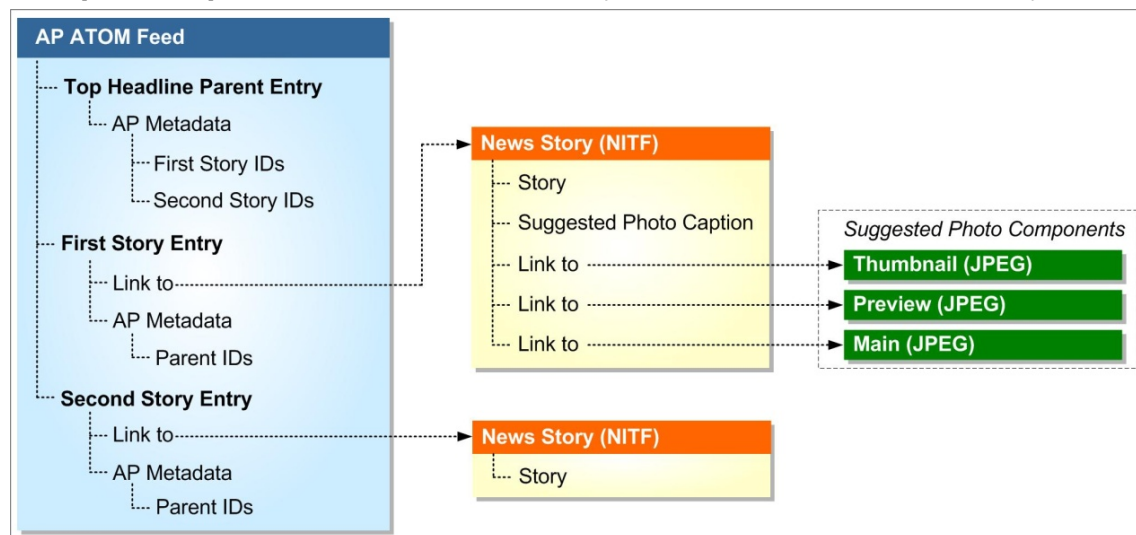
## AP TOP HEADLINES IN AP ATOM

 **Note:** This section is intended for users who are entitled to AP Top Headlines.

AP Top Headlines are collections of AP's top news stories that are filed by AP editors multiple times during the day, many times with the same stories. In the AP ATOM feed, entries for AP Top Headline stories are preceded by a Top Headline parent entry that identifies all of these stories. Each of the individual story entries contains metadata tags that identify the story as part of AP Top Headlines.

 **Note:** Individual Top Headline stories do not appear in chronological order in the feed.

### Example: AP Top Headlines Feed Structure (only two stories are shown for brevity)



### Example: AP ATOM Feed Entries for AP Top Headlines

The following example shows feed entries for AP Top Headlines:

- Top Headline Parent Entry.** Identifies individual AP Top Headline stories. The entry ID of the Top Headline parent appears in the `<id>` tag.
  - The “InSequence” value of the “SequenceNumber” property tag indicates that the parent entry is counted in the number of items returned by the WebFeeds server.
  - The AP Content Metadata (APCM) section lists Management IDs and entry IDs of the individual stories under the “Top Headline Children” property tag.
  - The AP News Management (APNM) section contains the Management ID of the Top Headline parent.
- First Top Headline Story Entry.** A link to the first NITF-formatted Top Headline story along with the AP content and news management metadata related to the linked story. The first story’s entry ID appears in the `<id>` tag.
  - The “OutOfSequence” value of the “SequenceNumber” property tag shows that the story entry is not counted in the number of items returned by the WebFeeds server.
  - The Management ID and entry ID of the Top Headline parent appear under the “Top Headline Parent” property tag.
  - The APNM section contains the Management ID of this story (it is the same as the first ID listed under the “Top Headline Children” property tag in the Top Headline Parent entry).
- Second Top Headline Story Entry.** A link to the second NITF-formatted Top Headline story and related metadata. The entry ID of the second story appears in the `<id>` tag.
  - The “OutOfSequence” value of the “SequenceNumber” property tag indicates that the story entry is not counted in the number of items returned by the WebFeeds server.

- B. The Management ID and entry ID of the Top Headline parent appear under the “Top Headline Parent” property tag.
- C. The APNM section contains the Management ID of this story (it is the same as the second ID under the “Top Headline Children” property tag in the Top Headline Parent entry).

```

1 - <entry ...>
  <id>urn:publ:ap.org:fe791c47ae224a60983c17fcef40d2ee</id>
  ...
  - <apcm:ContentMetadata ...>
    ...
    <apcm:Property Name="SequenceNumber" Value="InSequence" Id="3830303" />
    - <apcm:Property Name="Top Headline Children">
      - <apcm:Property Name="AP Article">
        <apcm:Property Name="ManagementId" Id="urn:publ:ap.org:b677f7be2bb24683baf8cf477e062935" />
        <apcm:Property Name="Id" Id="urn:publ:ap.org:683503204eee4b21a10efe39796ce817" />
        </apcm:Property>
      - <apcm:Property Name="AP Article">
        <apcm:Property Name="ManagementId" Id="urn:publ:ap.org:2d42cd5717044b9e8572bfe56d460d63" />
        <apcm:Property Name="Id" Id="urn:publ:ap.org:4a4981999cb54c54bf101cebd78d3911" />
        </apcm:Property>
      </apcm:Property>
    </apcm:ContentMetadata>
  - <apnm:NewsManagement ...>
    <apnm:ManagementId>urn:publ:ap.org:37ccf119a68644cdb01168a278db1d20</apnm:ManagementId>
    ...
  </apnm:NewsManagement>
</entry>

2 - <entry ...>
  <id>urn:publ:ap.org:683503204eee4b21a10efe39796ce817</id>
  + <link rel="enclosure" title="AP Article" href=http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&recordid=683503204eee4b21a10efe39796ce817&authToken=eNptk... type="text/xml" length="238">
  - <apcm:ContentMetadata ...>
    ...
    <apcm:Property Name="SequenceNumber" Value="OutOfSequence" Id="0" />
    - <apcm:Property Name="Top Headline Parent">
      - <apcm:Property Name="AP Article">
        <apcm:Property Name="ManagementId" Id="urn:publ:ap.org:37ccf119a68644cdb01168a278db1d20" />
        <apcm:Property Name="Id" Id="urn:publ:ap.org:fe791c47ae224a60983c17fcef40d2ee" />
        </apcm:Property>
      </apcm:Property>
    </apcm:ContentMetadata>
  - <apnm:NewsManagement ...>
    <apnm:ManagementId>urn:publ:ap.org:b677f7be2bb24683baf8cf477e062935</apnm:ManagementId>
    ...
  </apnm:NewsManagement>
</entry>

3 - <entry ...>
  <id>urn:publ:ap.org:4a4981999cb54c54bf101cebd78d3911</id>
  + <link rel="enclosure" title="AP Article" href=http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&recordid=4a4981999cb54c54bf101cebd78d3911&authToken=eNptk... type="text/xml" length="239">
  - <apcm:ContentMetadata ...>
    ...
    <apcm:Property Name="SequenceNumber" Value="OutOfSequence" Id="0" />
    - <apcm:Property Name="Top Headline Parent">
      - <apcm:Property Name="AP Article">
        <apcm:Property Name="ManagementId" Id="urn:publ:ap.org:37ccf119a68644cdb01168a278db1d20" />
        <apcm:Property Name="Id" Id="urn:publ:ap.org:fe791c47ae224a60983c17fcef40d2ee" />
        </apcm:Property>
      </apcm:Property>
    </apcm:ContentMetadata>
  - <apnm:NewsManagement ...>
    <apnm:ManagementId>urn:publ:ap.org:2d42cd5717044b9e8572bfe56d460d63</apnm:ManagementId>
    ...
  </apnm:NewsManagement>
</entry>

```

<b>Legend:</b>	<b>37ccf119a68644cdb01168a278db1d20</b>	Top Headline parent’s Management ID
	<b>fe791c47ae224a60983c17fcef40d2ee</b>	Top Headline parent’s entry ID
	<b>b677f7be2bb24683baf8cf477e062935</b>	The first story’s Management ID
	<b>683503204eee4b21a10efe39796ce817</b>	The first story’s entry ID
	<b>2d42cd5717044b9e8572bfe56d460d63</b>	The second story’s Management ID
	<b>4a4981999cb54c54bf101cebd78d3911</b>	The second story’s entry ID

## MARKETPLACE CONTENT IN AP ATOM

The Marketplace is an AP Exchange feature that allows AP members to share news content freely (currently, text, photos and graphics) with other AP members. When submitting content to the Marketplace, AP members can link related content items; for example, stories to stories, photos to stories, photos to photos and so on. The representation of the linked Marketplace content in the AP ATOM feed is similar to that of AP Top Headlines:

- The main content item is “InSequence,” and the linked content items are “OutOfSequence.”
- The main content item entry contains the Marketplace Relationship ID as well as the Management IDs and entry IDs of the linked content items.
- The linked content item entries contain the Marketplace Relationship ID as well as the Management ID and entry ID of the main content item.

### Example: Linked Marketplace Content in the AP ATOM Feed

#### STORY ENTRY

```
- <entry ...>
  <id>urn:publicid:ap.org:de0b42bd28ef4f98947cc3d92ae7dad6</id>
  ...
  <contributor>
    <name>NEWARK STAR-LEDGER</name>
  </contributor>
  ...
  <apcm:ContentMetadata ...>
    ...
    <apcm:Property Name="SequenceNumber" Value="InSequence" Id="3082533" />
    - <apcm:Property Name="Market Place Relationship" Id="63f25ddb-bf97-4bdd-aa0e-21bf02e6034c">
      - <apcm:Property Name="AP Photo">
        <apcm:Property Name="ManagementId" Id="urn:publicid:ap.org:2c3e949b4cd04f8bba6bb3d44db484e1" />
        <apcm:Property Name="Id" Id="urn:publicid:ap.org:dc316538f64f4687802ab5ee6534913a" />
      </apcm:Property></apcm:Property>
    - <apcm:UsageRights>
      <apcm:UsageType>MarketplaceDistribution</apcm:UsageType>
      <apcm:Geography>NJ</apcm:Geography>
      <apcm:RightsHolder>NEWARK STAR-LEDGER</apcm:RightsHolder>
    </apcm:UsageRights>
    ...
  </apcm:ContentMetadata>
  - <apnm:NewsManagement ...">
    <apnm:ManagementId>urn:publicid:ap.org:4fa5210614b84481ab2867ad2b287a92</apnm:ManagementId>
  </apnm:NewsManagement>
</entry>
```

#### LINKED PHOTO ENTRY

```
- <entry...>
  <id>urn:publicid:ap.org:dc316538f64f4687802ab5ee6534913a</id>
  ...
  <apcm:ContentMetadata ...>
    ...
    <apcm:Property Name="SequenceNumber" Value="OutOfSequence" Id="0" />
    - <apcm:Property Name="Market Place Relationship" Id="63f25ddb-bf97-4bdd-aa0e-21bf02e6034c">
      - <apcm:Property Name="AP Story">
        <apcm:Property Name="ManagementId" Id="urn:publicid:ap.org:4fa5210614b84481ab2867ad2b287a92" />
        <apcm:Property Name="Id" Id="urn:publicid:ap.org:de0b42bd28ef4f98947cc3d92ae7dad6" />
      </apcm:Property></apcm:Property>
    ...
  </apcm:ContentMetadata>
  - <apnm:NewsManagement ...">
    <apnm:ManagementId>urn:publicid:ap.org:2c3e949b4cd04f8bba6bb3d44db484e1</apnm:ManagementId>
  </apnm:NewsManagement>
</entry>
```

<b>Legend:</b>	63f25ddb-bf97-4bdd-aa0e-21bf02e6034c	Marketplace Relationship ID
	4fa5210614b84481ab2867ad2b287a92	Story's Management ID
	de0b42bd28ef4f98947cc3d92ae7dad6	Story's entry ID
	2c3e949b4cd04f8bba6bb3d44db484e1	Linked photo's Management ID
	dc316538f64f4687802ab5ee6534913a	Linked photo's entry ID




## IPTC PHOTO METADATA AND AP ATOM

The following table shows the mapping of standard IPTC header photo metadata fields to AP ATOM metadata fields.



**Important:** AP cannot guarantee the availability of these metadata fields for all photos and photo sizes, such as previews and thumbnails. For example, photos received from AP Content Enrichment participants may not contain these metadata fields.

IPTC HEADER FIELD	AP ATOM FIELD
Caption	//entry/content/[@type="text/plain"]   <b>Note:</b> If the fullContent=nitf or fullContent=true parameter is specified in the feed request, the caption is located in the NITF story body: //entry/content/nitf/body/body.content/block/[@id="Caption"]/p
Object Name	//entry/title
Headline	apcm:HeadLine
Caption Writer	apcm:ByLine/[@Title="Caption Writer"]
Category	apcm:SubjectClassification/[@Authority="AP Category Code"]
Supplemental Categories	apcm:SubjectClassification/[@Authority="AP Supplemental Category Code"]
Byline	apcm:EntityClassification/@Value[../Property/@Value="PHOTOGRAPHER" and ../Property/@Name="PartyType"]
Byline Title	apcm:ByLine/[not(@Title="Caption Writer")]
Credit	apcm:Credit
Keywords	apcm:Keywords
Source	apcm:Source
Date Created	//entry/published
City	apcm:DateLineLocation/@City
State	apcm:DateLineLocation/@CountryArea
Country	apcm:DateLineLocation/@Country
Original Transmission Reference Number	apcm:TransmissionReference

## PHOTO NOTIFICATION BANNERS

Photo notification banners are advisories that are sent out when there are caption corrections, caption additions or kills of the previously delivered photos. Caption correction and addition advisories are followed by an updated publishable photo (sent as a revision of the original content item). If a replacement photo is sent after a photo kill, it is sent as a separate content item (not as a revision).

### AP Category Codes

Photo notification banner entries carry the AP Category code of "V" identifying them as non-publishable advisories:

```
<apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="Advisories" Id="V" />
```



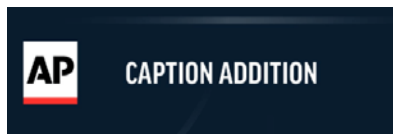
**Note:** The updated photo with caption corrections or additions is delivered with the AP Category Code of the original photo that is being corrected.



## Banner Images

### Caption Correction or Addition

A banner image linked to the caption correction or addition banner entry contains the notification type: "Caption Correction" or "Caption Addition" respectively; for example:



### Photo Kill

A banner image linked to the killed photo banner entry includes the caption, the thumbnail and the notification type ("Photo Kill"); for example:



## Identifying and Getting Revisions

When linking photo content item versions, take into account that a photo notification banner is delivered as a revision of the photo that is being corrected or killed. The updated photo with caption corrections or additions is delivered as a subsequent revision. The original photo entry, the banner entry and the updated photo have the same Management ID, and the Management Sequence Number is incremented with each revision; for example, "0" for the original photo entry, "1" for the notification banner entry and "2" for the updated photo entry.

**!** **Important:** Since the delivery of the notification banner and the updated photo happen in rapid succession, consistently receiving them requires using the Feed Sequencing values in your feed requests (for more information, see "Getting Unique Content" on page 12).

## ONLINE VIDEO RESTRICTIONS

### Restriction Types

Two types of optional restrictions are added for each online video:

- **Market outing** is a restriction that prohibits local stations from using a video. The market to be outed is identified by Demographic Market Area (DMA). There are about 210 defined DMAs. More than one market can be outed for a given video. By default, all markets are allowed.
- **Time restriction** specifies one of the following:
  - **Start and stop date and time** for using a video. The default start date and time is present time, and there is no default stop date and time. The values are provided in the ISO 8601 format. For more information, see <http://www.w3.org/TR/NOTE-datetime>.
  - **Duration**, that is, a time period during which a video may be used. Most video is limited to 14 days of use. The values are provided in the ISO 8601 format; for example, "P14D" means "duration of 14 days" and "PT24H" means "duration of 24 hours." For more information, see [http://en.wikipedia.org/wiki/ISO\\_8601#Durations](http://en.wikipedia.org/wiki/ISO_8601#Durations).



**Note:** The restrictions may be combined for a given video; for example, a video can have one or more markets outed and a time restriction for those markets that are allowed to use the video.

## UsageRights and ODRL V2

WebFeeds delivers market outing and time restrictions in the following formats:

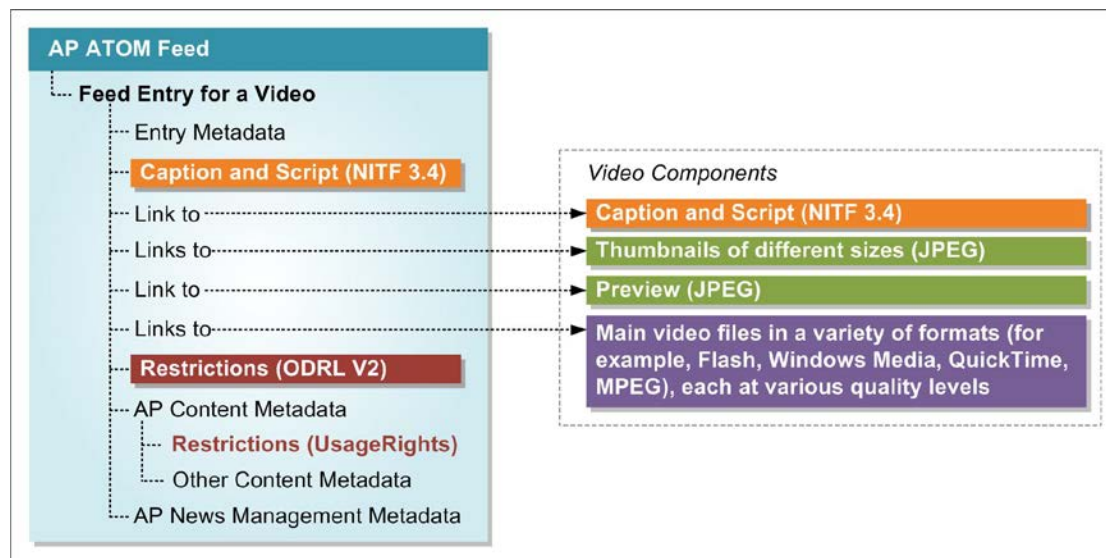
- **APCM UsageRights.** The UsageRights elements in the AP Content Metadata section of the AP ATOM feed contain non-publishable, human-readable instructions on the usage limitations associated with the video. For more information, see “APCM UsageRights for Online Video” on page 31.
- **Open Digital Rights Language (ODRL) Version 2.** Optionally, WebFeeds delivers online video restrictions as machine-readable rights in the ODRL format. For more information about ODRL V2, visit <http://www.w3.org/community/odrl/>. ODRL examples from the AP ATOM feed are provided in “ODRL Examples” on page 32. By default, the ODRL section does not appear in the AP ATOM feed.

### To include ODRL in the ATOM feed:

Use the showODRL=true parameter in the feed request URL; for example:

`http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=30029&idListType=products&showODRL=true`

In the AP ATOM entry, human-readable restrictions appear in the UsageRights elements in the AP Content Metadata section, and the ODRL restrictions appear between the links to video files and the AP Content Metadata section:



## APCM UsageRights for Online Video

### UsageRights Metadata Elements

Online video restrictions appear in the following APCM elements:

ELEMENT	DESCRIPTION
UsageRights	Non-publishable, human-readable instructions on the usage limitations associated with the video.
UsageType	The type of usage to which the rights apply. Possible values are DMAOuting, TimeRestriction and TimeDurationRestriction.
Limitations	Market outing restrictions. A separate <Limitations> element is included for each DMA to be outed.
StartDate	The start of the time period over which the stated rights apply (when UsageType is TimeRestriction). The default is present time.
EndDate	The end of the time period over which the stated rights apply (when UsageType is TimeRestriction) or the rights duration (when UsageType is TimeDurationRestriction).

### Example: DMA Outing

This video may not be used in New York (DMA 501):

```
- <apcm: UsageRights>
  <apcm: UsageType>DMAOuting</apcm: UsageType>
  <apcm: Limitations>501</apcm: Limitations>
</apcm: UsageRights>
```

### Example: Time Restriction

This video must be held for release until 2:00 PM EST on January 10, 2011, and it may not be used after 11:00 AM EST on January 11, 2011:

```
- <apcm: UsageRights>
  <apcm: UsageType>TimeRestriction</apcm: UsageType>
  <apcm: StartDate>2011-01-10T14:00:00-05:00</apcm: StartDate>
  <apcm: EndDate>2011-01-11T11:00:00-05:00</apcm: EndDate>
</apcm: UsageRights>
```

### Example: Time Duration Restriction

```
- <apcm: UsageRights>
  <apcm: UsageType>TimeDurationRestriction</apcm: UsageType>
  <apcm: EndDate>P14D</apcm: EndDate>
</apcm: UsageRights>
```

## ODRL Examples

### Market Outing for Multiple DMAs

This video may not be used in New York (DMA 501), Philadelphia (DMA 504) and Boston (DMA 506). Each of the outed DMAs appears in its own ODRL constraint element:

```
- <o:policy xmlns:o="http://odrl.net/2.0" type="o:set" inheritAllowed="true">
  - <o:permission>
    <o:asset uid="urn:publicid:ap.org:93c8afce73264b339b61c07d98e96910" />
    <o:action name="o:distribute" />
    <o:constraint name="o:spatial" operator="o:neq" rightOperand="dma:501" />
    <o:constraint name="o:spatial" operator="o:neq" rightOperand="dma:504" />
    <o:constraint name="o:spatial" operator="o:neq" rightOperand="dma:506" />
    <o:role function="o:assignee" />
  </o:permission>
</o:policy>
```

Annotations: URN for ATOM entry (points to the asset uid), DMAs to be outed (points to the constraint rightOperands).

### Start and Stop Date Time Restriction

This video must be held for release until 2:00 PM EST on January 11, 2011, and it may not be used after 11:00 AM EST on January 11, 2011:

```
- <o:policy xmlns:o="http://odrl.net/2.0" type="o:set" inheritAllowed="true">
  - <o:permission>
    <o:asset uid="urn:publicid:ap.org:93c8afce73264b339b61c07d98e96910" />
    <o:action name="o:play" />
    <o:constraint name="o:dateTime" operator="o:gteq" rightOperand="2011-01-10T14:00:00-05:00" />
    <o:constraint name="o:dateTime" operator="o:lt" rightOperand="2011-01-11T11:00:00-05:00" />
    <o:role function="o:assignee" />
  </o:permission>
</o:policy>
```

Annotations: URN for ATOM Entry (points to the asset uid), Start Datetime (points to the first constraint rightOperand), Stop Datetime (points to the second constraint rightOperand).

### Start Date Time Only Restriction

This video must be held for release until 2:00 PM EST on January 11, 2011:

```
- <o:policy xmlns:o="http://odrl.net/2.0" type="o:set" inheritAllowed="true">
  - <o:permission>
    <o:asset uid="urn:publicid:ap.org:93c8afce73264b339b61c07d98e96910" />
    <o:action name="o:play" />
    <o:constraint name="o:dateTime" operator="o:gteq" rightOperand="2011-01-10T14:00:00-05:00" />
    <o:role function="o:assignee" />
  </o:permission>
</o:policy>
```

Annotations: URN for ATOM entry (points to the asset uid), Start Datetime (points to the constraint rightOperand).

## Combined Market Outing and Time Restrictions

This video may not be used in New York (DMA 501). In other DMAs, it may be used from 2:00 PM EST on January 10, 2011 until 11:00 AM EST on January 11, 2011.

```

- <o:policy xmlns:o="http://odrl.net/2.0" type="o:set" inheritAllowed="true">
  - <o:permission>
    <o:asset uid="urn:publicid:ap.org:93c8afce73264b339b61c07d98e96910" />
    <o:action name="o:play" />
    <o:constraint name="o:dateTime" operator="o:gteq" rightOperand="2011-01-10T14:00:00-05:00" />
    <o:constraint name="o:dateTime" operator="o:lt" rightOperand="2011-01-11T11:00:00-05:00" />
    <o:role function="o:assignee" />
  </o:permission>
  - <o:permission>
    <o:asset uid="urn:publicid:ap.org:93c8afce73264b339b61c07d98e96910" />
    <o:action name="o:distribute" />
    <o:constraint name="o:spatial" operator="o:neq" rightOperand="dma:501" />
    <o:role function="o:assignee" />
  </o:permission>
</o:policy>

```

Annotations for the first permission block:

- URN for ATOM Entry
- Start Datetime
- End Datetime

Annotations for the second permission block:

- URN for ATOM Entry
- DMA to be outed

## Duration Time Restriction

This video may be used only for 24 hours from the publication time:

```

- <o:policy xmlns:o="http://odrl.net/2.0" type="o:set" inheritAllowed="true">
  - <o:permission>
    <o:asset uid="urn:publicid:ap.org:93c8afce73264b339b61c07d98e96910" />
    <o:action name="o:play" />
    <o:constraint name="acap2:elapsedTime" operator="o:gteq" rightOperand="PT24H" />
  </o:permission>
</o:policy>

```

Annotations for the permission block:

- URN for ATOM entry
- Duration

## AP ATOM DEFINITIONS AND USAGE



**Note:** This guide describes only the metadata added by the AP. For information about the standard ATOM elements, go to <http://tools.ietf.org/html/rfc4287>.



### AP News Management Metadata

In the AP ATOM feed, the AP News Management metadata is located in the "apnm" namespace and associated elements (see the sample feeds in "AP ATOM Examples" on page 41).



**Important:** You must use the AP News Management metadata to determine if there are any restrictions on distributing and publishing the AP ATOM entry's content. Content distribution must not violate your agreement with AP and copyright information contained in the content item and its metadata. Attributes are indicated by an at sign (@).

ELEMENT	DESCRIPTION
Signal	<p>A general-purpose field for passing information to users. It may indicate that the entry requires special processing; for example:</p> <ul style="list-style-type: none"> <li>– Test indicates test content.</li> <li>– Whitelisted (<i>for archive video content only</i>) indicates that all of the sources for an archive video content item appear on the whitelist.</li> <li>– Singlesource (<i>for archive video content only</i>) indicates that an archive video content item has only one source.</li> <li>– YOUTUBEMATCH or NOYOUTUBEMATCH is intended for AP video content submitted to Youtube. YOUTUBEMATCH indicates that another Youtube video should be evaluated as a close match to the video that AP is uploading to Youtube.</li> </ul>
ManagementId	<p>A globally unique identifier for the chain of revisions that comprise an item. Remains the same for the initial version and each subsequent revision. For example, if an article is written and rewritten several times during a news cycle as new information is uncovered, this ID value remains the same for each rewrite because it points to the chain of revised articles, and not an individual revision.</p> <div style="border: 1px solid black; padding: 5px;"> <p> <b>Important note for AP Content Enrichment participants:</b> This element contains the Management ID assigned to your content by the AP. If you submitted your own Management ID to the AP in an ATOM feed that meets AP specifications, it is located in the ForeignKeys element. Other news management values that you submitted in the ATOM feed (except for ExpirationDateTime and CreationDateTime) are returned in the respective AP ATOM elements.</p> </div>
ManagementSequenceNumber	<p>A natural number from 0 to the number of the content item revisions: 0 for the initial version, 1 for the first revision, 2 for the second revision and so forth. The higher the number, the more recent the article's revision.</p>

ELEMENT	DESCRIPTION
PublishingStatus	<p>Contains information regarding a content item's ability to be distributed to news consumers. Possible values are:</p> <ul style="list-style-type: none"> <li>– Usable. This content item may be distributed to news consumers in publishing forms that do not violate your agreement with the AP and copyright information contained in the content item and its metadata.</li> <li>– Embargoed (the same as Hold-For-Release). Do not distribute this content item to news consumers until the release date-time found in the @statusChangeOn attribute has occurred.</li> <li>– Withheld. Do not distribute this content item to news consumers because it contains questionable information. Any distributed form of the content item must be recalled.</li> <li>– Canceled (the same as Kill). Do not distribute this content item to news consumers because it contains erroneous information. Any distributed form of the content item must be recalled.</li> </ul> <div style="border: 1px solid black; padding: 5px;"> <p> <b>Important:</b> Do not use this element alone to determine a content item's publishing status. Check the values of the PublishingSpecialInstructions and PublishingReleaseDateTime elements to determine whether the content can be published.</p> </div>
@statusChangeOn	The date and time (in the W3C XML Schema's xs:dateTime format) when a news article may be published, used primarily for embargoed articles. For more information, see "Embargoed Article Entry" on page 52.
PublishingSpecialInstructions	Any human-readable instructions for processing the content. Do <u>not</u> distribute this information to news consumers, except where explicitly noted.
PublishingReleaseDateTime	The date and time (in the W3C XML Schema's xs:dateTime format) when a news article may be published, used primarily for embargoed articles.
ForeignKeys	<p>Allows third-party systems to store and fetch keys, so that you can look up and relate content to your internal keys.</p> <div style="border: 1px solid black; padding: 5px;"> <p> <b>Important note for AP Content Enrichment participants:</b> This element contains the IDs that you submitted to the AP in an ATOM feed that meets AP specifications; for example:</p> <pre>&lt;apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm"&gt;   &lt;apnm:ForeignKeys System="Member"&gt;     &lt;apnm:Keys Field="EntryId"       Id="urn:publicid:localnewspaper.com:a1234b5678"/&gt;     &lt;apnm:Keys Field="ManagementId"       Id="urn:publicid:localnewspaper.com:c9012d3456"/&gt;   &lt;/apnm:ForeignKeys&gt; &lt;/apnm:NewsManagement&gt;</pre> <p>Other news management values that you submitted in the ATOM feed (except for ExpirationDateTime and CreationDateTime) are returned in the respective AP ATOM elements.</p> </div>

## AP Content Metadata


The AP content metadata is located in the "apcm" namespace and associated elements with their values (see "AP ATOM Examples" on page 41). You can use this information to help determine where to use the content, but you are not required to do so.





**Note:** All AP content metadata elements are optional; however, if an element appears in the feed, its attributes and sub-elements may be required or optional. Required attributes are indicated by an asterisk (\*). Attributes are indicated by an at sign (@).



ELEMENT	DESCRIPTION																											
DateLineLocation	<ul style="list-style-type: none"> <li>– <i>Text and video</i>: More detailed information about the location identified in the Dateline field, intended to make the metadata more uniform and machine-usable.</li> <li>– <i>Photos</i>: The location depicted in the image.</li> </ul>																											
@City	The location’s city.																											
@Country	An abbreviated form of the location’s country.																											
@CountryName	The full name of the location’s country.																											
@CountryArea	The location’s country area. A country area is a large-scale division within a country; for example, a U.S. state or Canadian province.																											
@CountryAreaName	The full name of the location’s country area. A country area is a large-scale division within a country; for example, a U.S. state or Canadian province.																											
@Url	The URL for a virtual location associated with the content.																											
@LatitudeDD	The latitude of the location.																											
@LongitudeDD	The longitude of the location.																											
RightsLine	Human-readable instructions on the usage limitations associated with the publication.																											
Priority	The editorial priority assigned to the content.																											
@Numeric*	The integer priority value assigned to the content. The possible values range from 1 (highest priority) to 8 (lowest priority).																											
@Legacy	<p>The human-readable priority value assigned to the content. Because usage is deprecated, systems must rely on the @Numeric attribute for processing. The attribute values of the &lt;Priority&gt; element correspond as follows:</p> <table border="1"> <thead> <tr> <th>@Numeric</th> <th>@Legacy</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>f</td> <td>Flash</td> </tr> <tr> <td>2</td> <td>b</td> <td>Bulletin</td> </tr> <tr> <td>3</td> <td>u</td> <td>Urgent</td> </tr> <tr> <td>4</td> <td>r</td> <td>Routine</td> </tr> <tr> <td>5</td> <td>d</td> <td>Daily</td> </tr> <tr> <td>6</td> <td>w</td> <td>Release at will</td> </tr> <tr> <td>7</td> <td>a</td> <td>Weekday advance</td> </tr> <tr> <td>8</td> <td>s</td> <td>Weekend advance</td> </tr> </tbody> </table>	@Numeric	@Legacy	Description	1	f	Flash	2	b	Bulletin	3	u	Urgent	4	r	Routine	5	d	Daily	6	w	Release at will	7	a	Weekday advance	8	s	Weekend advance
@Numeric	@Legacy	Description																										
1	f	Flash																										
2	b	Bulletin																										
3	u	Urgent																										
4	r	Routine																										
5	d	Daily																										
6	w	Release at will																										
7	a	Weekday advance																										
8	s	Weekend advance																										
PriorityLine	A non-publishable line intended to draw the attention of newspaper editors to the priority of a story using a single word in addition to the priority code. It is used for Urgent, Bulletin or Flash stories as a supplement to the priority code (u, b or r).																											
ConsumerReady	<p>Indicates whether the content is publishable. Possible values are:</p> <ul style="list-style-type: none"> <li>– TRUE. Indicates that this is a news item, meant to be published.</li> <li>– FALSE. Indicates that the content is for editorial information only, not a news item and not intended for publication. Examples include advisories, daybooks and photo notification banners.</li> </ul>																											
ByLine	The name of the party who created or contributed to the content. This field may contain the name of a photographer, writer, speaker, caption writer or any other individual involved in the creation of the content. For more information, see “About Bylines” on page 23.																											
@Title	The title of the party referenced in the ByLine.																											
Credit	The name of the party or parties that are credited with providing the content.																											
DateLine	<ul style="list-style-type: none"> <li>– <i>Text</i>: The place where the basic information for the story was obtained.</li> <li>– <i>Video</i>: A natural-language statement of the date and/or place of creation of the content item.</li> </ul>																											

ELEMENT	DESCRIPTION
ExtendedHeadLine	Longer form headline for the article.
DownstyleHeadLine	Headline for the article with only the first word in initial uppercase.
DownstyleExtendedHeadLine	Longer form headline for the article with only the first word in initial uppercase.
HeadLine	A brief synopsis of the content item that may include Publishing System Versioning information or editorial instructions.
OriginalHeadLine	A brief publishable synopsis of the content item.
Keywords	A multi-word field used to expedite content searching.
OutCue	Information derived from the content item which identifies the end point of the content item; used primarily in audio clips.
OverLine	An additional, concise sentence description of the content that is appropriate for publishing to an audience; used primarily with photo content.
SeriesLine	A displayable version of information about a content item's place in a series or sub-publication.
Cycle	<p>A legacy field that indicated which news cycle may use the publication. Currently, the only possible values for all AP content are:</p> <ul style="list-style-type: none"> <li>– AP. The content is intended for an online or broadcast audience.</li> <li>– BC. The content is intended for a print audience.</li> </ul> <p>Additional possible values for content from non-AP sources are:</p> <ul style="list-style-type: none"> <li>– AM. Morning newspapers have first use of the story.</li> <li>– PM. Afternoon newspapers have first use of the story.</li> </ul> <p> <b>Note:</b> All AP photos have a value of “AP”.</p>
Selector	A five-character field adopted from the ANPA 89-3 specification of assigned lowercase alphanumeric characters and hyphens that provides a fixed identity of the content. It is used for routing and addressing, primarily in text articles.
LegacyTypeSetFormat	<p>A two-character format code adopted from the ANPA 89-3 specification and used to indicate the font type and size appropriate for the content when published in a physical medium, such as a newspaper. This element is used only with text articles. Possible values are:</p> <ul style="list-style-type: none"> <li>– bt. The article is intended to be set in body type and contains one or more tabular lines.</li> <li>– at. The article is intended to be set in agate type and contains one or more tabular lines.</li> <li>– ax. The article is intended to be set in agate type and contains no tabular lines.</li> <li>– bx. The article is intended to be set in body type or standard text.</li> </ul>
TransmissionReference	The reference ID value used to identify a transmission of the content item across one or more mediums, depending on the practices of the content distributor.
SlugLine	The slug for the content item.
FriendlyKey	A human-readable ID that uniquely identifies a content item.
MediaType	The generic media type of the content item. Possible values are Text, Photo, Graphic, Video and Audio.
Creator	The name of the organization or individual that created the publication.
Source	The name of the organization or individual that provided source material for the publication.

ELEMENT	DESCRIPTION
@City	The city in which the Source party is located, as provided by the party.
@CountryArea	The country area; for example, state or province, in which the Source party is located, as provided by the party.
@Country	The country in which the Source party is located, as provided by the party.
@Url	The URL for the Source party's Web domain or website, as provided by the party.
@Id	The ID for the Source party in AP systems.
@Type	The Source party's type in AP systems.
EntityClassification	Named people, organizations and places mentioned in the content. For more information, refer to the <i>AP Classification Metadata Reference Guide</i> .
@Authority*	The type of entity and the originating AP taxonomy for that entity.
@Value*	A human-readable label for the classification object.
@Id	The ID for the classification object in AP systems.
SubjectClassification	A topic, category or subject that describes the content. For more information, refer to the <i>AP Classification Metadata Reference Guide</i> and <i>AP Subject Category Values</i> .
@System	Indicates the origin of the subject tag. Possible values are "Editorial" (assigned by an AP editor) and "Machine" (assigned by the AP classification system).
@Authority*	The type of subject and the originating AP taxonomy for that subject.
@Value*	A human-readable label for the classification object.
@Id	The ID for the classification object in AP systems.
SalesClassification	An editorially selected group indicating a broad product group for the content item.
@Authority*	The type of sales group and the originating AP taxonomy for that group.
@Value*	A human-readable label for the classification object.
@Id	The ID for the classification object in AP systems.
AudienceClassification	A designation of the audience (for example, geographic, demographic, economic group) that would have an interest in the content.
@Authority*	The type of audience and the originating AP taxonomy for that group.
@Value*	A human-readable label for the classification object.
@Id	The ID for the classification object in AP systems.
 <b>Note:</b> The EntityClassification, SubjectClassification, SalesClassification and AudienceClassification elements may contain an optional Property element with the following optional attributes: @Id, @Name and @Value.	
ItemContentType	Identifies the logical editorial type of the content item. Provides a processing hint to applications that allows them to quickly determine the content type for inclusion or exclusion in product groups or automated processes. Examples of possible values are Spot Development, Advisory and Weather Forecast. For more information, refer to the <i>AP Classification Metadata Reference Guide</i> .
DistributionScope	Indicates an editorial judgment of the relative geographical audience who would be interested in the content item. Possible values are Local, State, National and Global. For example, a value of State indicates that a statewide audience would be interested in the news represented in the content item whereas National and Global audiences would not be interested.

ELEMENT	DESCRIPTION
ContentElement	<p>Indicates the editorial role of a content item.</p> <p>Possible values for text are:</p> <ul style="list-style-type: none"> <li>– NewsAlert. A first, headline-length look at a breaking story.</li> <li>– FastStory. Used for either of the following: <ul style="list-style-type: none"> <li>– AP NewsNow—a short story (130 words maximum) used for breaking news and non-urgent stories that can be told in 130 words.</li> <li>– The Latest—AP's special editorial representation of developing stories. For more information, see "About 'The Latest' for Developing Stories" on page 24.</li> </ul> </li> <li>– FullStory. A full-length AP news story.</li> <li>– Other. An AP news item that represents a collection of stories, such as a <b>Headline Package</b>.</li> </ul> <p>Possible values for video are:</p> <ul style="list-style-type: none"> <li>– Package. A self-contained story with video and sound bites, including a prerecorded narration. AP provides packages with a script and the anchor narration on one channel and the natural sound and sound bites on a separate channel for the local station to rerecord the narration if necessary.</li> <li>– VO. Video to be voiced over live by an anchor in a newscast (an edited section of natural sound video showing the best pictures).</li> <li>– SOT. Sound on tape, with one or more sound bites edited together.</li> <li>– VOSOT. Video to be voiced over live by an anchor in a newscast followed by a sound bite or multiple sound bites.</li> </ul>
Fixture	Identifies named sets of regularly occurring content, with a predictable focus, where standardizing the name enables more effective search or product creation. For more information, refer to the <i>AP Classification Metadata Reference Guide</i> .
UsageRights	Non-publishable, human-readable instructions on the usage limitations associated with the publication.
UsageType	The type of usage to which the rights apply.
Geography	The geographical area(s) to which specified usage rights pertain.
RightsHolder	Indicates who has the usage rights.
Limitations	Any restrictions on the use of the content.
StartDate	The start of the time period over which the stated rights apply.
EndDate	The end of the time period over which the stated rights apply.
FirstCreated	<p>The date and time when the content for the current revision of the publication was created rather than the news item filing date and time. For example, a photo taken at a Sunday night game and filed on Monday morning would carry the apcm:FirstCreated value from Sunday, and the updated and published values for the photo entry would be from Monday.</p> <div style="border: 1px solid black; padding: 5px;"> <p> <b>Note:</b> For news items with multiple revisions, such as news stories, the apcm:FirstCreated value is the date and time when the current revision was filed.</p> </div>
Characteristics	Attributes of the content which are pertinent to the content's retrieval and presentation; used mainly for binary content, such as photographic or illustration images and audio or video clips.
@TotalDuration	The total time duration of the content; used only for audio and video clips.

ELEMENT	DESCRIPTION
@AudioChannels	A numeral that represents the number of audio channels used in the content. Possible values are: <ul style="list-style-type: none"> <li>– '0' = no data</li> <li>– '1' = monaural (one-channel) audio</li> <li>– '2' = stereo (two-channel) audio</li> </ul>
@SampleRate	The number of audio samples per second in the audio or video content, expressed as audio sampling frequency in hertz (Hz).
@ResolutionValue	The recording or image resolution of the content.
@ResolutionUnits	The units used for the value within ResolutionValue (for example, bits or dpi).
@Height	Height of image/video in pixels.
@Width	Width of image/video in pixels.
@AverageBitRate	The content's average amount of data that is transferred per second; used mainly for audio and video content.
@FrameRate	The content's number of frames per second; used mainly for audio and video content.
@VideoCoder	The video encoding system used to create the content.
@LanguageDescription	Describes the audio portion of the video content item, which might be a language or languages heard on the video, and/or a description of the nature of the sound heard, such as 'NatSound' (natural sound).
@FileExtension	The file extension of the content item; primarily used with non-text media, such as images, audio clips and video clips. <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">  <b>Note:</b> If a file extension is not available, the default file extension .BIN is used. </div>
@MediaType	The generic media type of the content item. Possible values are Text, Photo, Graphic, Video and Audio.
@Format	The format of the content item data.
@OriginalFileName	The name of the original media file.
@ContentId	The unique ID of a content item.
@Role	The role of the content item. Possible values are Caption, Thumbnail, Preview and Main.
@SizeInBytes	The byte size of the content item data.
@AnimationType	Type of animation used (linear or non-linear); used only for video.
@AspectRatio	Ratio of pixel height to width; used for photos and video.
@AudioCoder	Type of encoding used for the audio signal; used only for audio.
@ChannelConfiguration	Configuration of recording channels; used for audio and video.
@ColorSpace	Color space in which an image file resides; used only for photos.
@Concept	Concept associated with the media; used only for photos.
@CopySpace	Copy space; used only for photos.
@DataRate	Data rate; used for audio and video.
@Digest	A checksum or hash of the content item data created using the "MD5" digest algorithm; used for photos and graphics.
@DurationFrameValue	Frame duration; used only for video.
@EncodedBy	Name of a person or equipment that created the encoding; used only for audio.
@Font	Font used for text rendition; used for photos, graphics and video.
@FormatVersion	Version number as applied to the format of data; used for photos, graphics, audio and video.

METADATA ELEMENT	DESCRIPTION
@FramesTotal	Total number of video frames.
@HeightWidthRatio	Integer ratio for vector graphics; used for photos, graphics and video.
@InTimeCode	Time on a tape where the video content begins.
@InTimeFrameValue	Number of frames past the last second indicated in InTimeCode on a tape where the video content begins.
@KeyFrames	Total number of key frames (intra images).
@Make	Make of recording device; used for photos, audio and video.
@Model	Model of recording device; used for photos, audio and video.
@Orientation	Photo orientation.
@PhotoType	Photo type.
@PixelDepth	Number of bits of a pixel; used only for photos.
@QualityLevel	Image quality as a perceived function of resolution; used for photos, audio and video.
@Rotation	Value of the rotation (necessary to preview the image), in degrees; used only for photos.
@Sampling	Video sampling method.
@Scene	Description of recording scene; used only for photos.
@TrackNumber	Track number of an audio recording.
@Tracks	Number of tracks in an audio recording.
@Vbr	Variable bit rate flag; used for audio and video.
@Words	Approximate number of words in the textual content; used only for text stories.

## AP ATOM EXAMPLES

### AP ATOM Feed for a Text Story

The following example shows a feed that includes one story. The link to the entire story in the NITF format is highlighted in gray in the example. For more information, see “NITF” on page 55.

```
- <feed xmlns="http://www.w3.org/2005/Atom" xmlns:apcm="http://ap.org/schemas/03/2005/apcm"
  xmlns:apnm="http://ap.org/schemas/03/2005/apnm" >
  <id>urn:publicid:ap.org:319</id>
  - <title type="xhtml" >
    - <apxh:div xmlns:apxh="http://www.w3.org/1999/xhtml" >
      <apxh:span>Odd News</apxh:span>
    </apxh:div>
  </title>
  - <apcm:Property Name="FeedProperties" >
    <apcm:Property Name="Entitlement" Id="urn:publicid:ap.org:productid:319" Value="Odd News" />
    - <apcm:Property Name="FeedSequencing" >
      <apcm:Property Name="sequenceNumber" Id="4393397" />
      <apcm:Property Name="minDateTime" Value="2008-03-07T12:27:45.923Z" />
    </apcm:Property>
  </apcm:Property>
  <updated>2008-03-07T12:27:45.923Z</updated>
  - <author >
    <name>The Associated Press</name>
    <uri>http://www.ap.org</uri>
  </author >
  <rights>Copyright 2008 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</rights>
  <link rel="self" href="http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=319&idListType=products&maxItems=1" />
  - <entry xmlns="http://www.w3.org/2005/Atom" >
    <id>urn:publicid:ap.org:53e8a08557cb40a4b8a85089c14eea6f</id>
    <title>ODD-Monster-Toad</title>
    <updated>2008-03-07T12:27:45.923Z</updated>
```



```

<published>2008-03-07T12:27:36Z</published>
<rights>Copyright 2008 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
redistributed.</rights>
<content type="text/plain" xml:lang="en-US">Group Finds Toad the Size of a Small Dog, 1st Ld-Writethru</content>
- <link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx
?media=text&recordid=53e8a08557cb40a4b8a85089c14eea6f&authToken=xGMue..." type="text/xml" length="105">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:29f4fa4eae924e79b41807e5d90e68c0" FileExtension="xml"
  Format="IIM" MediaType="Text" Role="Main" SizeInBytes="269" Words="246"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:Priority Numeric="4" Legacy="r" />
  <apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
  <apcm:DateLine>DARWIN, Australia</apcm:DateLine>
  <apcm:HeadLine>Group Finds Toad the Size of a Small Dog, 1st Ld-Writethru</apcm:HeadLine>
  <apcm:OriginalHeadLine>Group Finds Toad the Size of a Small Dog</apcm:OriginalHeadLine>
  <apcm:ExtendedHeadLine>Australian Environmental Group Captures 'Monster' Toad the Size of a Small
  Dog</apcm:ExtendedHeadLine>
  <apcm:DownstyleExtendedHeadLine>Australian environmental group captures 'monster' toad the size of a small
  dog</apcm:DownstyleExtendedHeadLine>
  <apcm:DownstyleHeadLine>Group finds toad the size of a small dog</apcm:DownstyleHeadLine>
  <apcm:Keywords>ODD-Monster-Toad</apcm:Keywords>
  <apcm:Cycle>AP</apcm:Cycle>
  <apcm:Selector>-----</apcm:Selector>
  <apcm:LegacyTypeSetFormat>bx</apcm:LegacyTypeSetFormat>
  <apcm:TransmissionReference>V6146</apcm:TransmissionReference>
  <apcm:SlugLine>AP-ODD-Monster-Toad,1st Ld-Writethru</apcm:SlugLine>
  <apcm:ContentElement>FullStory</apcm:ContentElement>
  <apcm:MediaType>Text</apcm:MediaType>
  <apcm:EntityClassification Authority="AP Country" Value="Australia" Id="AUS" />
  <apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="i" Id="i"/>
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:productid:319" Value="Odd News" />
  <apcm:Property Name="SequenceNumber" Value="InSequence" Id="4393397" />
  <apcm:FirstCreated>2008-03-07T12:27:36Z</apcm:FirstCreated>
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:ManagementId>urn:publicid:ap.org:bcdd90bfdbfe4d65a12f01d3620c46f8</apnm:ManagementId>
  <apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
  <apnm:PublishingStatus>Usable</apnm:PublishingStatus>
</apnm:NewsManagement>
</entry>
</feed>

```

## Story Link vs. Full Story in AP ATOM

By default, the `<content>` element in each AP ATOM feed entry contains a story headline, and the `<link>` element contains a link to the full story in NITF format; for example:

```

<content type="text/plain" xml:lang="en-US">Investigators Eye Deck in N.C. Fire</content>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&recordid=b388861dc31a402fa19f
  87959c9c4e87 &authToken=eNoFwIEKg..." type="text/xml" length="250">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:3580e2b21339474fa321f6a60ebd82d5" FileExtension="xml"
  Format="IIM" MediaType="Text" MimeType="text/xml" Role="Main" SizeInBytes="250" Words="819"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>

```

If the `fullContent=nitf` parameter is specified in the feed request, the full story in NITF format appears in the `<content>` element, and the link to the NITF-formatted story is not included; for example:

```

- <content type="text/xml" xml:lang="en-US">
  - <nitf version="//IPTC//DTD NITF 3.4//EN" change.date="October 18, 2006" change.time="19:30">
    - <head xmlns="">
      + <docdata>
    </head>
    - <body xmlns="">
      - <body.head>
        - <hedline>
          <h1>Investigators Eye Deck in N.C. Fire</h1>

```

```

</headline>
- <byline>
  By ESTES THOMPSON
  <byttl>Associated Press Writer</byttl>
</byline>
< distributor>The Associated Press</distributor>
+ < dateline>
</body.head>
- <body.content>
+ < media media-type="Photo">
...
- <block id="Main">
  <p>OCEAN ISLE BEACH, N.C. (AP) _ A fire at a vacation house where college students went to take advantage of the
  last good beach weather may have started on a deck, an official said Monday, as two campuses waited to find out the
  names of the seven dead.</p>
  <p>The home erupted into a storm of fire and smoke Sunday morning in Ocean Isle Beach, N.C. Six of the seven
  students killed attended the University of South Carolina; the other attended Clemson University. Six other South
  Carolina students in the house survived.</p>
  ...
  </block>
</body.content>
<body.end />
</body>
</nitf>
</content>

```

## Links to ANPA and IPTC in AP ATOM

If you specify the `showAnpaLinks=true` and/or `showIptcLinks=true` parameter in your feed request, links to ANPA and/or IPTC 7901 files are included in the feed; for example:

```

<content type="text/plain" xml:lang="en-US">Stocks surge on strong earnings from Intel, JPMorgan, 12th Ld, US</content>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx?media=text&recordid=2851c0ef6006419caf9feb
  e91b99321b..." length="143">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:98dd2f5436454e76940b2b46e9331dcb" FileExtension="anpa"
  Format="ANPA1312" MediaType="Binary" MimeType="application/octet-stream" Role="Main" SizeInBytes="143"
  Words="395" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx?media=text&recordid=2851c0ef6006419caf9feb
  e91b99321b..." length="143">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:98dd2f5436454e76940b2b46e9331dcb" FileExtension="iptc"
  Format="IPTC7901" MediaType="Binary" MimeType="application/octet-stream" Role="Main" SizeInBytes="143"
  Words="395" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx?media=text&contentid=98dd2f5436454e76940
  b2b46e9331dcb..." type="text/xml" length="143">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:98dd2f5436454e76940b2b46e9331dcb" FileExtension="xml"
  Format="IIM" MediaType="Text" MimeType="text/xml" Role="Main" SizeInBytes="143" Words="395"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>

```

If you specify the `showAllFilings=true` parameter in addition to the `showAnpaLinks=true` or `showIptcLinks=true` parameter, links to all of the individual filings of each story are included. The `ContentId` is the same for all filings (shown in **blue** in the following example), but the `FilingId` is different (shown in **green**):

```

<content type="text/plain" xml:lang="en-US">Reports on consumer confidence, GDP tug at stocks</content>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker2/ContentBroker.aspx?media=text&recordid=37672d1d71dd493999
  d37a9bef12c44b&filingid=f68cd91fa5864642b131839827992f67..." length="2209">
  <apcm:Characteristics IngestLink="True" ContentId="urn:publicid:ap.org:15ea36130d3944de9227d982c9d8b5ea"
  FilingId="urn:publicid:ap.org:f68cd91fa5864642b131839827992f67" FileExtension="anpa" Format="ANPA1312"
  MediaType="Binary" MimeType="application/octet-stream" Role="Main" SizeInBytes="2209" Words="388"... />
</link>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker2/ContentBroker.aspx?media=text&recordid=37672d1d71dd493999
  d37a9bef12c44b&filingid=a2d4613cd6d74df1802666991372ce13..." length="2209">
  <apcm:Characteristics IngestLink="True" ContentId="urn:publicid:ap.org:15ea36130d3944de9227d982c9d8b5ea"

```



## Links to hNews in AP ATOM

If the `showHNewsLinks=true` parameter is specified in the feed request, the `<content>` element in each AP ATOM feed entry contains a story headline, and one of the `<link>` elements contains a link to the full story in the hNews format. A link to the NITF-formatted story is also included; for example:

```
<content type="text/plain" xml:lang="en-US">AP Top Vermont Headlines At 12:09 p.m. EDT, VT</content>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker2/ContentBroker.aspx?media=text&recordid=f767bd0acc418e9b40a8
  396b41bf1e&showHNewsLinks=True&fmt=15&authToken=eNoFw..." length="0">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:ca438c2f61a1407096d3ac5a60e8a42a" FileExtension="html"
  Format="hNews" MediaType="Text" MimeType="text/html" Role="Main" SizeInBytes="0" Words="104"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBroker2/ContentBroker.aspx?media=text&contentid=ca438c2f61a1407096d3a
  c5a60e8a42a..." type="text/xml">
  <apcm:Characteristics ContentId="urn:publicid:ap.org:ca438c2f61a1407096d3ac5a60e8a42a" FileExtension="xml"
  Format="IIM" MediaType="Text" MimeType="text/xml" Role="Main" SizeInBytes="0" Words="104"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
```

For more information, see "hNews" on page 58.

## AP Top Headlines Feed



**Note:** This section is intended for users who are entitled to AP Top Headlines.

The following example shows three entries of an AP Top Headlines feed. The sections that identify the relationship between the Top Headline parent and Top Headline stories are highlighted in gray.

```
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:fe791c47ae224a60983c17fcef40d2ee</id>
  <title>Top-General-Headlines</title>
  <updated>2007-11-02T15:04:27.660Z</updated>
  <published>2007-11-02T14:37:19Z</published>
  <rights>Copyright 2007 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</rights>
  <content type="text/plain" xml:lang="en-US">AP Top News At 10:35 a.m. EDT</content>
+ <link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/Content
  Broker.aspx?media=text&recordid=fe791c47ae224a60983c17fcef40d2ee&authToken=eNptk..." type="text/xml">
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:Priority Numeric="4" Legacy="r" />
  <apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
  <apcm:HeadLine>AP Top News At 10:35 a.m. EDT</apcm:HeadLine>
  <apcm:OriginalHeadLine>AP Top News At 10:35 a.m. EDT</apcm:OriginalHeadLine>
  <apcm:Keywords>Top-General-Headlines</apcm:Keywords>
  <apcm:Cycle>AP</apcm:Cycle>
  <apcm:Selector>-----</apcm:Selector>
  <apcm:LegacyTypeSetFormat>bx</apcm:LegacyTypeSetFormat>
  <apcm:TransmissionReference>V4824</apcm:TransmissionReference>
  <apcm:SlugLine>AP-Top-General-Headlines</apcm:SlugLine>
  <apcm:MediaType>Text</apcm:MediaType>
  <apcm:EntityClassification Authority="AP Country" Value="Iran" Id="IRN" />
  <apcm:EntityClassification Authority="AP Country" Value="Mexico" Id="MEX" />
  <apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="a" Id="a" />
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:31990" Value="AP Online Top General Short
  Headlines" />
  <apcm:Property Name="SequenceNumber" Value="InSequence" Id="3830303" />
- <apcm:Property Name="Top Headline Children">
  <apcm:Property Name="AP Article" Id="urn:publicid:ap.org:b677f7be2bb24683baf8cf477e062935" />
  <apcm:Property Name="AP Article" Id="urn:publicid:ap.org:2d42cd5717044b9e8572bfe56d460d63" />
  ...
  </apcm:Property>
  ...
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:ManagementId>urn:publicid:ap.org:37ccf119a68644cdb01168a278db1d20</apnm:ManagementId>
  <apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
```

```

    <apnm:PublishingStatus>Usable</apnm:PublishingStatus>
  </apnm:NewsManagement>
</entry>
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publid:ap.org:683503204eee4b21a10efe39796ce817</id>
  <title>Rice</title>
  <updated>2007-11-02T14:57:31.970Z</updated>
  <published>2007-11-02T14:23:50Z</published>
  <rights>Copyright 2007 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</rights>
  <content type="text/plain" xml:lang="en-US">Rice: Kurdish Rebels Are 'Common Threat'</content>
  + <link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.
  asp?media=text&recordid=683503204eee4b21a10efe39796ce817&authToken=eNp..." type="text/xml" length="238">
  - <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
    <apcm:DateLineLocation Country="TUR" CountryArea="ANKARA" CountryName="TURKEY" />
    ...
    <apcm:Property Name="EntitlementMatch" Id="urn:publid:ap.org:product:31990" Value="AP Online Top General Short
    Headlines" />
    <apcm:Property Name="SequenceNumber" Value="OutOfSequence" Id="0" />
  - <apcm:Property Name="Top Headline Parent">
    <apcm:Property Name="AP Article" Id="urn:publid:ap.org:37ccf119a68644cdb01168a278db1d20" />
  </apcm:Property>
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:ManagementId>urn:publid:ap.org:b677f7be2bb24683baf8cf477e062935</apnm:ManagementId>
  <apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
  <apnm:PublishingStatus>Usable</apnm:PublishingStatus>
</apnm:NewsManagement>
</entry>
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publid:ap.org:4a4981999cb54c54bf101cebd78d3911</id>
  <title>Tropical-Weather</title>
  <updated>2007-11-02T15:02:08.077Z</updated>
  <published>2007-11-02T14:23:30Z</published>
  <rights>Copyright 2007 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</rights>
  <content type="text/plain" xml:lang="en-US">Deadly Atlantic Storm Heads Toward US</content>
  + <link rel="enclosure" title="AP Article"
  href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&recordid=4a4981999cb54c54bf1
  01cebd78d3911&authToken=eNptkIFOBCEMhi80TNpCgT7..." type="text/xml" length="239">
  - <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
    <apcm:DateLineLocation Country="BHS" CountryArea="NASSAU" CountryName="BAHAMAS" />
    ...
    <apcm:Property Name="EntitlementMatch" Id="urn:publid:ap.org:product:31990" Value="AP Online Top General Short
    Headlines" />
    <apcm:Property Name="SequenceNumber" Value="OutOfSequence" Id="0" />
  - <apcm:Property Name="Top Headline Parent">
    <apcm:Property Name="AP Article" Id="urn:publid:ap.org:37ccf119a68644cdb01168a278db1d20" />
  </apcm:Property>
  ...
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:ManagementId>urn:publid:ap.org:2d42cd5717044b9e8572bfe56d460d63</apnm:ManagementId>
  <apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
  <apnm:PublishingStatus>Usable</apnm:PublishingStatus>
</apnm:NewsManagement>
</entry>
...

```

If the autoFlatten=false parameter is specified in a feed request, only the parent entry is included in the feed. Note that the feed does not contain the individual story entries and the <apcm:Property Name="Top Headline Children"> element from the parent entry:

```

- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publid:ap.org:fe791c47ae224a60983c17fcef40d2ee</id>
  <title>Top-General-Headlines</title>
  <updated>2009-09-02T15:04:27.660Z</updated>
  <published>2009-09-02T14:37:19Z</published>
  <rights>Copyright 2009 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</rights>
  <content type="text/plain" xml:lang="en-US">AP Top News At 10:35 a.m. EDT</content>

```



```
+ <link rel="enclosure" title="AP Article" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/Content
Broker.aspx?media=text&recordid=fe791c47ae224a60983c17fcef40d2ee&authToken=eNptk..." type="text/xml">
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:Priority Numeric="4" Legacy="r" />
  <apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
  <apcm:HeadLine>AP Top News At 10:35 a.m. EDT</apcm:HeadLine>
  <apcm:OriginalHeadLine>AP Top News At 10:35 a.m. EDT</apcm:OriginalHeadLine>
  <apcm:Keywords>Top-General-Headlines</apcm:Keywords>
  ...
  <apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="a" Id="a" />
  <apcm:Property Name="EntitlementMatch" Id="urn:publid:ap.org:product:31990" Value="AP Online Top General Short
  Headlines" />
  <apcm:Property Name="SequenceNumber" Value="InSequence" Id="3830303" />
  <apcm:FirstCreated>2009-09-02T14:37:19Z</apcm:FirstCreated>
</apcm:ContentMetadata>
+ <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
</entry>
```

## Photo Entry

The following example shows a feed entry for a photo. The links to the photo caption, the main image, the preview image and the thumbnail are highlighted in gray.

```
- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publid:ap.org:f7db680f94a9495cb982ea978328071d</id>
  <title>SWEDEN FIGURE SKATING WORLD CHAMPIONSHIPS</title>
  <updated>2009-03-18T15:51:43.947Z</updated>
  <published>2009-03-18T15:51:40Z</published>
  <content type="text/plain" xml:lang="en-US">France's Isabelle Delobel and Olivier Schoenfelder perform their compulsory dance
  routine in the opening event of the World Figure Skating Championships in Goteborg, Sweden. (AP Photo/Francois
  Mori)</content>
- <link rel="enclosure" title="AP Caption"
  href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&recordid=f7db680f94a9495cb98
  2ea978328071d&authToken=eNoVw..." type="text/xml" length="245">
  <apcm:Characteristics ContentId="urn:publid:ap.org:2777320a6504460a93a56fdf8492bb61" FileExtension="xml"
  Format="NITF" MediaType="Photo" MimeType="text/xml" Role="Caption" SizeInBytes="245"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Photo"
  href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=1ad10e47f191445594de49a8ecae
  7061&fmt=jpg&role=Main&reldt=2008-03-18T15:51:40&media=Photo&recordid=
  f7db680f94a9495cb982ea978328071d&authToken=eNoVw..." type="image/jpeg" length="1505513">
  <apcm:Characteristics ContentId="urn:publid:ap.org:1ad10e47f191445594de49a8ecae7061"
  Digest="f2e7615cbeaa24283626f28f65e68600" FileExtension="jpg" Format="JPEG Baseline" Height="1925"
  MediaType="Photo" MimeType="image/jpeg" OriginalFileName="FIGURE SKATING.JPEG" PhotoType="Horizontal"
  Role="Main" SizeInBytes="1505513" Width="3000" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Thumbnail Image"
  href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=9b4b8d167bea49b99b01b951d5fe
  9fea&fmt=jpg&role=Thumbnail&reldt=2008-03-18T15:51:40&media=Photo&recordid=
  f7db680f94a9495cb982ea978328071d&authToken=eNoVw..." type="image/jpeg">
  <apcm:Characteristics ContentId="urn:publid:ap.org:9b4b8d167bea49b99b01b951d5fe9fea"
  Digest="d531d401c7993752b217cbb9d834fcf2" FileExtension="jpg" Format="JPEG Baseline" Height="82"
  MediaType="Photo" MimeType="image/jpeg" OriginalFileName="FIGURE SKATING.JPEG" Role="Thumbnail" Width="128"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Preview Image"
  href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=6348394b763b483bb154d4d150d
  40340&fmt=jpg&role=Preview&reldt=2008-03-18T15:51:40&media=Photo&recordid=
  f7db680f94a9495cb982ea978328071d&authToken=eNoVw..." type="image/jpeg">
  <apcm:Characteristics ContentId="urn:publid:ap.org:6348394b763b483bb154d4d150d40340"
  Digest="66d73c8d9339b66d817ef2a90752060e" FileExtension="jpg" Format="JPEG Baseline" Height="328"
  MediaType="Photo" MimeType="image/jpeg" OriginalFileName="FIGURE SKATING.JPEG" Role="Preview" Width="512"
  xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:DateLineLocation City="GOTEBURG" Country="SWE" CountryName="Sweden" />
  <apcm:Priority Numeric="5" Legacy="d" />
  <apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
  <apcm:ByLine Title="Caption Writer">FM,JW</apcm:ByLine>
```



```

<apcm:ByLine Title="STAFF">Francois Mori</apcm:ByLine>
<apcm:Credit>ASSOCIATED PRESS</apcm:Credit>
<apcm:Cycle>AP</apcm:Cycle>
<apcm:Selector>-----</apcm:Selector>
<apcm:TransmissionReference>GOT134</apcm:TransmissionReference>
<apcm:SlugLine>SWEDEN FIGURE SKATING WORLD CHAMPIONSHIPS</apcm:SlugLine>
<apcm:FriendlyKey>080318010719</apcm:FriendlyKey>
<apcm:MediaType>Photo</apcm:MediaType>
- <apcm:EntityClassification Authority="AP Party" Value="FM,JW">
  <apcm:Property Id="11bc985a148d45a781e5bae4d40b1c11" Name="PartyType" Value="CAPTIONWRITER" />
</apcm:EntityClassification>
- <apcm:EntityClassification Authority="AP Party" Value="Francois Mori">
  <apcm:Property Id="111a147611e548de93ad20a387d49200" Name="PartyType" Value="PHOTOGRAPHER" />
</apcm:EntityClassification>
<apcm:SubjectClassification System="Editorial" Authority="AP Subject" Value="Sports"
  Id="54df6c687df7100483dedf092526b43e" />
<apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="Sports" Id="S" />
<apcm:SubjectClassification System="Editorial" Authority="AP Supplemental Category Code" Value="Figure Skating" Id="FIG"
  />
<apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:102" Value="Sports Photos" />
<apcm:Property Name="SequenceNumber" Value="InSequence" Id="1188231" />
<apcm:FirstCreated>2009-03-18T15:51:40Z</apcm:FirstCreated>
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:ManagementId>urn:publicid:ap.org:f7db680f94a9495cb982ea978328071d</apnm:ManagementId>
  <apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
  <apnm:PublishingStatus>Usable</apnm:PublishingStatus>
</apnm:NewsManagement>
</entry>

```

## Graphic Entry

The following example shows a feed entry for a graphic. The links to the caption, the main images in the Adobe Illustrator and PDF formats, the preview image and the thumbnail are highlighted in gray.

```

- <entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:00d8d9d1cf11444194768f4bf740961a</id>
  <title>HOUSING STARTS</title>
  <updated>2013-03-18T15:44:00.480Z</updated>
  <published>2013-03-18T15:43:58Z</published>
  <content type="text/plain" xml:lang="en-US">Chart shows monthly housing starts for the past 13 months; 1c x 2 5/8 inches;
    46.5 mm x 66.7 mm</content>
  - <link rel="enclosure" title="AP Caption"
    href="http://syndication.ap.org/AP.Distro.ContentBroker2/ContentBroker.aspx?media=text&recordid=00d8d9d1cf1144419476
    8f4bf740961a&authToken=eNoFw..." type="text/xml" length="95">
    <apcm:Characteristics ContentId="urn:publicid:ap.org:52faf7cb120941eabede1ac68b203234" FileExtension="xml"
      Format="NITF" MediaType="Graphic" MimeType="text/xml" Role="Caption" SizeInBytes="95"
      xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
  </link>
  - <link rel="enclosure" title="AP Graphic" href="http://syndication.ap.org/AP.Distro.ContentBroker2/
    ContentBroker.aspx?contentid=48683ab26b404c9eb52fd974475b5cea&fmt=AI&role=Main&reldt=2013-03-
    18T15:43:58&media=Graphic&recordid=00d8d9d1cf11444194768f4bf740961a&authToken=eNoFw..." length="262397"
    type="application/illustrator">
    <apcm:Characteristics IngestLink="True" ContentId="urn:publicid:ap.org:48683ab26b404c9eb52fd974475b5cea"
      FileExtension="AI" Format="AI" MediaType="Graphic" MimeType="application/illustrator" Role="Main"
      SizeInBytes="262397" Digest="42a20a99b4b959c40997f6619f5bb91e" OriginalFileName="HOUSING_STARTS_main.AI"
      HeightWidthRatio="SD" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
  </link>
  - <link rel="enclosure" title="AP Graphic" href="http://syndication.ap.org/AP.Distro.ContentBroker2/
    ContentBroker.aspx?contentid=48683ab26b404c9eb52fd974475b5cea&fmt=PDF&role=Main&reldt=2013-03-
    18T15:43:58&media=Graphic&recordid=00d8d9d1cf11444194768f4bf740961a&authToken=eNoFw..." length="262397"
    type="application/pdf">
    <apcm:Characteristics IngestLink="True" ContentId="urn:publicid:ap.org:48683ab26b404c9eb52fd974475b5cea"
      FileExtension="PDF" Format="PDF" MediaType="Graphic" MimeType="application/pdf" Role="Main" SizeInBytes="262397"
      Digest="8b61b4f2aa983c12eb5d6cad8807bf32" OriginalFileName="HOUSING_STARTS_main.PDF" HeightWidthRatio="SD"
      xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
  </link>
  - <link rel="enclosure" title="AP Preview Image" href="http://syndication.ap.org/AP.Distro.ContentBroker2/
    ContentBroker.aspx?contentid=be1634e2a6fa4e5d9f53ee0c7e59d9dbbd&fmt=jpg&role=Preview&reldt=2013-03-

```

```

18T15:43:58&media=Graphic&recordid=00d8d9d1cf11444194768f4bf740961a&authToken=eNoFw..." length="22310"
type="image/jpeg">
<apcm:Characteristics IngestLink="True" ContentId="urn:publicid:ap.org:be1634e2a6fa4e5d9f53ee0c7e59dbbd"
FileExtension="jpg" Format="JPEG Baseline" MediaType="Graphic" MimeType="image/jpeg" Role="Preview"
SizeInBytes="22310" Digest="a0bd573a8b5febe3510d1e0f6d5896b8" OriginalFileName="HOUSING_STARTS_preview.jpg"
Height="512" HeightWidthRatio="SD" Width="253" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Thumbnail Image" href="http://syndication.ap.org/AP.Distro.ContentBroker2/
ContentBroker.aspx?contentid=c6a81725e2b0407ea53e66bd0cee7fe5&fmt=jpg&role=Thumbnail&reldt=2013-03-
18T15:43:58&media=Graphic&recordid=00d8d9d1cf11444194768f4bf740961a&authToken=eNoFw..." length="2357"
type="image/jpeg">
<apcm:Characteristics IngestLink="True" ContentId="urn:publicid:ap.org:c6a81725e2b0407ea53e66bd0cee7fe5"
FileExtension="jpg" Format="JPEG Baseline" MediaType="Graphic" MimeType="image/jpeg" Role="Thumbnail"
SizeInBytes="2357" Digest="1adebdc84f4368ca7e925b9407e7bea7" OriginalFileName="HOUSING_STARTS_thumbnail.jpg"
Height="128" HeightWidthRatio="SD" Width="63" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
<apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
<apcm:ByLine Title="STAFF">Robyn Segal</apcm:ByLine>
<apcm:ByLine Title="Caption Writer">RS</apcm:ByLine>
<apcm:Credit>ASSOCIATED PRESS</apcm:Credit>
<apcm:HeadLine>HOUSING STARTS</apcm:HeadLine>
<apcm:OriginalHeadLine>HOUSING STARTS</apcm:OriginalHeadLine>
<apcm:OverLine>HOUSING STARTS</apcm:OverLine>
<apcm:Cycle>AP</apcm:Cycle>
<apcm:Selector>-----</apcm:Selector>
<apcm:SlugLine>HOUSING STARTS</apcm:SlugLine>
<apcm:MediaType>Graphic</apcm:MediaType>
- <apcm:EntityClassification Authority="AP Party" Value="RS">
<apcm:Property Id="11bc985a148d45a781e5bae4d40b1c11" Name="PartyType" Value="CAPTIONWRITER" />
</apcm:EntityClassification>
- <apcm:EntityClassification Authority="AP Party" Value="Robyn Segal">
<apcm:Property Id="111a147611e548de93ad20a387d49200" Name="PartyType" Value="PHOTOGRAPHER" />
</apcm:EntityClassification>
<apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="Finance & Business" Id="F" />
<apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:104" Value="Business Graphics" />
<apcm:Property Name="SequenceNumber" Value="InSequence" Id="1187402" />
<apcm:FirstCreated>2013-03-18T15:43:58Z</apcm:FirstCreated>
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
<apnm:ManagementId>urn:publicid:ap.org:a29a8030de0a463da001246976b638e4</apnm:ManagementId>
<apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
<apnm:PublishingStatus>Usable</apnm:PublishingStatus>
<apnm:PublishingSpecialInstructions>BC-Economy</apnm:PublishingSpecialInstructions>
</apnm:NewsManagement>
</entry>

```

## Audio Entry

The following example shows a feed entry for an audio item. The links to the audio files in various formats (such as MP3, MPG, RA and WAV) are highlighted in gray.

```

- <entry xmlns="http://www.w3.org/2005/Atom">
<id>urn:publicid:ap.org:27863be4889f47c1a1f725f67e1e3962</id>
<title>McCartney Divorce</title>
<updated>2008-03-18T15:27:07.557Z</updated>
<published>2008-03-18T15:27:00Z</published>
<content type="text/plain" xml:lang="en-US">Correspondent Peter Krause (KROW'-zuh) reports that the McCartney-Mills divorce
ruling is fair game for all to read.</content>
- <link rel="enclosure" title="AP Audio"
href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=1b6a0ac587cb420ba93cf2ac7834f
b35&fmt=MPG&role=Main&reldt=2008-03-18T00:11:32&media=Audio&recordid=
27863be4889f47c1a1f725f67e1e3962&authToken=eNoNw..." type="audio/Mpeg" length="118940">
<apcm:Characteristics ContentId="urn:publicid:ap.org:1b6a0ac587cb420ba93cf2ac7834fb35" FileExtension="MPG"
Format="MPEG" MediaType="Audio" MimeType="audio/Mpeg" OriginalFileName="200803181126-170.mp2" Resolution="16"
ResolutionUnits="bits" Role="Main" SampleRate="22050.000000" SizeInBytes="118940" TotalDuration="10"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Audio"

```

```

href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=f8c64e95ace8453fb39da04f8837fb75&fmt=MP3&role=Main&reldt=2008-03-18T00:11:32&media=Audio&recordid=27863be4889f47c1a1f725f67e1e3962&authToken=eNoNw..." type="audio/Mpeg" length="80485">
<apcm:Characteristics ContentId="urn:publicid:ap.org:f8c64e95ace8453fb39da04f8837fb75" FileExtension="MP3"
Format="MP3" MediaType="Audio" MimeType="audio/Mpeg" OriginalFileName="200803181126-170.mp3" Resolution="16"
ResolutionUnits="bits" Role="Main" SampleRate="22050.000000" SizeInBytes="80485" TotalDuration="10"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Audio"
href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=3e0da78b1a9948449076569f2c3c0436&fmt=RA&role=Main&reldt=2008-03-18T00:11:32&media=Audio&recordid=27863be4889f47c1a1f725f67e1e3962&authToken=eNoNw..." type="audio/x-pn-realaudio" length="67324">
<apcm:Characteristics ContentId="urn:publicid:ap.org:3e0da78b1a9948449076569f2c3c0436" FileExtension="RA"
Format="Real Audio" MediaType="Audio" MimeType="audio/x-pn-realaudio" OriginalFileName="200803181126-170.ra"
ResolutionUnits="bits" Role="Main" SampleRate="28000.000000" SizeInBytes="67324" TotalDuration="10"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Audio"
href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?contentid=be4049ef388f46a5b9783ebe5668d797&fmt=WAV&role=Main&reldt=2008-03-18T00:11:32&media=Audio&recordid=27863be4889f47c1a1f725f67e1e3962&authToken=eNoNw..." type="audio/Wav" length="79457">
<apcm:Characteristics ContentId="urn:publicid:ap.org:be4049ef388f46a5b9783ebe5668d797" FileExtension="WAV"
Format="Waveform Audio" MediaType="Audio" MimeType="audio/Wav" OriginalFileName="200803181126-170.wav"
Resolution="8" ResolutionUnits="bits" Role="Main" SampleRate="8000.000000" SizeInBytes="79457" TotalDuration="10"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
<apcm:DateLineLocation CountryArea="LONDON" />
<apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
<apcm:ByLine Title="Speaker">Peter Krause (KROW'-zuh), correspondent</apcm:ByLine>
<apcm:DateLine>LONDON</apcm:DateLine>
<apcm:HeadLine>Correspondent Peter Krause (KROW'-zuh) reports that the McCartney-Mills divorce ruling is fair game for all to read.</apcm:HeadLine>
<apcm:OriginalHeadLine>Correspondent Peter Krause (KROW'-zuh) reports that the McCartney-Mills divorce ruling is fair game for all to read.</apcm:OriginalHeadLine>
<apcm:Keywords>McCartney Divorce</apcm:Keywords>
<apcm:OutCue>four-year-old daughter</apcm:OutCue>
<apcm:SlugLine>McCartney Divorce</apcm:SlugLine>
<apcm:MediaType>Audio</apcm:MediaType>
<apcm:SubjectClassification System="Editorial"Authority="AP Category Code" Value="e" />
<apcm:SubjectClassification System="Editorial"Authority="AP Supplemental Category Code" Value="g" />
<apcm:SubjectClassification System="Editorial"Authority="AP Audio Category Code" Value="Entertainment" Id="e" />
<apcm:SubjectClassification System="Editorial"Authority="AP Audio Category Code" Value="eg" />
<apcm:SubjectClassification System="Editorial"Authority="AP Genre" Value="Question and answer session" Id="c" />
<apcm:SubjectClassification System="Editorial"Authority="AP Audio Cut Number Code" Value="170" />
<apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:105" Value="Entertainment Audio" />
<apcm:Property Name="SequenceNumber" Value="InSequence" Id="1185128" />
<apcm:FirstCreated>2008-03-18T15:27:00Z</apcm:FirstCreated>
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
<apnm:ManagementId>urn:publicid:ap.org:1d358e7c17134b23820e6ab6239204cc</apnm:ManagementId>
<apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
<apnm:PublishingStatus>Usable</apnm:PublishingStatus>
</apnm:NewsManagement>
</entry>

```

## Video Entry

The following example shows a feed entry for a video item. The links to the script, caption, thumbnails of different sizes, the preview image and video files in a variety of formats (for example, Flash and WMV at various bit rates and resolution) are highlighted in two shades of gray. The link type (for example, link to the caption, thumbnail or video) and the video format are shown in **green**.

```

- <entry xmlns="http://www.w3.org/2005/Atom">
<id>urn:publicid:ap.org:d5ebcfe8f53d4a569f0524a18c722c80</id>
<title>college_stress_poll</title>
<updated>2008-03-18T18:44:15.063Z</updated>
<published>2008-03-18T15:19:00Z</published>
<rights>Copyright 2008 The Associated Press</rights>

```

```

<content type="text/plain" xml:lang="en-US">[Notes: ANCHOR VOICE] [Notes: VO campus file of quad, ivy, campus of UCSF,
sign]BEYOND WELL-KEPT QUADS ... AND IVY-COVERED WALLS ... COLLEGE LIFE IS *FULL* OF STRESS. [Notes:0:13:27]SOT:
I'm just totally irritable, Less focused ... I do a lot poorer on my exams and my communication with people is not as positive
usually ...4 IN 10 STUDENTS SAY THEY HAVE ENDURED STRESS OFTEN IN RECENT MONTHS...</content>
- <link rel="enclosure" title="AP Caption"
href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx?media=text&recordid=d5ebcfe8f53d4a569f0
524a18c722c80&authToken=eNoFw..." type="text/xml">
<apcm:Characteristics ContentId="urn:publicid:ap.org:8d43bf29565b4e0cb2cc28d5eedae84" FileExtension="xml"
Format="NITF" MediaType="Video" MimeType="text/xml" Role="Caption" SizeInBytes="173"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Script" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx
?media=text&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoNw..." type="text/xml">
<apcm:Characteristics ContentId="urn:publicid:ap.org:5a28721c74c34046947e2867d0e9c64b" FileExtension="xml"
Format="NITF" MediaType="Video" MimeType="text/xml" Role="Script" SizeInBytes="63"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Thumbnail Image" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/
ContentBroker.aspx?contentid=628a64eba4a448a6beb75bbd5b9974ba&fmt=jpg&role=Thumbnail&reldt=2008-03-
18T15:19:00&media=Video&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="image/jpeg">
<apcm:Characteristics ContentId="urn:publicid:ap.org:628a64eba4a448a6beb75bbd5b9974ba" FileExtension="jpg"
Format="JPEG Baseline" Height="70" MediaType="Video" MimeType="image/jpeg"
OriginalFileName="0318dv_college_stress_poll_105x070.jpg" Role="Thumbnail" Width="105" SizeInBytes="2161"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Preview Image" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/
ContentBroker.aspx?contentid=aa3e2a63eeff4101b5d5e515cce70ede&fmt=jpg&role=Preview&reldt=2008-03-
18T15:19:00&media=Video&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="image/jpeg">
<apcm:Characteristics ContentId="urn:publicid:ap.org:aa3e2a63eeff4101b5d5e515cce70ede" FileExtension="jpg"
Format="JPEG Baseline" Height="300" MediaType="Video" MimeType="image/jpeg"
OriginalFileName="0318dv_college_stress_poll_400x300.jpg" Role="Preview" Width="400" SizeInBytes="14586"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
...
- <link rel="enclosure" title="AP Thumbnail Image" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/
ContentBroker.aspx?contentid=a00c82042a275a06aa0e6a7067008cb6&fmt=jpg&role=Thumbnail&reldt=2008-03-
18T15:19:00&media=Video&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="image/jpeg">
<apcm:Characteristics ContentId="urn:publicid:ap.org:628a64eba4a448a6beb75bbd5b9974ba" FileExtension="jpg"
Format="JPEG Baseline" Height="135" MediaType="Video" MimeType="image/jpeg"
OriginalFileName="0318dv_college_stress_poll_180x135.jpg" Role="Thumbnail" Width="180" SizeInBytes="4581"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Video" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx
?contentid=027a157abd864771b96bd8d83a7ea638&fmt=flv&role=Main&reldt=2008-03-18T15:19:00&media=Video
&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="application/flv" length="7284567">
<apcm:Characteristics AverageBitRate="416.000000"
ContentId="urn:publicid:ap.org:027a157abd864771b96bd8d83a7ea638" FileExtension="flv" Format="Flash Video"
FrameRate="20.000000" Height="360" MediaType="Video" MimeType="application/flv"
OriginalFileName="0318dv_college_stress_poll_x030a.flv" Role="Main" SampleRate="480.000000" SizeInBytes="7284567"
VideoCoder="Flash" LanguageDescription="Natsound" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
...
- <link rel="enclosure" title="AP Video" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx
?contentid=18758c11a54a4b65839bb7fff5b694e4&fmt=flv&role=Main&reldt=2008-03-18T15:19:00&media=Video
&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="application/flv" length="20785307">
<apcm:Characteristics AverageBitRate="1372.000000" ContentId="urn:publicid:ap.org:18758c11a54a4b65839bb7fff5b694e4"
FileExtension="flv" Format="Flash Video" FrameRate="30.000000" Height="480" MediaType="Video"
MimeType="application/flv" OriginalFileName="0318dv_college_stress_poll_x050a.flv" Role="Main"
SampleRate="1500.000000" SizeInBytes="20785307" VideoCoder="Flash" LanguageDescription="Natsound"
xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <link rel="enclosure" title="AP Video" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx
?contentid=d902a1ca22054b8692c8d747107ce6aa&fmt=wmv&role=Main&reldt=2008-03-18T15:19:00&media=Video
&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="video/x-ms-wmv" length="736743">
<apcm:Characteristics AverageBitRate="42.000000" ContentId="urn:publicid:ap.org:d902a1ca22054b8692c8d747107ce6aa"
FileExtension="wmv" Format="Windows Media" FrameRate="8.000000" Height="180" MediaType="Video"
MimeType="video/x-ms-wmv" OriginalFileName="0318dv_college_stress_poll_x010b.wmv" Role="Main"
SampleRate="50.000000" SizeInBytes="736743" VideoCoder="Microsoft Windows Media Video"
LanguageDescription="Natsound" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
...

```



```

- <link rel="enclosure" title="AP Video" href="http://syndication.ap.org/AP.Distro.ContentBrokerSite/ContentBroker.aspx
?contentid=bb7f8ddd60bf4334bf3e5ba0f2709e30&fmt=wmv&role=Main&reldt=2008-03-18T15:19:00&media=Video
&recordid=d5ebcfe8f53d4a569f0524a18c722c80&authToken=eNoFw..." type="video/x-ms-wmv" length="21454292">
  <apcm:Characteristics AverageBitRate="754.000000" ContentId="urn:publicid:ap.org:bb7f8ddd60bf4334bf3e5ba0f2709e30"
  FileExtension="wmv" Format="Windows Media" FrameRate="29.970000" Height="480" MediaType="Video"
  MimeType="video/x-ms-wmv" OriginalFileName="0318dv_college_stress_poll_x060c.wmv" Role="Main"
  SampleRate="850.000000" SizeInBytes="21454292" VideoCoder="Microsoft Windows Media Video"
  LanguageDescription="Natsound" xmlns:apcm="http://ap.org/schemas/03/2005/apcm" />
</link>
- <apcm:ContentMetadata xmlns:apcm="http://ap.org/schemas/03/2005/apcm">
  <apcm:ConsumerReady>TRUE</apcm:ConsumerReady>
  <apcm:DownstyleHeadLine>AP-MTVu Poll: Students majoring in stress</apcm:DownstyleHeadLine>
  <apcm:HeadLine>AP-MTVu Poll: Students Majoring in Stress</apcm:HeadLine>
  <apcm:OriginalHeadLine>AP-MTVu Poll: Students Majoring in Stress</apcm:OriginalHeadLine>
  <apcm:ContentElement>Package</apcm:ContentElement>
  <apcm:MediaType>Video</apcm:MediaType>
  <apcm:SubjectClassification System="Editorial" Authority="AP Category Code" Value="Domestic News" Id="A" />
  <apcm:SubjectClassification System="Machine" Authority="AP Subject" Value="Internet technologies"
  Id="70773e988b6b10048b30a385cd5ce603" />
  <apcm:SubjectClassification System="Machine" Authority="AP Subject" Value="Information and communication technologies"
  Id="29dfdd288b6b10048ff4bd945080b03e" />
  <apcm:SubjectClassification System="Machine" Authority="AP Subject" Value="Technology"
  Id="455ef2b87df7100483d8df092526b43e" />
  <apcm:SubjectClassification System="Machine" Authority="AP Subject" Value="Streaming media technologies"
  Id="5da228f88b6d10048734b5b842854103" />
  <apcm:SalesClassification Authority="AP Sales Code" Value="Premium" Id="EBFA4F188A0F10048A4ED56C852D093E" />
  <apcm:Property Name="EntitlementMatch" Id="urn:publicid:ap.org:product:106" Value="Domestic News Video" />
  <apcm:Property Name="SequenceNumber" Value="InSequence" Id="1188448" />
  <apcm:FirstCreated>2008-03-18T15:19:00Z</apcm:FirstCreated>
</apcm:ContentMetadata>
- <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
  <apnm:ManagementId>urn:publicid:ap.org:e3f84c9c2c1e4519a7343f3e04393665</apnm:ManagementId>
  <apnm:ManagementSequenceNumber>0</apnm:ManagementSequenceNumber>
  <apnm:PublishingStatus>Usable</apnm:PublishingStatus>
</apnm:NewsManagement>
</entry>

```

## Embargoed Article Entry

The publishing status of an embargoed article is highlighted in gray in the following example:

```

<entry xmlns="http://www.w3.org/2005/Atom">
  <id>urn:publicid:ap.org:753f9b39253940a6acd8d993fb3fdc4c</id>
  <title>Jobless-Benefits</title>
  <updated>2009-11-20T15:02:53.683Z</updated>
  <published>2009-11-20T08:12:06Z</published>
  ...
  <apnm:NewsManagement xmlns:apnm="http://ap.org/schemas/03/2005/apnm">
    <apnm:ManagementId>urn:publicid:ap.org:5c08ea18b6934f8d9e24265580f57257</apnm:ManagementId>
    ...
    <apnm:PublishingStatus statusChangeOn="2009-11-21T12:30:00Z">Embargoed</apnm:PublishingStatus>
  </apnm:NewsManagement>
</entry>

```

# THE ATOM SYNDICATION FORMAT

When the `format=6` parameter is specified in the feed request, the feed is delivered in the ATOM syndication format (<http://tools.ietf.org/html/rfc4287>), including the entry content and/or additional metadata in the hNews format (<http://microformats.org/wiki/hNews>).

The ATOM syndication feed delivered by WebFeeds contains:

1. The standard ATOM feed-level elements, including the feed title and request URI, the date and time when the feed was generated, the feed source, the unique feed ID and the feed copyright.
2. For each feed entry, the standard ATOM entry-level elements, including:
  - A. The item ID, entry title, the date and time when the entry was last updated and first published, the story summary (if available) as well as the entry categories containing AP classification metadata (topics, categories and subjects that describe the content and named people, organizations and places mentioned in the content).
  - B. The text story and/or additional metadata for the current entry in the hNews format, including the entry title, byline, caption, AP classification metadata and the copyright.
 

**Note:** The hNews stories delivered in the ATOM syndication feed (`format=6`) do not contain links to suggested media (for example, photos linked to a story). Links to suggested media are available in NITF stories delivered in the AP ATOM feed (`format=4`).
  - C. Links to all renditions of the content item (for example, the thumbnail, preview and high-resolution versions of a photo) and the canonical link to a full story in AP News Archive (if available). For more information, see “Canonical Links to AP News Archive” on page 24.

## Example: ATOM feed with a photo entry

1	<pre>- &lt;feed xmlns="http://www.w3.org/2005/Atom" &gt;   &lt;title&gt;Sample Photo Feed&lt;/title&gt;   &lt;link rel="self" type="application/atom+xml" href="http://syndication.ap.org/AP.Distro.Feed/GetFeed.aspx?idList=154&amp;idListType=products&amp;format=6&amp;maxItems=1"/&gt;   &lt;updated&gt;2012-08-14T17:53:47.537Z&lt;/updated&gt;   - &lt;author&gt;     &lt;name&gt;The Associated Press&lt;/name&gt;     &lt;uri&gt;http://www.ap.org&lt;/uri&gt;   &lt;/author&gt;   &lt;id&gt;urn:tag:ap.org,2012-07-20T15:06:57.596Z&lt;/id&gt;   &lt;rights&gt;Copyright 2012 The Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or redistributed.&lt;/rights&gt;</pre>
2 A	<pre>- &lt;entry&gt;   &lt;id&gt;urn:publicid:ap.org:af6eb8398a12469f932084bc83ae9ff5&lt;/id&gt;   &lt;title&gt;Greece Financial Crisis&lt;/title&gt;   &lt;updated&gt;2012-08-14T17:53:36.490Z&lt;/updated&gt;   &lt;published&gt;2012-08-14T17:53:03Z&lt;/published&gt;   &lt;category term="423aabbbf59849eda715caba12644e60" label="Financial crisis" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="4f7e0448857510048d0aff2260dd383e" label="Economy" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="c8e409f8858510048872ff2260dd383e" label="Business" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="60a31c1888f91004804d8503ef5018bd" label="Financial markets" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="6620e8187d5b100482d5c076b8e3055c" label="Greece" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="f5956db87efd100483d2df092526b43e" label="Athens" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="6618c9f87d5b10048200c076b8e3055c" label="Eastern Europe" scheme="http://cv.ap.org/id/" /&gt;   &lt;category term="661850e07d5b100481f4c076b8e3055c" label="Europe" scheme="http://cv.ap.org/id/" /&gt;</pre>
B	<pre>- &lt;content type="xhtml" xml:lang="en-US" &gt;   - &lt;div class="hnews hentry item" xmlns="http://www.w3.org/1999/xhtml" &gt;     - &lt;h4&gt;       &lt;span class="entry-title"&gt;Greece Financial Crisis&lt;/span&gt;     &lt;/h4&gt;   - &lt;div&gt;     - &lt;small&gt;</pre>



```

B
  by
    - <span class="author vcard">
      <a class="url fn" href="http://example.com/v1/Journalists.svc/Petros+Giannakouris">Petros
        Giannakouris</a>
    </span>
  ,
  - <span class="source-org vcard">
    <a class="url org fn" href="http://www.ap.org">Associated Press</a>
  </span>
  -
    <span class="updated dtstamp" title="2012-08-14T17:53:03Z">14 August 2012 13:53-04:00</span>
  </small>
</div>
- <div class="entry-content">
  <p>Tourists walk next to the ruins of the 5th century B.C. Temple of Poseidon at Cape Sounion, south of
  Athens, on Thursday, Aug. 14, 2012. Greece held its biggest debt sale since its economy imploded two years
  ago as it raised euro 4.06 billion ($5.01 billion) in short-term debt to pay off a bond due next week. (AP
  Photo/Petros Giannakouris)</p>
</div>
- <div>
  - <div class="categories">
    - <small>
      News Topics:
      <a href="http://example.com/v1/Tags.svc/Financial+crisis" rel="tag">Financial crisis</a>
      ,
      <a href="http://example.com/v1/Tags.svc/Economy" rel="tag">Economy</a>
      ,
      <a href="http://example.com/v1/Tags.svc/Business" rel="tag">Business</a>
      ,
      <a href="http://example.com/v1/Tags.svc/Financial+markets" rel="tag">Financial markets</a>
    </small>
  </div>
  <br />
  - <div class="entities">
    - <small>
      People, Places and Companies:
      <a href="http://example.com/v1/Tags.svc/Greece" rel="tag">Greece</a>
      ,
      <a href="http://example.com/v1/Tags.svc/Athens" rel="tag">Athens</a>
      ,
      <a href="http://example.com/v1/Tags.svc/Eastern+Europe" rel="tag">Eastern Europe</a>
      ,
      <a href="http://example.com/v1/Tags.svc/Europe" rel="tag">Europe</a>
    </small>
  </div>
</div>
- <small id="license-d30a586b-603d-4d63-b1d7-8de4f5e3d2bc">
  <a rel="item-license" href="#license-d30a586b-603d-4d63-b1d7-8de4f5e3d2bc">Copyright 2012 The
  Associated Press. All rights reserved. This material may not be published, broadcast, rewritten or
  redistributed.</a>
</small>
</div>
</content>
C
<link rel="enclosure" href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx?
contentid=5106bb3cd8e84116180f6a706700964c&fmt=jpg&role=Main&reldt=2012-08-14T17:53:03&
media=Photo&recordid=806e10d71fce4f7a800d054451ecaa20&akamaiAvailable=False&itemid=af6eb8398a12469f9
32084bc83ae9ff5&objfilename=versions/secured/main-v00.jpg&authToken=eNo..."/>
<link rel="enclosure" href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx?
contentid=51061ae1d8e84116180f6a7067001d31&fmt=jpg&role=Preview&reldt=2012-08-14T17:53:03&
media=Photo&recordid=806e10d71fce4f7a800d054451ecaa20&akamaiAvailable=False&itemid=af6eb8398a12469f9
32084bc83ae9ff5&objfilename=versions/preview-v00.jpg&authToken=eNo..."/>
<link rel="enclosure" href="http://syndication.ap.org/AP.Distro.ContentBroker/ContentBroker.aspx?
contentid=5106ed09d8e84116180f6a706700203d&fmt=jpg&role=Thumbnail&reldt=2012-08-14T17:53:03&
media=Photo&recordid=806e10d71fce4f7a800d054451ecaa20&akamaiAvailable=False&itemid=af6eb8398a12469f9
32084bc83ae9ff5&objfilename=versions/thumbnail-v00.jpg&authToken=eNo..."/>
</entry>
</feed>

```

# STORY FORMATS

## NITF

### About NITF

News Industry Text Format (NITF) uses XML to define the content and structure of news articles. NITF documents are far more searchable and useful than HTML pages. By using NITF, publishers can adapt the look, feel and interactivity of their documents to the bandwidth, devices and personalized needs of their subscribers. NITF supports identification and description of many news characteristics, including:

- Who owns the copyright to the item, who may republish it, and who it is about.
- What subjects, organizations and events it covers.
- When it was reported, issued and revised.
- Where it was written, where the action took place, and where it may be released.
- Why it is newsworthy, based on the editor's analysis of the metadata.


For complete NITF specifications, refer to the NITF website at <http://www.nitf.org>.

### NITF Definitions and Usage

NITF 3.4 documents delivered by WebFeeds do not contain the full set of AP metadata because it is included in the AP ATOM feed. NITF-formatted stories contain links to suggested media if this content is available and if you are authorized to view it.

NITF documents can contain the following standard XML tags:

XML TAG	DESCRIPTION
<?xml version="1.0" encoding="UTF-8"?>	The document type to be rendered.
<nitf>	Start of the NITF code.
<head>	Start of the <head> section.
<docdata>	Metadata container, or subset, for additional metadata information.
<doc.rights>	The holder of the publishing rights.
<doc.copyright>	The holder of the copyright.
</docdata> and </head>	End of the <docdata> and the <head> sections.
<body>	Begin the content portion of document.
<body.head>	Metadata intended to be displayed to the reader.
<hedline>	Container for headlines and sub-headlines.
<h1 id="headline"> ... </h1>	Headline 1. Main headline; may include content versioning information.
<h2 id="originalHeadline"> ... </h2>	Headline 2. Original headline, which is appropriate for publishing to an audience.
</hedline>	End of the headlines section.
<byline> and <byttl>	Container for byline and byline title information. For more information about bylines delivered by WebFeeds, see "About Bylines" on page 23.
<distributor> ... </distributor>	Indicates the distributor of information.
<dateline> and <location>	The dateline section, which contains the location of the story.
<abstract>	<i>(If available)</i> The story summary.

XML TAG	DESCRIPTION
</body.head>	End of the <body.head> section.
<body.content>	Actual body content.
<media>	Start of the media references section.
<media class="inline:reference">	<i>(For inline references only)</i> Start of the inline reference section that contains a reference to a photo at the content provider's website.
<media-metadata name="id">	The revision ID of the suggested content.
<media-metadata name="managementId">	The Management ID, which uniquely identifies the entire chain of revisions to the suggested content.
<media-metadata name="FriendlyKey">	<i>(For photos only)</i> A unique ID for easier photo identification.
<media-metadata name="TransRef">	<i>(For photos only)</i> Transmission reference.
<media-caption> ... </media-caption>	Suggested media caption.
<media-metadata name="OriginalFileName">	The name of the original file containing suggested content.
<media-metadata name="Format">	The format of the suggested media.
<media-metadata name="Role">	The role of the suggested media; for example, Thumbnail, Preview and Main.
<media-reference>	Link to suggested media. <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">  <b>Note:</b> If a file extension is not available, the default file extension .BIN is used in the coding attribute. </div>
<media-producer> ... </media-producer>	Indicates the producer of the suggested content.
</media>	End of the media references section.
<block> ... </block>	Contains a group of body text.
</body.content>, </body> and </nif>	Closed <body.content>, <body > and <nif> tags.

## NITF Examples

### Example 1: NITF Document

This example shows an NITF document referenced in the AP ATOM feed. The <media> element containing the suggested photo reference is shown in gray. The <media> sub-elements containing the photo caption and the links to its main, preview and thumbnail versions are shown in Example 2.

```
<?xml version="1.0" encoding="utf-8" ?>
- <nitf version="-//IPTC//DTD NITF 3.4//EN" change.date="October 18, 2006" change.time="19:30">
- <head>
- <docdata>
  <doc-id regsrc="AP" />
  <date.issue norm="20110207T160212Z" />
  <ed-msg info="Eds: APNewsNow. This story is part of AP's financial, entertainment and sports services. For global distribution." />
  <doc.rights owner="http://www.ap.org" agent="http://license.icopyright.net" type="none" />
  <doc.copyright holder="AP" year="2011" />
</docdata>
</head>
- <body>
- <body.head>
- <headline>
  <hl1 id="headline">Super Bowl sets viewership record</hl1>
  <hl2 id="originalHeadline">Super Bowl sets viewership record</hl2>
</headline>
- <byline>
  By DAVID BAUDER
  <byttl>AP Television Writer</byttl>
</byline>
  <distributor>The Associated Press</distributor>
```

```

- <dateline>
  <location>NEW YORK</location>
</dateline>
</body.head>
- <body.content>
+ <media id="media:a93327b3570a48e1b019ae32bd8fcf8a" media-type="Photo">
- <block id="Main">
  <p>NEW YORK (AP) — For the second year in a row, the Super Bowl — the National Football League's championship
  game — has set a new record for American television viewing.</p>
  ..
</block>
</body.content>
<body.end />
</body>
</nitf>

```

## Example 2: Suggested Media Reference in NITF

The following example shows the suggested photo reference components:

1. Metadata that applies to all versions of the photo, including the revision ID, friendly key and transmission reference.
2. The photo caption.
3. The link to the main photo, along with its original filename, format and role (“Main”).
4. The link to the preview image, along with its original filename, format and role (“Preview”).
5. The link to the thumbnail, with its original filename, format and role (“Thumbnail”).
6. The media producer.

1	<pre> - &lt;media id="media:a93327b3570a48e1b019ae32bd8fcf8a" media-type="Photo"&gt;   &lt;media-metadata id="media-id:a93327b3570a48e1b019ae32bd8fcf8a" name="id"   value="urn:publicid:ap.org:a93327b3570a48e1b019ae32bd8fcf8a" /&gt;   &lt;media-metadata id="media-managementId:a93327b3570a48e1b019ae32bd8fcf8a" name="managementId"   value="urn:publicid:ap.org:a93327b3570a48e1b019ae32bd8fcf8a" /&gt;   &lt;media-metadata id="media-friendlyKey:a93327b3570a48e1b019ae32bd8fcf8a" name="FriendlyKey"   value="110206037118" /&gt;   &lt;media-metadata id="media-transRef:a93327b3570a48e1b019ae32bd8fcf8a" name="TransRef" value="WIKEN101" /&gt; </pre>
2	<pre> - &lt;media-caption id="media-caption:a93327b3570a48e1b019ae32bd8fcf8a"&gt;   &lt;p&gt;In a Feb. 6, 2011 photo, Packer fans cheer while watching the game at a Super Bowl party in Kenosha, Wis. (AP   Photo/Kenosha News, Sean Krajacic)&lt;/p&gt; &lt;/media-caption&gt; </pre>
3	<pre> &lt;media-metadata id="media-metadata-OriginalFileName:ebfdd90511b93503e40e6a70670004ad" name="OriginalFileName" value="Super Bowl.JPEG" /&gt; &lt;media-metadata id="media-metadata-Format:ebfdd90511b93503e40e6a70670004ad" name="Format" value="JPEG Baseline" /&gt; &lt;media-metadata id="media-metadata-Role:ebfdd90511b93503e40e6a70670004ad" name="Role" value="Main" /&gt; &lt;media-metadata id="media-metadata-IngestLink:ebfdd90511b93503e40e6a70670004ad" name="IngestLink" value="True" /&gt; </pre>
3	<pre> &lt;media-reference id="media-reference:ebfdd90511b93503e40e6a70670004ad" mime-type="image/jpeg" name="AP Photo" source="http://eapcontent.ap.org/Stage/jpg/2011/20110207/13/ebfdd90511b9350 3e40e6a70670004ad.jpg?contentid=ebfdd90511b93503e40e6a70670004ad/fmt=jpg/role=Main/reldt=2011-02- 07T13:44:56/media=Photo/recordid=a93327b3570a48e1b019ae32bd8fcf8a/authToken =eNoNy...&amp;token=1297374606_929A1..." height="2808" width="3376" coding="jpg" /&gt; </pre>
4	<pre> &lt;media-metadata id="media-metadata-OriginalFileName:1fee656411ba3503e40e6a7067006f95" name="OriginalFileName" value="Super Bowl.JPEG" /&gt; &lt;media-metadata id="media-metadata-Format:1fee656411ba3503e40e6a7067006f95" name="Format" value="JPEG Baseline" /&gt; &lt;media-metadata id="media-metadata-Role:1fee656411ba3503e40e6a7067006f95" name="Role" value="Preview" /&gt; &lt;media-metadata id="media-metadata-IngestLink:1fee656411ba3503e40e6a7067006f95" name="IngestLink" value="True" /&gt; &lt;media-reference id="media-reference:1fee656411ba3503e40e6a7067006f95" mime-type="image/jpeg" name="AP Preview Image" source="http://eapcontent.ap.org/Stage/jpg/2011/20110207/13/ 1fee656411ba3503e40e6a7067006f95.jpg?contentid=1fee656411ba3503e40e6a7067006f95/fmt=jpg/ role=Preview/reldt=2011-02-07T13:44:56/media=Photo/recordid=a93327b3570a48e1b019ae32bd 8fcf8a/authToken=eNoNy...&amp;token=1297374606_920AD..." height="425" width="512" coding="jpg" /&gt; </pre>

5	<pre> &lt;media-metadata id="media-metadata-OriginalFileName:e452735511b93503e40e6a706700c057" name="OriginalFileName" value="Super Bowl.JPEG" /&gt; &lt;media-metadata id="media-metadata-Format:e452735511b93503e40e6a706700c057" name="Format" value="JPEG Baseline" /&gt; &lt;media-metadata id="media-metadata-Role:e452735511b93503e40e6a706700c057" name="Role" value="Thumbnail" /&gt; &lt;media-metadata id="media-metadata-IngestLink:e452735511b93503e40e6a706700c057" name="IngestLink" value="True" /&gt; &lt;media-reference id="media-reference:e452735511b93503e40e6a706700c057" mime-type="image/jpeg" name="AP Thumbnail Image" source="http://eapcontent.ap.org/Stage/jpg/2011/20110207/13/e452 735511b93503e40e6a706700c057.jpg?contentid=e452735511b93503e40e6a706700c057/fmt=jpg/ role=Thumbnail/reldt=2011-02-07T13:44:56/media=Photo/recordid=a93327b3570a48e1b019ae32b d8fcf8a/authToken=eNoFw... &amp;token=1297374606_7C036..." height="106" width="128" coding="jpg" /&gt; </pre>
6	<pre> &lt;media-producer id="media-producer:a93327b3570a48e1b019ae32bd8fcf8a"&gt;The Associated Press&lt;/media-producer&gt; &lt;/media&gt; </pre>

### Example 3: Inline Links in NITF

If the `showInlineLinks=true` parameter is specified in a feed request, the body text of the NITF-formatted story contains inline links, if available; for example:

```

- <block id="Main">
  <p>DARWIN, Australia (AP) _ An environmental group said Tuesday it had captured a "monster" toad the size of a small dog.</p>
  <p>With a body the size of a football and weighing nearly 2 pounds, the toad is among the largest specimens ever captured in
  Australia, according to <a href="www.frogwatch.org.au">Frogwatch</a> coordinator Graeme Sawyer.</p>
  ...
</block>

```

### Example 4: Inline Reference to a Photo

The following example shows an inline reference to a photo at the content provider's website:

```

- <media media-type="image" class="inline:reference">
  <media-reference mime-type="image/jpeg"
  source="http://mms.businesswire.com/bwapps/mediaserver/ViewMedia?mgid=282599&vid=4" />
</media>

```



**Important:** It is strongly recommended to preserve inline references when displaying stories on your website.

### Example 5: Link to an Interactive in NITF

If you are entitled to interactives, links to them are available as `<iframe>` tags in the NITF body text. Since these tags are not compliant with the NITF standard and have to be escaped as CDATA, interactives cannot be played directly from NITF.

```

- <body.content>
  - <block id="Caption">
    <p>Interactive shows state laws regarding marijuana and a timeline on NFL's drug policy</p>
  </block>
  - <block id="Main">
    - <p>
      - <![CDATA[
        <iframe src="http://hosted.ap.org/interactives/2014/nfl-marijuana/?SITE=[YOUR_SITE_ID]" class="ap-
        embed" width="800" height="700" style="border: 1px solid #eee;">

        Your browser does not support the iframe HTML tag.
        Try viewing this in a modern browser like Chrome, Safari, Firefox or Internet Explorer 9 or later.
        </iframe>
      ]]>
    </p>
  </block>
</body.content>
<body.end />
</body>

```

## HNEWS

hNews is a microformat for news on the Web. It extends the hATOM microformat with several fields specific to news. For more information, visit <http://microformats.org/wiki/hNews>.

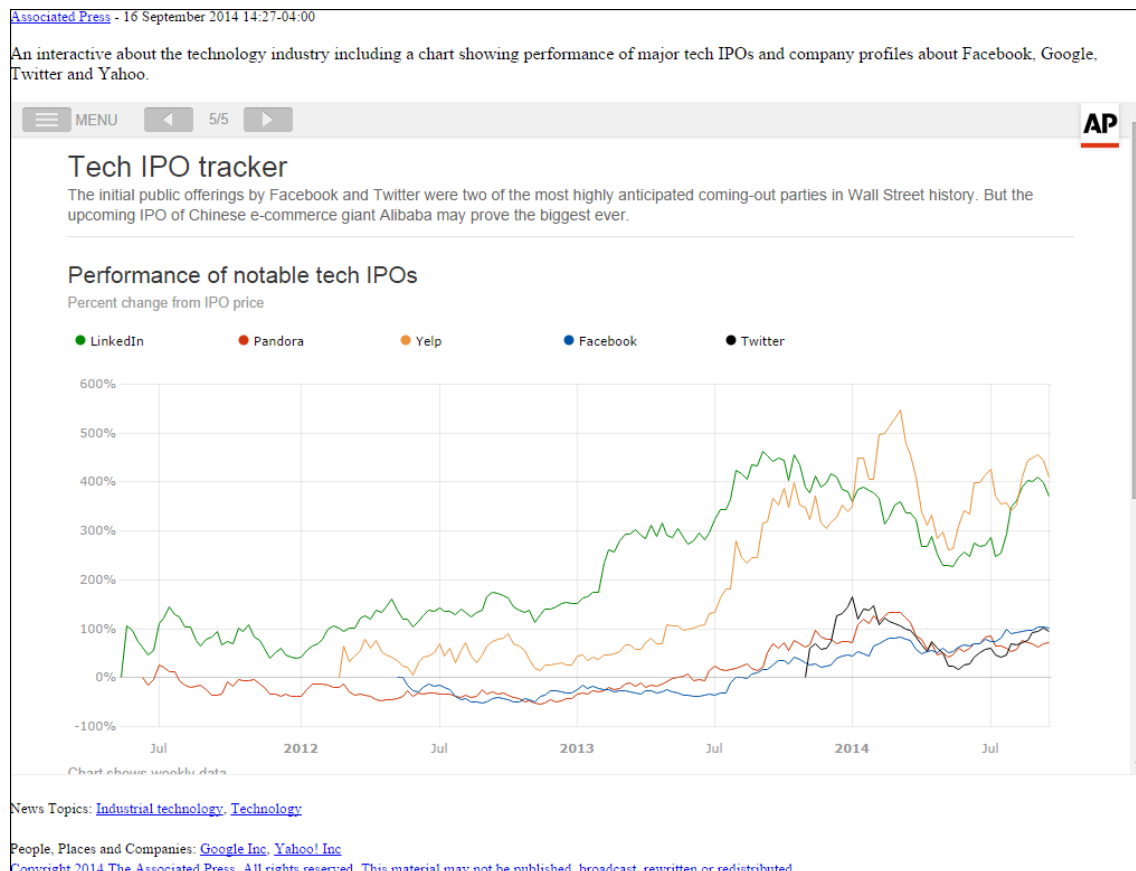
**To receive stories in the hNews format:**

Use one of the following parameters in the feed request:

- The `showHNewsLinks=true` parameter to receive AP ATOM feeds with links to hNews-formatted stories.
- The `fullContent=hnews` parameter to include hNews-formatted stories in the AP ATOM feed.

For more information, see “Feed Request” on page 7.

If you are entitled to interactives, links to them are available in hNews as `<iframe>` tags and may be played directly from hNews in supported browsers; for example:

**ANPA**

ANPA is a traditional wire transmission text format. For more information, see *AP WebFeeds ANPA Delivery Reference Guide*.



**Important:** ANPA files contain special control characters and must be saved as raw bytes. Do not open and save these files in a text editor because the control characters may be altered.

**To receive stories in the ANPA format:**

Use one of the following parameters in the feed request:

- The `showAnpaLinks=true` parameter to receive AP ATOM feeds with links to ANPA-formatted stories.
- The `fullContent=anpa` parameter to include ANPA-formatted stories in the AP ATOM feed. The ANPA story body is returned in the feed’s `<content>` tag and is encoded as a BASE-64 string of binary bytes.



**Note:** To receive all filings of a story, use the `showAllFilings=true` parameter in addition to one of the above parameters.

For more information, see “Feed Request” on page 7 and “Links to ANPA and IPTC in AP ATOM” on page 43.



## IPTC 7901

IPTC 7901 is a traditional news service text markup specification developed by the International Press Telecommunications Council. For more information, visit <http://www.iptc.org>.

### To receive stories in the IPTC 7901 format:

Use one of the following parameters in the feed request:

- The showIptcLinks=true parameter to receive AP ATOM feeds with links to IPTC-formatted stories.
- The fullContent=iptc parameter to include IPTC-formatted stories in the AP ATOM feed. The IPTC story body is returned in the feed's <content> tag and is encoded as a BASE-64 string of binary bytes.



**Note:** To receive all filings of a story, use the showAllFilings=true parameter in addition to one of the above parameters.

For more information, see “Feed Request” on page 7 and “Links to ANPA and IPTC in AP ATOM” on page 43.

### Example: A Story in IPTC Format

```
AP2497 4 fxx 141 f2497 ;EN;x;O;00000000;
^BC-APFN-US--Ark Stimulus, 0141<
```

```
^Ark. launches iPhone application on stimulus cash<
  LITTLE ROCK, Ark. (AP) - Information on Arkansas' share of federal stimulus dollars is coming to an iPhone near you.
  State officials on Wednesday launched a free application for users of Apple's iPhone that will allow them to track the state's
  $2.9 billion that it's expected to receive in federal stimulus funds. The application, which state officials say is the first state
  government application in the country allowing users to track stimulus dollars, is available through the iTunes store under
  the name "Arkansas.gov Recovery Project Search."
  The application allows users to search projects by keyword or by city or county name. It also includes a "near me" feature
  that allows users to find projects located near them by using the iPhone's Global Positioning System.
```

```
-----061904 GMT May 0914
```

 **Important:** IPTC 7901 files contain special control characters and must be saved as raw bytes. Do not open and save these files in a text editor because the control characters may be altered.



## GLOSSARY

<b>ANPA</b>	A traditional wire transmission text format. The acronym stands for Associated Newspaper Publisher's Association that is now known as the Newspaper Association of America.
<b>AP ATOM</b>	The default format for <i>AP WebFeeds</i> delivery. AP ATOM is the ATOM 1.0 format with additional proprietary metadata inserted by the AP and embedded links to stories or media files (images, audio and video). The AP ATOM feed may also include external links to AP or third-party websites.
<b>AP Exchange</b>	A Web-based application that enables users to view, search and select a variety of news <i>content</i> on one screen.
<b>AP Top Headlines</b>	Collections of AP's top news stories, which are filed by AP editors multiple times during the day, many times with the same stories.
<b>AP WebFeeds</b>	An AP system that delivers news <i>content</i> via an HTTP feed for ingestion by the customers' production systems.
<b>Content</b>	Text, photos, graphics, audio and video for news stories.
<b>Feed</b>	An XML document that consists of items known as 'entries' where each entry contains metadata that describes the entry content and links to the content files.
<b>hNews</b>	A microformat that is based on XHTML elements.
<b>IPTC</b>	International Press Telecommunications Council. IPTC 7901 is a traditional news service text markup specification developed by IPTC.
<b>Main Image</b>	The high-resolution version of an image.
<b>Marketplace</b>	An <i>AP Exchange</i> feature that allows AP members to share news content freely (currently, text, photos and graphics) with other AP members in their state or nationwide.
<b>Metadata</b>	Information that describes news <i>content</i> ; for example, the story byline, category and media type.
<b>NITF</b>	News Industry Text Format. An XML-compliant markup language for news copy, press releases, wire services, newspapers, broadcasters and Web-based news organizations.
<b>Preview Image</b>	The low-resolution version of an image.
<b>Product</b>	A standard AP news service or report, which is defined by a name, a product ID number and a description; for example, AP Online National News.
<b>Saved Search</b>	A set of search criteria saved for reuse at a later time.
<b>Suggested Media</b>	Photos, graphics, audio and video that are linked to a news story by an AP editorial staff member.
<b>Thumbnail</b>	The small version of an image.