DOW JONES

Dow Jones Newswires Text News Feed
DJNML Format
Integration Guide

Release 2.0
October 6, 2014

Copyright © 2014
Dow Jones & Company, Inc.

TABLE OF CONTENTS

1 Introduction

Dow Jones uses a variety of formats to deliver content to clients. The format described in this document is referred to as DJNML which is Dow Jones standard XML format. DJNML facilitates the transmission of headline, metadata and story text in a single payload.

Messages include *News* messages and *Administrative* messages.

News messages are "new" news reports. *Administrative messages* can contain different types of administrative tasks including modifications to news stories, delete news stories and system messages.

News messages contain *MetaData* in addition to the headline and text of the story. *MetaData* is index information that must be used to classify a message.   Examples of MetaData include news source, publication date and time, display date and time and indicators such as "hot". *MetaData* provides many classifications of Category codes including company, industry, government, market sector, geographic region, page and subject codes.   *Metadata* also includes information that enables systems to chain stories together.

This specification contains the information required by a feed recipient to design a system for the reception, storage and retrieval of information on this news feed. This information includes the communications protocols and the message formats. Also includes the responsibilities of feed recipients and the restrictions on modification of the news content. Administrative duties and the requirements for database update and maintenance are also specified.

Feed Recipient should refer to the DJNML DTD document in ***Appendix D*** for XML validation.

2 Message Content

This section provides a description of information that may be found in a Message. It also outlines the content of each type of message. Following message types are defined:

Message Type	Description
News	A "new" news story.
Administrative	Instructions to modify or delete an existing story, system messages, and retransmission messages.

a. Message beginning and ending tags:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">


...

</djnml>
</doc>
```

> **NOTE** Encoding may vary for some Non-English content.

> **NOTE** Messages that do not start and end with above tags should be treated as an incomplete message and should be discarded.

b. Root elements included in all messages:

```
<doc msize="000004221" md5="d1723aa4b507d68f5ee9784415519b6f"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T123013Z" >
```

attribute	definition
msize="000004221"	The size in bytes between the **djnml** tags (inclusive). The MD5 hash value is calculated for this content.
md5="d1723aa4b507d68f5ee9784415519b6f" sysId="sbknwsdcmn2p1"	MD5 (Message-Digest Algorithm) hash value used to check data integrity.
sysId="sbknwsdcmn2p1"	Dow Jones Distribution Server ID.
destination="AW"	The destination address identifies the feed recipients to whom a given message is addressed. A transmission being sent to all sites would have the destination address "AW". For retransmission, the destination address would have the 4 character Distributor ID that is intended to identify a particular receiver.
distId="AMD6"	Unique 4 character Dow Jones Distribution Feed ID assigned for this receiver.
transmission-date="20140612T123013Z"	Date (YYYYMMDD) and time (hhmmss) this message was received by Feed Recipient. "Z" indicates the time is in GMT. Time is in 24 hour format.

```
<djnml publisher="DJN" docdate="20140612" product="DN" seq="4544"
xml:lang="en-us" >
```

attribute	definition
Publisher="DJN"	Publisher of this article, "DJN".
docdate="20140612"	Publish date of this article in YYYYMMDD format
product="DN"	Product ID where this article was carried, i.e. "DN"
seq="4544"	A unique message sequence number that identifies this article. Message sequence number starts each day with "1" for each product and increments by 1untill the last message of the day.
xml:lang="en-us"	language

2.1 Message Types and Their Content

2.1.1 News Message

A News message contains a news story with its associated *MetaData*. A news message contains headline, metadata and story text. Some news message may contain headline and metadata, but no story text.

All News messages contain elements `<head>` and `<body>.`

`<head>` element contains `<copyright>` and `<djn-newswires>` elements which includes Metadata. `<body>` element contains headline and story text.

Detailed breakdown of the <head> element:

```
<copyright year="2014" holder="Dow Jones &amp; Company, Inc." ></copyright>
```

attributes	definition
year="2014"	If this tag is present in the news messages, the copyright information must be integrated into the story text when displaying the news. Some third party content may not include copyright tag.
holder="Dow Jones & Company, Inc."	Dow Jones & Company, Inc.

```
<djn-newswires news-source="DJDN" origin="DJ" service-id="CO" >
```

attributes	definition
news-source="DJDN"	This is 4 character News Source where this article is published. (Appendix C)
origin="DJ"	The article origin is always "DJ"
service-id="CO"	Currently, there are 2 service classes. "CO" for all News and Admin messages except for the retransmissions. "RS" is assigned for retransmission messages.

\<djn-press-cutout\>

attributes	definition
djn-press-cutout	Used by DJ internal

\<djn-urgency\>

attributes	definition
djn-urgency	Defaults to 0.

\<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="Y" original-source="FW" accession-number="20140612004516" page-citation="" display-date="20140612T1230Z" \>

attributes	definition
Brand="DJ"	DJ Branding
temp-perm="P"	If value="P", this article is permanent and should be kept in the database until it reaches its appropriate retention period. If value="T", this news message is a temporary article. Temporary articles should be purged after 2 business days.
retention="N"	If value = "N", this article may be retained in the database for normal retention period of 400 days.
hot="Y"	If value="Y", this article is deemed "important" or "timely" in some way.
original-source="FW"	Specifies the original source where this story was published.
accession-number="20140612004516"	Accession number is a 14 byte numeric number consists of date (YYYYMMDD) & message sequence number (ssssss). Accession number is used for constructing story "chaining" for multiple take stories.
Page-citation=""	This attribute contains page number of the print publication where this article ran, such as The Wall Street Journal or Barron's.
display-date="20140612T1230Z"	This attribute contains the display date and time to be used when this headline is displayed. Time is in GMT 24 hour format (hhmm) and can be converted to the local time.

\<djn-coding\> . . . \</djn-coding\>

\<djn-coding\>	definition
\<djn-company\>	Contains company symbol(s) relevant to this story.
\<djn-company-sig\>	If this option is turned on, it contains company symbol(s) significant to this story.
\<djn-isin\>	Contains ISIN code(s).
\<djn-isin-sig\>	If this option is turned on, it contains ISIN code(s) that are significant to this story.
\<djn-industry\>	Contains Dow Jones Category code classification for Industry (I/).
\<djn-government\>	Contains Dow Jones Category code classification for Government (G/).
\<djn-page\>	Contains Dow Jones Category code classification for Page/Numeric.
\<djn-subject\>	Contains Dow Jones Category code classification for Subject (N/).
\<djn-market\>	Contains Dow Jones Category code classification for Market Sector (M/).
\<djn-product\>	Contains Dow Jones Category code classification for Product/Services (P/).

`<djn-geo>`	Contains Dow Jones Category code classification for Region (R/).
`<djn-stat>`	Contains Dow Jones Category code classification for Statistical (S/).
`<djn-journal>`	Contains Dow Jones Category code classification for Wall Street Journal (J/).

2.1.2 Administrative Message

An administrative message can contain various types of messages. An administrative message can include command messages that require an action to be performed upon receipt that includes modification or delete messages. Administrative message also includes System messages such as good-day message and Keep-Alive messages. Administration message can also contain retransmission of news messages.

All Administration messages are contained within element **`<administration>`** ... **`</administration>.`**

Administrative Message Types:

Types of Administrative Messages	Description
`<doc-modify>`	This is a command message to "Replace" one or more component of a previously sent News message. A replacement component consists of one or combination of Headline, StoryText or MetaData. Message example can be found <doc-modify>
`<doc-delete>`	This is a command message to "Delete/Purge" a previously received News message. Message example can be found <doc-delete>
`<good-day>`	This is a System Message that publishes each day at the beginning and end of the day for each product. Message example can be found <good-day>
`<doc-retransmission>`	This is a retransmitted News message, not 'new' News. Retransmission is available upon request. Message example can be found <doc-retransmission>
`<line-check>`	This is a keep-Alive message. Keep-Alive messages can be added upon request. Message example can be found <line-check>

2.1.2.1   <doc-modify>

<modify-replace>	Action required
`xpath="djnml/head/docdata/djn/djn-newswires/djn-mdata"`	Replace Metadata
`xpath="djnml/body/headline"`	Replace Headline
`xpath="djnml/body/text"`	Replace StoryText
`xpath="djnml/head/docdata/djn/djn-newswires/djn-press-cutout"`	Reserved – no action required
`xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency"`	Reserved – no action required

NOTE a. Command messages may contain one or more **<modify-replace>** tag.

b. Command messages can be sent to modify news messages published from previous days.

c. Feed recipients should ignore the command messages that reference a News message(s) that may have been blocked on their feed because it did not match their entitlement.

2.1.2.2 <doc-delete>

<doc-delete>	Action required	Reason
reason="purge"	Purge from Database	Editorial has issued delete
reason="expire"	Purge from Database	Story has reached its retention period.
reason="not-available"	Purge from Database	Feed recipient is not entitled to receive this story per entitlement.

2.1.2.3 <good-day>

Dow Jones transmits "good-day" system messages at the start and at the end of the business day for each product.

<good-day>	Message type
type="morning"	First message of the day
type="evening"	Last message of the day

2.1.2.4 <doc-retransmission>

Depending on the delivery method used, retransmissions of messages may or may not be available. To request a retransmission, client is required to actually place a phone call to Dow Jones Operations or contact via e-mail.

a. Requesting a Retransmision

Feed recipient can request retransmission by contacting the Dow Jones Global Operations by phone - +1 609-520-7677 (Select Option #1) or by email at EOC.TEAM@dowjones.com.

Required information for retransmission:
- Distributor ID (for example, "DJP1")
- Product ID of the message (for example, "DN")
- Message number of the first message to be retransmitted
- Message number of the last message to be retransmitted

Retransmission of several *consecutive* messages may be requested in a single request. However, separate requests must be made for the retransmission of non-consecutive messages.

b. Format

A retransmission has the same format and content as the original message, except for the following:

- The Destination Address of a retransmission is the address of the receiver who requested the retransmission.
- The `service-id` of a retransmission is 'RS'.

c. Delivery: Priority and Addressing

Requests are queued on a "to be retransmitted" list and retransmissions are made during available line time, i.e., when no other message is being sent or is queued to be sent. Normal transmissions have priority over retransmissions. Retransmission requests are honored on a first-in-first-out basis.

Retransmission may be sent on a wire after the "Good Evening" message for that wire has been sent.

The "to be retransmitted" list for each wire is cleared when the "Good Morning" message is sent. If a Receiver has not received a requested retransmission before the next "Good Morning" message on that wire, it is necessary to submit a new request for any outstanding messages.

A message is considered to be "one day old" when the "Good Morning" message is sent.

The Destination Address specified in a retransmission includes only the Receiver that requested the message.
Other Receivers may receive this message, depending on their mode of delivery, but should disregard it.

d. Limitations

Retransmissions are limited to the following:

- News items that reside in the database of the Dow Jones host.
- All admin messages - Expiration, Command and System messages are available only for the current transmission day.

No admin messages, such as expiration notices, command messages, or system messages from previous days will be retransmitted, because they are no longer in the Host database. This should not cause inconvenience to a Receiver, because retransmitted News messages contain the most recent version of the story.

2.1.2.5   <line-check>

This is keep-alive message. Keep-alive messages carry product id "AD" and can be added to client's feed upon request. It can be configured between the interval of 1 and 255   seconds. Each message will be seq "0". Keep-alive messages keeps the connection from timeout during the idle time.

3   Message Examples

3.1 News Message

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000004221" md5="d1723aa4b507d68f5ee9784415519b6f"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T123013Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="4544"
xml:lang="en-us" >
<head>
<copyright year="2014" holder="Dow Jones &amp; Company, Inc." ></copyright>
<docdata>
<djn>
<djn-newswires news-source="DJDN" origin="DJ" service-id="CO" >
<djn-press-cutout/>
<djn-urgency>0</djn-urgency>
<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="Y" original-
source="FW" accession-number="20140612004516" page-citation="" display-
date="20140612T1230Z" >
<djn-coding>
<djn-company>
<c>DJDAY</c>
</djn-company>
<djn-government>
<c>G/LBR</c>
<c>G/USG</c>
</djn-government>
<djn-page>
<c>1176</c>
<c>4015</c>
</djn-page>
<djn-subject>
<c>N/AER</c>
<c>N/BKG</c>
<c>N/CMDI</c>
<c>N/CMR</c>
<c>N/DJAE</c>
<c>N/DJCS</c>
<c>N/DJEN</c>
<c>N/DJG</c>
<c>N/DJG7</c>
<c>N/DJGP</c>
<c>N/DJGS</c>
<c>N/DJGV</c>
<c>N/DJI</c>
<c>N/DJIB</c>
<c>N/DJIV</c>
<c>N/DJMS</c>
<c>N/DJN</c>
<c>N/DJOS</c>
<c>N/DJPF</c>
```

```
<c>N/DJRT</c>
<c>N/DN</c>
<c>N/DOI</c>
<c>N/ECR</c>
<c>N/EMR</c>
<c>N/EWR</c>
<c>N/FNVW</c>
<c>N/FXW</c>
<c>N/IPR</c>
<c>N/MADN</c>
<c>N/NRG</c>
<c>N/OSAG</c>
<c>N/OSCM</c>
<c>N/OSME</c>
<c>N/OSTR</c>
<c>N/UKMR</c>
<c>N/WED</c>
<c>N/WER</c>
<c>N/APIN</c>
<c>N/DDY</c>
<c>N/DJFN</c>
<c>N/DJWI</c>
<c>N/ECO</c>
<c>N/EMI</c>
<c>N/EMJ</c>
<c>N/FXTR</c>
<c>N/GENI</c>
<c>N/HOT</c>
<c>N/LAB</c>
<c>N/LTAM</c>
<c>N/TNW</c>
<c>N/TSY</c>
</djn-subject>
<djn-market>
<c>M/NND</c>
<c>M/USD</c>
</djn-market>
<djn-product>
<c>P/FXTR</c>
<c>P/ACMD</c>
<c>P/AENE</c>
<c>P/AEQ</c>
<c>P/AEQI</c>
<c>P/AFXB</c>
<c>P/AFXI</c>
<c>P/AFXP</c>
<c>P/DCX</c>
<c>P/FNVW</c>
<c>P/LCK</c>
<c>P/MAAD</c>
<c>P/MAST</c>
<c>P/NIB</c>
<c>P/NIP</c>
<c>P/OAFX</c>
<c>P/PSH</c>
<c>P/WMAI</c>
```

```
<c>P/WMMI</c>
</djn-product>
<djn-geo>
<c>R/NME</c>
<c>R/US</c>
</djn-geo>
<djn-stat>
<c>S/ALL</c>
<c>S/CALL</c>
<c>S/IJC</c>
</djn-stat>
</djn-coding>
</djn-mdata>
</djn-newswires>
</djn>
</docdata>
</head>
<body>
<headline brand-display="DJ" >
U.S. Initial Jobless Claims Up 4,000 Last Week</headline>
<text>
<pre>


 </pre>
<p>
  By Eric Morath and Ben Leubsdorf </p>
<p>
  WASHINGTON--The number of Americans filing new claims for unemployment
benefits rose slightly last week, but held near a level consistent with a
modestly improving labor market. </p>
<p>
  Initial claims for unemployment benefits increased by 4,000 to a seasonally
adjusted 317,000 in the week ended June 7, the Labor Department said
Thursday. Economists surveyed by The Wall Street Journal had predicted
310,000 claims for the week. </p>
<p>
  The previous week&apos;s figure was revised upward by 1,000 to a seasonally
adjusted 313,000. </p>
<p>
  The four-week moving average, which evens out some week-to-week volatility,
increased last week by 4,750 to 315,250. Despite the increase, average weekly
claims are near their lowest level since the first half of 2007, before the
recession began. </p>
<p>
  The Labor Department said there were no special factors impacting last
week&apos;s data. </p>
<p>
  Thursday&apos;s report showed the number of workers continuing to draw
unemployment benefits rose by 11,000 to a seasonally adjusted 2.61 million in
the week ended May 31. Those figures are reported with a one-week lag. </p>
<p>
  Meanwhile, hiring has picked up in recent months. The economy added 217,000
jobs in May to mark the first four-month stretch of job creation above
200,000 since the boom days of the late 1990s. At the same time the
unemployment rate has inched down to 6.3%. </p>
```

```
<p>
  Still, some policymakers are concerned about a declining share of Americans
in the labor force and broader measures of unemployment that show many
thousands of workers are employed part-time, but would prefer full-time jobs.
</p>
<p>
  Federal Reserve officials will assess the health of the labor market as
they debate the time frame for raising interest rates and winding down their
bond-purchase program at next week&apos;s policy meeting. </p>
<p>
  The Labor Department report on jobless claims can be accessed at
http://www.dol.gov/ui/data.pdf. </p>
<p>
  Write to Eric Morath at eric.morath@wsj.com and Ben Leubsdorf at
ben.leubsdorf@wsj.com. </p>
<pre>
 </pre>
<p>
   (END) Dow Jones Newswires</p>
<p>
   June 12, 2014 08:30 ET (12:30 GMT)</p>_20140427_
</text>
</body>
</djnml>
</doc>
```

3.2 Administrative Message

3.2.1 <doc-modify>

3.2.1.1   Change Metadata

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000001214" md5="8061a2e72850d619c4deb5936e28ee61"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T092115Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="2416"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140612" product="DN" publisher="DJN" seq="2414" >
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-mdata">
<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="N" original-
source="FW" accession-number="20140612002414" page-citation="" display-
date="20140612T0920Z" >
<djn-coding>
<djn-company>
<c>MF5.SG</c>
</djn-company>
<djn-isin>
<c>SG2C33962847</c>
```

```
</djn-isin>
<djn-industry>
<c>I/CHC</c>
<c>I/CHM</c>
</djn-industry>
<djn-subject>
<c>N/AER</c>
<c>N/DJAE</c>
<c>N/DJG</c>
<c>N/DJGP</c>
<c>N/DJGS</c>
<c>N/DJGV</c>
<c>N/DJI</c>
<c>N/DJIB</c>
<c>N/DJIV</c>
<c>N/DN</c>
<c>N/EMR</c>
<c>N/FNVW</c>
<c>N/WED</c>
<c>N/WER</c>
<c>N/APIN</c>
<c>N/CNW</c>
<c>N/DJWI</c>
<c>N/ISD</c>
<c>N/STK</c>
<c>N/TPCT</c>
</djn-subject>
<djn-market>
<c>M/BSC</c>
<c>M/NND</c>
<c>M/TPX</c>
</djn-market>
<djn-product>
<c>P/AEQ</c>
<c>P/AEQI</c>
<c>P/FNVW</c>
<c>P/SXH</c>
</djn-product>
<djn-geo>
<c>R/CH</c>
<c>R/FE</c>
<c>R/FEO</c>
<c>R/FXAS</c>
<c>R/PRM</c>
<c>R/SN</c>
<c>R/SSA</c>
</djn-geo>
</djn-coding>
</djn-mdata>
</modify-replace>
</doc-modify>
</administration>
</djnml>
</doc>
```

3.2.1.2 Change Headline

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000000621" md5="966578f61ede7de959876b02acaf19bc"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T105435Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="3254"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140612" product="DN" publisher="DJN" seq="3242" >
<modify-replace xpath="djnml/body/headline">
<headline brand-display="DJ" >
Heard on the Street: China Won&apos;t Sink Copper&apos;s Ship</headline>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-press-
cutout">
<djn-press-cutout/>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency">
<djn-urgency>0</djn-urgency>
</modify-replace>
</doc-modify>
</administration>
</djnml>
</doc>
```

3.2.1.3 Change Text

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000002328" md5="82118ef2280ca7366d3375480162c10b"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140613T001936Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="11410"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140612" product="DN" publisher="DJN" seq="11408" >
<modify-replace xpath="djnml/body/text">
<text>
<pre>
By Shalini Ramachandran and Keach Hagey </pre>
<p>
     The owners of Univision Communications Inc., in their search for an
exit, have held preliminary discussions in recent weeks with several media
companies, including CBS Corp. and Time Warner Inc., according to people
familiar with the matter. </p>
<p>
     Univision is controlled by a consortium of investors including
billionaire Haim Saban. The owners are seeking north of $20 billion for the
company, according to people familiar with the matter. The group bought
Univision for $13.7 billion, including debt, in early 2007. Mr. Saban
didn&apos;t return a call seeking comment. </p>
<p>
```

```
     Univision has long been the dominant Spanish-language broadcaster in the
U.S. Even so, there is no sign any of the preliminary discussions have led
anywhere, however. Among other issues, one person familiar with the situation
said, was the price. </p>
<p>
     The broadcaster&apos;s owners had been expected to take the company
public in a stock offering in 2015, paving the way for them to exit, though
those plans aren&apos;t set yet. The owners had also looked to Mexican media
conglomerate Grupo Televisa SAB, which owns a minority stake of Univision and
supplies much of its programming, as a possible buyer. </p>
<p>
     But Televisa&apos;s ability to acquire Univision rests on changes in
regulatory rules capping foreign ownership in broadcasters at 25%. While the
FCC voted to allow exemption to that cap on a case-by-case basis last fall, a
person familiar with the situation said that the regulatory climate for a
Televisa acquisition remains uncertain. It is also unclear whether Televisa
is interested in buying the company. c </p>
<pre>
 </pre>
<p>
   (END) Dow Jones Newswires</p>
<p>
   June 12, 2014 20:18 ET (00:18 GMT)</p>
</text>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-press-
cutout">
<djn-press-cutout/>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency">
<djn-urgency>0</djn-urgency>
</modify-replace>
</doc-modify>
</administration>
</djnml>
</doc>
```

3.2.1.4 Change Headline & Text

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000003005" md5="78c33af80a674f54a21359844d86960d"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140611T165633Z" >
<djnml publisher="DJN" docdate="20140611" product="DN" seq="8411"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140610" product="DN" publisher="DJN" seq="10199" >
<modify-replace xpath="djnml/body/headline">
<headline brand-display="DJ" >
United Natural Foods Posts Higher 3rd-Quarter Profit, Narrows FY
Guidance</headline>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-press-
cutout">
```

```
<djn-press-cutout/>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency">
<djn-urgency>0</djn-urgency>
</modify-replace>
<modify-replace xpath="djnml/body/text">
<text>
<pre>
By Josh Beckerman </pre>
<p>
    United Natural Foods Inc. reported improved earnings and sales for its
fiscal third quarter, reflecting the continued popularity of natural and
organic foods. </p>
<p>
    But the company narrowed its range for the year, pushing shares down
about 3% in after-hours trading. </p>
<p>
    United Natural, the primary distributor to Whole Foods Market Inc., now
expects earnings for the year of $2.47 to $2.50 a share on sales of $6.73
billion to $6.77 billion. The company predicted, in March, a profit of $2.45
to $2.51 a share on $6.7 billion to $6.78 billion in revenue. </p>
<p>
    United Natural reported in May that it would buyTony&apos;s Fine Foods
for about $195 million, a deal expected to close late in the current quarter.
The revised guidance doesn&apos;t reflect anticipated sales or earnings from
Tony&apos;s, which posted about $714 million in sales for the year ended
Sept. 30. </p>
<p>
    For the quarter ended May 3, United Natural reported a profit of $36.4
million, or 73 cents a share, up from $31.6 million, or 64 cents a share, a
year earlier. Revenue grew 14% to $1.78 billion. </p>
<p>
    The latest quarter included incremental net sales of about $18 million
from the first-quarter acquisition of Trudeau Foods. </p>
<p>
    Analysts surveyed by Thomson Reuters expected a profit of 73 cents a
share on $1.78 billion in revenue. </p>
<p>
    Gross margin narrowed to 16.7% from 16.8%, hurt by the declining value
of the Canadian dollar. </p>
<p>
    Write to Josh Beckerman at josh.beckerman@wsj.com </p>
<p>
  Corrections &amp; Amplifications</p>
<p>
  This item was corrected June 11, 2014 at 12:52 p.m. ET because it
incorrectly said the company reduced its outlook for the year in the headline
and second paragraph. The range was narrowed. </p>
<pre>
 </pre>
<p>
  Access Investor Kit for United Natural Foods, Inc.</p>
<p>
  Visit
http://www.companyspotlight.com/partner?cp_code=A591&amp;isin=US9111631035</p
>
```

```
<p>
  Access Investor Kit for Whole Foods Market, Inc.</p>
<p>
  Visit
http://www.companyspotlight.com/partner?cp_code=A591&amp;isin=US9668371068</p
>
<p>
Subscribe to WSJ: http://online.wsj.com?mod=djnwires </p>
<pre>
</pre>
<p>
  (END) Dow Jones Newswires</p>
<p>
  June 10, 2014 16:51 ET (20:51 GMT)</p>
</text>
</modify-replace>
</doc-modify>
</administration>
</djnml>
</doc>
```

3.2.1.5 Change MetaData & Headline

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000001989" md5="21dcf668bd227c8d14ce999c9e74ac7d"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T194444Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="8839"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140612" product="DN" publisher="DJN" seq="8836" >
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-mdata">
<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="N" original-
source="DJDN" accession-number="20140612007847" page-citation="" display-
date="20140612T1944Z" >
<djn-coding>
<djn-company>
<c>BMW.XE</c>
<c>TSLA</c>
</djn-company>
<djn-isin>
<c>DE0005190003</c>
<c>US88160R1014</c>
</djn-isin>
<djn-industry>
<c>I/AUT</c>
<c>I/XAPT</c>
<c>I/XDAX</c>
<c>I/XDJGI</c>
<c>I/XISL</c>
<c>I/XNQ1</c>
<c>I/XRUS</c>
<c>I/XSLI</c>
</djn-industry>
```

```
<djn-subject>
<c>N/DJEI</c>
<c>N/DJEN</c>
<c>N/DJEP</c>
<c>N/DJG</c>
<c>N/DJGP</c>
<c>N/DJGS</c>
<c>N/DJGV</c>
<c>N/DJI</c>
<c>N/DJIB</c>
<c>N/DJIV</c>
<c>N/DJN</c>
<c>N/DJPT</c>
<c>N/DJQA</c>
<c>N/DJQS</c>
<c>N/DJRT</c>
<c>N/DN</c>
<c>N/ECR</c>
<c>N/FNVW</c>
<c>N/MADN</c>
<c>N/WED</c>
<c>N/WER</c>
<c>N/WSJC</c>
<c>N/CNW</c>
<c>N/DJPN</c>
<c>N/DJWI</c>
<c>N/FCTV</c>
<c>N/PAT</c>
<c>N/WAER</c>
<c>N/WEI</c>
</djn-subject>
<djn-market>
<c>M/NCY</c>
<c>M/NND</c>
</djn-market>
<djn-product>
<c>P/ABO</c>
<c>P/AEQI</c>
<c>P/FNVW</c>
<c>P/MAAD</c>
<c>P/MABA</c>
<c>P/MAST</c>
<c>P/METH</c>
<c>P/PSH</c>
<c>P/RCC</c>
<c>P/SGN</c>
<c>P/WMMI</c>
</djn-product>
<djn-geo>
<c>R/CA</c>
<c>R/EC</c>
<c>R/EU</c>
<c>R/EZN</c>
<c>R/GE</c>
<c>R/NME</c>
<c>R/PRM</c>
```

```
<c>R/US</c>
<c>R/USW</c>
<c>R/WEU</c>
</djn-geo>
</djn-coding>
</djn-mdata>
</modify-replace>
<modify-replace xpath="djnml/body/headline">
<headline brand-display="DJ" >
Telsa Opens Patent Portfolio to Spur Electric Rivals -- 2nd Update</headline>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-press-
cutout">
<djn-press-cutout/>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency">
<djn-urgency>0</djn-urgency>
</modify-replace>
</doc-modify>
</administration>
</djnml>
</doc>
```

3.2.1.6   Change MetaData & Text

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000002788" md5="c1ca0dc7381a45a6b8a03bf506903da4"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T150003Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="6498"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140612" product="DN" publisher="DJN" seq="6214" >
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-mdata">
<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="N" original-source="T"
accession-number="20140612006214" page-citation="" display-
date="20140612T1423Z" >
<djn-coding>
<djn-company>
<c>MET</c>
</djn-company>
<djn-isin>
<c>US59156R1086</c>
</djn-isin>
<djn-industry>
<c>I/INL</c>
<c>I/INS</c>
<c>I/XDJGI</c>
<c>I/XDJLC</c>
<c>I/XFFX</c>
<c>I/XINT</c>
<c>I/XNYA</c>
<c>I/XRUS</c>
<c>I/XSLI</c>
```

```
<c>I/XSP1</c>
<c>I/XSP5</c>
</djn-industry>
<djn-page>
<c>80000</c>
</djn-page>
<djn-subject>
<c>N/DJEN</c>
<c>N/DJG</c>
<c>N/DJGS</c>
<c>N/DJI</c>
<c>N/DJN</c>
<c>N/DJRT</c>
<c>N/DN</c>
<c>N/MADN</c>
<c>N/OSOV</c>
<c>N/WED</c>
<c>N/WER</c>
<c>N/ALMT</c>
<c>N/ANL</c>
<c>N/CAC</c>
<c>N/CNW</c>
<c>N/CRX</c>
<c>N/DJMT</c>
<c>N/DJWI</c>
<c>N/ENTR</c>
<c>N/STK</c>
<c>N/TNM</c>
<c>N/WEI</c>
</djn-subject>
<djn-market>
<c>M/FCL</c>
<c>M/NND</c>
</djn-market>
<djn-product>
<c>P/ABO</c>
<c>P/AEQI</c>
<c>P/BFX</c>
<c>P/EQE</c>
<c>P/EWR</c>
<c>P/MAAD</c>
<c>P/RCC</c>
<c>P/SGN</c>
<c>P/SIC</c>
<c>P/WMMI</c>
</djn-product>
<djn-geo>
<c>R/ASI</c>
<c>R/FE</c>
<c>R/FEO</c>
<c>R/NME</c>
<c>R/NY</c>
<c>R/SSA</c>
<c>R/US</c>
<c>R/USE</c>
</djn-geo>
```

```
</djn-coding>
</djn-mdata>
</modify-replace>
<modify-replace xpath="djnml/body/text">
<text>
<p>
  10:23 EDT - MetLife (MET) will probably need an acquisition to hit its goal
of 20% of operating earnings coming from emerging markets by 2016 versus some
17% today, says Janney. Strong growth at other parts of the insurer makes the
target harder to hit without a deal, the investment bank contends. MET CEO
Steven Kandarian told investors during a presentation Monday that Southeast
Asia is &quot;an area of focus,&quot; but lamented &quot;a very frothy
market.&quot; The company has been outbid on some M&amp;A opportunities.
&quot;We&apos;re looking aggressively,&quot; he said, promising to be a
&quot;very disciplined&quot; buyer. (leslie.scism@wsj.com) </p>
<p>
  Corrections &amp; Amplifications</p>
<p>
  This item was corrected at 10:58 a.m. ET because it mistakingly quoted CEO
Steven Kandarian telling investors Southeast Asia is &quot;an era of
focus.&quot; He said &quot;an area of focus.&quot; </p>
<p>
  (END) Dow Jones Newswires</p>
<p>
  June 12, 2014 10:23 ET (14:23 GMT)</p>
</text>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-press-
cutout">
<djn-press-cutout/>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency">
<djn-urgency>0</djn-urgency>
</modify-replace>
</doc-modify>
</administration>
</djnml>
</doc>
```

3.2.1.7   Change MetaData, Headline and Text

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000002339" md5="6f5e94a74e5b278378436df056897e35"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T120816Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="4313"
xml:lang="en-us" >
<administration>
<doc-modify docdate="20140612" product="DN" publisher="DJN" seq="4213" >
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-mdata">
<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="N" original-source="T"
accession-number="20140612004088" page-citation="" display-
date="20140612T1202Z" >
<djn-coding>
```

```
<djn-company>
<c>EXC</c>
</djn-company>
<djn-isin>
<c>US30161N1019</c>
</djn-isin>
<djn-industry>
<c>I/ELC</c>
<c>I/XDJGI</c>
<c>I/XDJLC</c>
<c>I/XDJU</c>
<c>I/XFFX</c>
<c>I/XNYA</c>
<c>I/XRUS</c>
<c>I/XSLI</c>
<c>I/XSP1</c>
<c>I/XSP5</c>
<c>I/XUTT</c>
</djn-industry>
<djn-subject>
<c>N/BKG</c>
<c>N/CMDI</c>
<c>N/CMR</c>
<c>N/DJEN</c>
<c>N/DJG</c>
<c>N/DJG7</c>
<c>N/DJGS</c>
<c>N/DJI</c>
<c>N/DJIV</c>
<c>N/DJN</c>
<c>N/DJPT</c>
<c>N/DJRT</c>
<c>N/DN</c>
<c>N/DPG</c>
<c>N/EWR</c>
<c>N/FNVW</c>
<c>N/FXW</c>
<c>N/IPR</c>
<c>N/MADN</c>
<c>N/NRG</c>
<c>N/WED</c>
<c>N/WER</c>
<c>N/CAC</c>
<c>N/CNW</c>
<c>N/CRX</c>
<c>N/DJWI</c>
<c>N/ENY</c>
<c>N/FCTV</c>
<c>N/LNG</c>
<c>N/NGS</c>
<c>N/REG</c>
<c>N/SNPR</c>
<c>N/STK</c>
<c>N/WEI</c>
</djn-subject>
<djn-market>
```

```
<c>M/MMR</c>
<c>M/UTI</c>
</djn-market>
<djn-product>
<c>P/ABO</c>
<c>P/AENE</c>
<c>P/AEQI</c>
<c>P/EQE</c>
<c>P/FNVW</c>
<c>P/HDL</c>
<c>P/MAAD</c>
<c>P/NRG</c>
<c>P/RTRS</c>
<c>P/SGN</c>
<c>P/WMMI</c>
<c>P/WMN</c>
</djn-product>
<djn-geo>
<c>R/NAPW</c>
<c>R/NME</c>
<c>R/PA</c>
<c>R/US</c>
<c>R/USE</c>
</djn-geo>
</djn-coding>
</djn-mdata>
</modify-replace>
<modify-replace xpath="djnml/body/headline">
<headline prefix="*"  brand-display="DJ" >
Exelon Puts Total Stated Amount of Equity Unit Offer at $1B</headline>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-press-
cutout">
<djn-press-cutout/>
</modify-replace>
<modify-replace xpath="djnml/head/docdata/djn/djn-newswires/djn-urgency">
<djn-urgency>0</djn-urgency>
</modify-replace>
<modify-replace xpath="djnml/body/text">
<text>
<pre>
 </pre>
<p>
  Corrections &amp; Amplifications</p>
<p>
  This item was corrected at 8:07 a.m. ET to adjust parameters of equity unit
offer.</p>
<p>
  (MORE TO FOLLOW) Dow Jones Newswires (212-416-2800)</p>
<p>
  June 12, 2014 08:02 ET (12:02 GMT)</p>
</text>
</modify-replace>
</doc-modify>
</administration>
</djnml>
```

```
</doc>
```

3.2.2 <doc-delete>

3.2.2.1   reason="purge"

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000000218" md5="0da042fab8b3bd3ea2ee81d81f60edbb"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T105026Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="3233"
xml:lang="en-us" >
<administration>
<doc-delete docdate="20140612" product="DN" publisher="DJN" seq="3218"
reason="purge" />
</administration>
</djnml>
</doc>
```

3.2.2.2   reason="expiration"

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000001968" md5="50d75bc63e2f04f52af7eea6e1e6c29d"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T051750Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="195"
xml:lang="en-us" >
<administration>
<doc-delete product="DN" docdate="20130507" seq="000002" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000003" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000004" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000005" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000006" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000007" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000008" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000009" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000010" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000011" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000012" publisher="DJN"
reason="expire" />
```

```
<doc-delete product="DN" docdate="20130507" seq="000013" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000014" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000015" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000023" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000025" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000026" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000028" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000029" publisher="DJN"
reason="expire" />
<doc-delete product="DN" docdate="20130507" seq="000031" publisher="DJN"
reason="expire" />
</administration>
</djnml>
</doc>
```

3.2.2.3   reason="not-available"

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000000222" md5="6f4543c8bd2c5c65ae89a34930d56592"
sysId="secnwsdcmn8p2" destination="AW" distId="AMD2" transmission-
date="20140207T203422.617Z" >
<djnml publisher="DJN" docdate="20131207" product="DN" seq="90" xml:lang="en-
us" >
<administration>
<doc-delete docdate="20131207" product="DN" publisher="DJN" seq="90"
reason="not-available" />
</administration>
</djnml>
</doc>
```

3.2.3 <good-day>

3.2.3.1   type="morning"

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000000202" md5="517a8074721987e7b92db170768bda64"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T040002Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="1" xml:lang="en-
us" >
<administration>
<good-day type="morning" docdate="20140612" product="DN" publisher="DJN" />
```

```
</administration>
</djnml>
</doc>
```

3.2.3.2   type="night"

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000000221" md5="36596eb590ad81888d162a21e9f630de"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140613T040000Z" >
<djnml publisher="DJN" docdate="20140612" product="DN" seq="12353"
xml:lang="en-us" >
<administration>
<good-day type="night" docdate="20140612" product="DN" publisher="DJN" last-
seq="12352" />
</administration>
</djnml>
</doc>
```

3.2.4   <doc-retransmission>

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000002494" md5="3a5a4bf0ef273f99faa268dd6e9a2767"
sysId="sbknwsdcmn1q1" destination="MYP1"  distId="MYP1" transmission-
date="20141002T155628Z" >
<djnml publisher="DJN" docdate="20141002" product="DN" seq="4654"
xml:lang="en-us" >
<administration>
<doc-retransmission docdate="20141002" product="DN" publisher="DJN"
seq="4654" done="1" />
</administration>
<head>
<copyright year="2014" holder="Dow Jones &amp; Company, Inc." ></copyright>
<docdata>
<djn>
<djn-newswires news-source="DJDN" origin="DJ" service-id="CO" >
<djn-press-cutout/>
<djn-urgency>0</djn-urgency>
<djn-mdata brand="DJ" temp-perm="P" retention="N" hot="N" original-
source="FW" accession-number="20141002004654" page-citation="" display-
date="20141002T1237Z" >
<djn-coding>
<djn-page>
<c>1085</c>
<c>80000</c>
</djn-page>
<djn-subject>
<c>N/BKG</c>
<c>N/CMDI</c>
<c>N/CMR</c>
<c>N/DJCS</c>
```

```
<c>N/DJG</c>
<c>N/DJG7</c>
<c>N/DJGS</c>
<c>N/DJI</c>
<c>N/DJMS</c>
<c>N/DJN</c>
<c>N/DJPF</c>
<c>N/DJRT</c>
<c>N/DN</c>
<c>N/EWR</c>
<c>N/FXW</c>
<c>N/MADN</c>
<c>N/OSAG</c>
<c>N/OSCM</c>
<c>N/OSFF</c>
<c>N/OSFR</c>
<c>N/OSME</c>
<c>N/OSOV</c>
<c>N/OSTR</c>
<c>N/WED</c>
<c>N/WER</c>
<c>N/ALMT</c>
<c>N/BON</c>
<c>N/CMD</c>
<c>N/DJFN</c>
<c>N/DJMT</c>
<c>N/DJWI</c>
<c>N/ECO</c>
<c>N/EMP</c>
<c>N/ENTR</c>
<c>N/FIN</c>
<c>N/FRX</c>
<c>N/FXMT</c>
<c>N/FXTR</c>
<c>N/GENI</c>
<c>N/LAB</c>
<c>N/MFO</c>
<c>N/MKT</c>
<c>N/MON</c>
<c>N/SDT</c>
<c>N/TPC</c>
</djn-subject>
<djn-market>
<c>M/NND</c>
<c>M/TPX</c>
</djn-market>
<djn-product>
<c>P/FXTR</c>
<c>P/ACMD</c>
<c>P/AEQI</c>
<c>P/AFXB</c>
<c>P/AFXI</c>
<c>P/AFXP</c>
<c>P/MAAD</c>
<c>P/RCC</c>
<c>P/WMAI</c>
```

```
<c>P/WMMI</c>
</djn-product>
<djn-geo>
<c>R/NME</c>
<c>R/US</c>
</djn-geo>
</djn-coding>
</djn-mdata>
</djn-newswires>
</djn>
</docdata>
</head>
<body>
<headline brand-display="DJ" >
Jobless Claims Hovering Around 2014 Lows -- Market Talk</headline>
<text>
<p>
  8:37 EDT - U.S. initial jobless claims fell again last week to 287K,
marking this year&apos;s third lowest reading. The four-week moving average
for claims, which smoothes out week-to-week volatility, fell 4,250 to
294,750. They&apos;ve been hovering around 300,000 since late July, a level
last seen regularly in 2007. Companies aren&apos;t laying many people off
these days because the economy is growing and post recession payrolls remain
lean. In addition, a growing number of the newly laid off are deciding to not
file claims as they become more optimistic about their chances of quickly
finding new jobs. (jonathan.house@wsj.com) </p>
<p>
  (END) Dow Jones Newswires</p>
<p>
  October 02, 2014 08:37 ET (12:37 GMT)</p>
</text>
</body>
</djnml>
</doc>
```

3.2.5 <line-check>

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE doc SYSTEM "djnml-1.0b.dtd">
<doc msize="000000123" md5="7e77fe61fc7e1e8f745cb5b8ad998fb6"
sysId="sbknwsdcmn2p1" destination="AW" distId="AMD6" transmission-
date="20140612T040047Z" >
<djnml publisher="DJN" docdate="20140612" product="AD" seq="0" >
<administration>
<line-check/>
</administration>
</djnml>
</doc>
```

4 Feed Recipient's Responsibility

4.1 General

Feed Recipients are expected to follow certain guidelines when integrating Dow Jones News. They are described below:

1. A Feed Recipient must preserve the content and classification of the news stories taken from the Dow Jones feed. Feed Recipient is forbidden to alter or change the content of the headline or story in any way.

2. Correct attribution must be given whenever Dow Jones is displayed or presented by Feed Recipient's software.

3. A Feed Recipient who creates and maintains a database of Dow Jones news (where a database is defined as more than one Dow Jones News message kept in temporary or permanent storage) must make its best attempt at maintaining the integrity of that database. This includes:

    a. Updating the database to reflect the latest version of each and every news item. This includes the application of the news deletion and modification commands sent by Dow Jones.

    b. Adding and deleting classification categories and codes.

4. A Feed Recipient must make its best attempt to provide for uninterrupted receipt of the broadcast information.

4.2 Message Reception

Dow Jones publishes contents 24 hours a day, 7 days a week. Transmission of regular daily business news begins with "morning" message. The "morning" message always has message sequence number of "1" . Transmission for a given newswire product ends each business day with the "evening" message.

Feed Recipient must be able to accept the feed during the highest traffic load period without loss of messages or any portion of any message.

4.3 Action on Transmission Errors

If Feed Recipient detects a "gap" in messages, identified by missing Message Sequence Numbers, the Feed Recipient may request retransmissions of the missing or corrupt message(s).

For retransmission, contact Dow Jones Operations by email eoc.team@dowjones.com or call (609) 520-7677 (select option#1)

4.4 Database Update

A Feed Recipient who creates and maintain a *database* of news received from Dow Jones should *apply* each message sent by Dow Jones, for each newswire product, to the database as quickly as possible.

Database is defined as more than one message held in temporary or permanent storage.

Apply differs for each type of message and is described below.

a. News message – This is a new news story and should be added to the database.
b. Administrative Messages –
   1. **`<doc-delete>`** – The Feed Recipient should delete the referenced news story from the database.
   2. **`<doc-modify>`** – The Feed Recipient should change the parts of the referenced story in the database. Parts of the story that can be changed include headline, story text and MetaData.

NOTE Exception when applying <doc-modify> change – DO NOT change original display date and time this article published.

Feed recipient should ignore the following messages:
a. **`<doc-delete>`** admin message if reason="not-available".
b. **`<doc-delete>`** admin message with reason="expire" that is referencing a story that is not received as per their product entitlement.
c. **`<doc-modify>`** admin message that is referencing a story that is not received as per their product entitlement

4.5 File Maintenance

Many stories published during the course of a business day apply only to that day and would have no meaning on any other day, except in a chronological sense. For example, a message stating that the Dow Jones Industrial Average was up by two points would have no meaning except at the instant it was broadcast. For this reason, Dow Jones takes the responsibility of deciding which messages should remain in the database and which should be discarded.

Dow Jones marks messages that must be removed from the database prior to the expiration of the normal retention period as *temporary* stories. Messages marked as temporary should be retained for two business days following the original transmission, then must be deleted from the database. One of the requirements of *File Maintenance* is the deletion of the temporary stories from the local database by the Feed Recipient.

During File Maintenance, the Feed Recipient should perform the following operations on the database:

1. Delete all stories marked "Temporary" that are more than two business days old.
2. Delete all **`<doc-delete>`** with reason="purge" from the current day, if they are stored.
3. Delete all System messages from the current day, if they are stored.

4. Delete all references to the "Hot News" classification that are more than two business days old.
5. Delete all stories that have expired based upon their specified retention period.
6. Process all expiration messages stored during the current day for processing later.

4.6 Presentation

The following guidelines for presenting news obtained from the Dow Jones Feed to customers apply to all Feed Recipients. Additional guidelines and requirements may apply to some Recipients; for instance, Distributors.

4.6.1 Story Integrity

A Feed Recipient must present the headline and story to the customer exactly as it was received from Dow Jones; no modifications to the headline and story text are permitted.

If headlines are displayed with timestamp, the display time sent with the original news message must be used with the headline. Headlines must be displayed in the order published by Dow Jones.

In cases where a news message is corrupt but the headline is intact, the Recipient may display the headline but must discard the story text and display in its place a message indicating that the "*Story is lost*.".

4.6.2 Classification of Story

A Feed Recipient must, as a minimum, use the classification codes received from Dow Jones as a basis for retrieving the stories from the database, if present. For example, if a customer should request that the Feed Recipient software present all stories in which Dow Jones has inserted the characters "IBM" (the stock symbol for International Business Machines) in the corporate category MetaData fields, all stories that contain the corporate category classification "IBM" must be presented. A Feed Recipient can add to this list of stories, but can never subtract from it.

A Feed Recipient is free to add any additional classifications that it sees as necessary, but is forbidden to remove a classification code from the story. The Feed Recipient is still responsible for maintaining the integrity of the classification codes received from Dow Jones by applying all (if any) command messages received.

It is suggested that the Feed Recipient provide an "ALL" category for retrieval of all current day information, as well as a "HOT" category for retrieval of all stories classified as Hot by Dow Jones.

4.6.3 Generating News Alerts

All Feed Recipients are required to generate news alerts for news stories received on all Dow Jones proprietary products. A news alert is a message to end users informing them that a story about a particular

company has arrived. Generating news alerts is *not* optional. The following rules govern generating and distributing news alerts:

1. Generate a news alert for each company symbol found in the `<djn-company>` tag ;
2. Do not generate a news alert for any story with the code P/ASU in `<djn-product>;` and
3. Distribute news alerts to end users only for the products to which the end user subscribes.

4.6.4 Branding

Branding refers to displaying the contents of the Branding field with a story received from the Dow Jones. All Feed Recipients must display the contents of the Branding field when a headline is displayed in a headlines-only or any other abbreviated view. The Branding field may be omitted from the full display of a news story only if the complete name of the source is displayed.

4.6.5 Story Presentation

A Feed Recipient is free to choose any visual presentation of the news information, provided that correct attribution is given and appropriate news alerts are generated and distributed.

A Feed Recipient should present the story in its entirety, although it is not required that the whole story be presented on the same screen. If the whole story cannot be presented in its entirety in the same screen, it can be presented in sequential segments.

4.7 Story Chaining

Frequently, Dow Jones publishes a story in multiple "takes". Each take is a separate news message. Each take consists of a headline with or without text. Together, the takes make up the complete story. The process of linking the takes together to assemble the complete story is called "chaining". A Feed Recipient must chain the takes together to assist the user in retrieving the complete story; without story chaining, the user bears the burden of following visual cues to get the whole story. The following subsections present some conventions that facilitate story chaining and a procedure for implementing chaining.

> **NOTE** Chaining *can* cross days. Some messages that make up a story may be transmitted one day and other segments may be transmitted on other days.

The most important rule for implementing story chaining is ***treating each message as a separate entity***. Do ***not*** combine and store the takes (messages) into a single master story as they are received. This is important because Dow Jones may transmit an update or a deletion for an individual take of a multi-take story. **Chaining should be a retrieval function, not a storage function**. Stories should only be chained when a user selects to view the text of a multi-take story
With this rule in mind, story chaining can be implemented easily by following these steps:

1. Isolate all stories that contain the same non-zero accession number.
2. Sort the stories by display date, display time, message date and sequence number.
3. Chain the stories, thus allowing the user to page up and down, or scroll through the various takes.

The table below serves as an example:

Sequence Number	Headline	Accession Number
…	…	…
003213	*DJ 3-Month USD Libor Rises To 0.23060% From 0.22980% Wednesday	20140612003213
003214	DJ Moody's Revises Cmhi's Outlook To Stable From Negative	20140612003214
003216	DJ InfoGrain EU Grain, Oilseed, Feed Pea Markets -Jun 11	20140612003216
…	…	…
003221	*DJ 3-Month Sterling Libor Rises To 0.53469% From 0.53406% Wednesday	20140612003213
003222	DJ Iraq Parliament Fails To Reach Quorum For Emergency Session	20140612003151
…	…	…
003224	*DJ 3-Month Euro Libor Falls To 0.21286% From 0.23571% Wednesday	20140612003213
…	…	…
003227	DJ At Lululemon Will Be Able to Buy More Stock -- Market Talk	20140612003227
…	…	…
003265	DJ Key Dollar, Sterling Borrowing Rates Rise, Euro Rates Fall	20140612003213
003266	DJ Hitachi Eyes Joining Bid for Alstom Unit--Update	20140612002377
…	...	...

In this example, messages 3213, 3221, 3224 and 3265 are the four takes of a single story; messages 3214, 3216, 3222, 3227 and 3266 are not part of this story.

If a user requests story number 3213, display "*DJ 3-Month USD Libor Rises To 0.23060% From 0.22980% Wednesday", followed by the headline and text of story 3221, followed by the headline and text of story 3224, followed by the headline and text of story 3265.

If a user requests a sequence number that is part of a multiple takes story, display all of the takes of the story, but display the user requested story at the top of the display and provide a scrolling capability to view the previous take and the next take.

NOTE Takes within a single story are presented in ascending order of message sequence number.

Display rendering:

4.8 Suppressing Duplicate Stories

A story written for a particular Dow Jones product often is published to multiple newswires. Although story is a legitimate member of each wire, client who receives multiple wires/products may see the story as redundant and suppress or remove it.

4.8.1 Ways to Curtail Duplication with AllDow

The best method of eliminating duplication is to use AllDow product. Each story that is delivered via the AllDow product contains a unique sequence number and subject codes for the wires where this story is applicable. Therefore, recipients of multiple wires from the AllDow product will have to build a filtering logic to ensure that a story gets displayed only once on the desktop for any user that is subscribing to more than one wire.

For example, suppose a user subscribes to Dow Jones News Service (N/DJN) and DJ Global FX & Fixed Income News (N/ CMR) products via AllDow product, there will be some stories that contain both N/DJN and N/CMR subject codes. In this case recipient will have to make sure that the story is displayed only once in a co-mingled window environment.

4.8.2 Ways to curtail Duplication with Source/Original Source Codes

For all non-AllDow recipients who receive discrete products, such as BT, CM, DI, etc.., to suppress duplicate stories, they should compare the contents of the **"news-source"** and the **"original-source"** attribute.

> **NOTE** The Source/Original Source screening method is valid only if the user receives and displays the entire content from multiple Newswires products. Currently, there is no unique ID number that accompanies a story as it moves from wire to wire.

There are two basic rules and several special cases to consider when using the Source/Original Source screening method. The basic rules are:

1. Treat the story as a duplicate if the contents of the two attributes are not identical.
2. Treat the story as a new story if the contents of the two attributes are identical.

The special cases are:
1. If the **"original-source"** attribute is empty, treat the story as if the **"news-source"** and the **"original-source"** were identical; that is, treat the story as a new story.
2. If the recipient does not receive the original source, the story is not a duplicate.

Appendix A Product ID List

A.1 Sub-Address Allocation and Product List

Below is a listing of products with their corresponding Product ID and Sub-Address. Some products may contain "sub-products" and in those cases the content code must be used to identify the specific sub-product(s). Recipient must create entitlement for each product and sub-product where applicable.

For example: Dow Jones International News Wires, sub-address "08", product id "DI" contains many different sub-products. A recipient that receives one or more sub-products must use the content code to identify those sub-products and create entitlements for them. Another example would be "AllDow" (DN), which contains many sub-products that are also available as individual products.

Discrete Products

Sub-Address	News Service	Product ID	Content Code	Associated Container Product
01	Broadcast Administration	AD		
03	Dow Jones Directory of Symbols	SY		
04	Dow Jones Professional Investor Report	PI	N/PIR	SN
04	DJ Reports and Alerts	PI	N/ALR	SN
04	DJ PIR Profiles	PI	N/NPL	SN
05	Dow Jones News Service (Broad Tape)	BT	N/DJN	DN
05	Dow Jones Equity Trading – North America	BT	N/DJRT	DN
05	Dow Jones Equity Investor – North America	BT	N/DJEN	DN
05	Dow Jones Adviser Practice	BT	P/WMAI	DN
05	Dow Jones Adviser Markets	BT	P/WMMI	DN
05	Dow Jones North America Equities	BT	P/PSH	DN
06	Dow Jones Global FX & Fixed Income News	CM	N/CMR	DN
07	Press Release Wires (includes sources below)	PR	N/PREL	SN
07	Business Wire	PR	N/BW	SN
07	PR Newswire	PR	N/PR	SN
07	Canadian News Wire	PR	N/CW	SN
07	Canadian Corporate News	PR	N/CNCN	SN
07	GlobeNewswire	PR	N/PMZN	SN
07	MarketWire	PR	N/MKTW	SN
07	AcessWire	PR	N/AW	SN

Sub-Address	News Service	Product ID	Content Code	Associated Container Product
08	Dow Jones International News Service	DI	N/DJI	DN
08	Dow Jones Global Equities News	DI	N/WER	DN
08	Dow Jones European Corporate Report	DI	N/ECR	DN
08	Dow Jones MarketBeat	DI	N/MRP	DN
08	Dow Jones Latin America Service	DI	N/LTAM	DN
09	Dow Jones Corporate Filings Alert (Federal Filings)	FF	N/FF	DN
10	Test Product	TT		
12	The Wall Street Journal	WJ	N/WSJ	PB
16	Dow Jones Energy Service	ES	N/NRG	DN
16	Dow Jones Oil & Gas Service	ES	N/DOI	DN
16	Dow Jones Power & Gas Service	ES	N/DPG	DN
19	Dow Jones Global News Select	ON	N/DJBN	DN
23	Dow Jones Asian Equities Report	AE	N/AER	DN
23	Nikkei Dow Jones Japan Report	AE	N/NJR	DN
23	Dow Jones South Asia Report	AE	N/DJIR	DN
25	Dow Jones Emerging Markets Report (Commercially Not Available)	EM	N/EMR	DN
26	The Wall Street Journal Asia	WA	N/AWSJ	PB
27	The Wall Street Journal Europe	WE	N/WSJE	PB
28	Barron's	BA	N/BRNS	PB
30	Dow Jones Commodities Service	CS	N/DJCS	DN
30	Dow Jones Commodities Basic	CS	N/OSTR	DN
30	Dow Jones AgriWire	CS	N/OSAG	DN
30	Dow Jones MetalsWire	CS	N/OSME	DN
32	Dow Jones Australia/New Zealand Report	AN	N/DJAN	DN
35	Dow Jones Spanish Language News	SW	N/DJSW	LL
35	Dow Jones FX Select in Spanish	SW	P/SWFX	LL
35	Dow Jones Americas en Español	SW	N/DJLA	LL
35	EFE Dow Jones Professional	SW	N/DJSE	LL
35	EFE Dow Jones Advanced	SW	N/DJSA	LL
35	EFE Dow Jones Web	SW	N/DJSB	LL
35	Dow Jones Americas en Español Web	SW	P/AWEB	LL
39	Dow Jones French Language News	FR	N/DJFR	LL

Sub-Address	News Service	Product ID	Content Code	Associated Container Product
39	DJ Bourse Professional	FR	N/DJBP	LL
39	DJ Bourse Web	FR	N/DJFB	LL
39	DJ Bourse USA	FR	N/DJFA	LL
39	DJ Bourse Open	FR	N/DJBO	LL
39	Dow Jones French Domestic Top News	FR	P/FDTN	LL
39	Dow Jones French Regional Top News	FR	P/FRTN	LL
40	Dow Jones German Language Newswire	GE	N/DJGE	LL
40	Dow Jones Compact	GE	N/DJGC	LL
40	Dow Jones Global	GE	N/DJGG	LL
40	Dow Jones Trade	GE	N/DJGT	LL
40	Dow Jones Austria	GE	N/DJGU	LL
40	Dow Jones German Domestic Top News	GE	P/GDTN	LL
40	Dow Jones German Regional Top News	GE	P/GRTN	LL
40	Dow Jones FX Select in German	GE	N/DJGX	LL
41	MF Dow Jones Professional	IT	N/DJIT	LL
41	MF Dow Jones Italian Domestic Top News	IT	P/IDTN	LL
41	MF Dow Jones Italian Regional Top News	IT	P/IRTN	LL
41	MF Dow Jones FX Select in Italian	IT	P/FXSI	LL
54	Dow Jones Nieuwsdienst Professional	DU	N/DJDU	LL
54	Dow Jones Nieuwsdienst Advanced	DU	N/DJDA	LL
54	Dow Jones Nieuwsdienst Web	DU	N/DJDL	LL
55	Dow Jones Portuguese Language News	PT	N/DJPO	LL
55	DJ Bolsa	PT	N/DJPL	LL
55	DJ em Portuguese	PT	P/DJBP	LL
55	Dow Jones FX Select in Portuguese	PT	P/PWFX	LL
55	Dow Jones FX Select in Portuguese for Brazil	PT	P/BPFX	LL
57	Smart Money	SM	N/SMTM	PB
56	Dow Jones Global Press Release Wire	RN	N/GPRW	SN
56	UK Corporate Disclosure	RN	N/RNWS	SN
59	Dow Jones Russian-Language News	RX	N/DJRU	LL
59	Dow Jones FX Select in Russian	RX	N/RSFX	LL
59	DJ Stocks – Russian	RX	N/RSTK	LL
62	Dow Jones Calendar Live Data Feed	CD	N/DJCD	SN

Sub-Address	News Service	Product ID	Content Code	Associated Container Product
62	Dow Jones Calendar Live Data Feed (ex FX Trader content)	CD	P/CALD	SN
62	FX Trader Calendar Content	CD	P/CDFX	SN
63	AWP News	SF	N/AWP	LL
63	AWP Top Stories-Europe-French	SF	P/TSEF	LL
63	AWP Top Stories-Europe-German	SF	P/TSEG	LL
63	AWP Top Stories-Switzerland-French	SF	P/TSSF	LL
63	AWP Top Stories- Switzerland –German	SF	P/TSSG	LL
65	Zawya Dow Jones News	ZW	N/ZDJ	SN
66	Dow Jones Institutional News	GM	N/DJG	DN
67	Nikkei & Dow Jones Japan Report (English)	ND	N/DJND	SN
68	Dow Jones Japanese Language Newswire	JA	N/DJJA	LL
68	DJ Global Equities Report – Japanese	JA	N/JEQU	LL
68	DJ Japan Money Report	JA	N/JDRV	LL
68	DJ China Equities Report	JA	N/JCER	LL
68	DJ India Equities Report	JA	N/JIER	LL
68	DJ European Equities Report – Japanese	JA	N/JEER	LL
68	DJ World Markets Roundup – Japanese	JA	N/JWMR	LL
68	Dow Jones Japanese FX Select	JA	P/FXJA	LL
69	Dow Jones Investment Banker	IB	N/DJIB	DN
70	Dow Jones Top Stories Global Equities	TG	N/TSGE	SN
71	Dow Jones Chinese Language News (All products available in Traditional, Simplified and in English Language)	CH	N/DJCH	LL
71	DJ Chinese Financial Wire	CH	N/CFW	LL
71	DJ Chinese Ticker Wire (U.S.)	CH	N/TIKR	LL
71	DJ Chinese Forex/Fixed-Income Wire	CH	N/CFF	LL
71	DJ Chinese Online Service	CH	N/CONS	LL
71	DJ Chinese Short-Message-Service	CH	N/SMS	LL
71	Dow Jones Chinese FX Select	CH	P/FXCH	LL
72	Dow Jones Arabic-Language Newswire	AR	N/DJAR	LL
72	Dow Jones FX Select in Arabic	AR	P/FXAR	LL
72	Zawya Dow Jones News in Arabic	AR	P/ZDAR	LL
74	Dow Jones Turkish Language Newswire	TU	N/DJTU	LL

Sub-Address	News Service	Product ID	Content Code	Associated Container Product
75	MarketWatch News	MW	N/DJMW	SN
75	MarketWatch Full Story	MW	P/MWWS	SN
75	MarketWatch Headlines	MW	P/MWHL	SN
75	MarketWatch Pulse Bullets	MW	P/MWPB	SN
75	MarketWatch Bulletins	MW	P/MWBU	SN
76	Dow Jones Korean Language Service	KR	N/DJKR	LL
76	DJ Korean Language Code	KR	N/KRN	LL
76	DJ English Language content on the Korean Wire	KR	N/KRNE	LL
77	Dow Jones FX Select – Farsi	PE	N/DJPE	LL
78	Dow Jones FX Trader	FX	P/FXTR	DN
79	DJ Multi-asset Trading Product Services Newswires	MD	N/MADN	DN
79	Dow Jones Multi-Asset Advanced	MD	P/MAAD	DN
79	Dow Jones Multi-Asset Basic	MD	P/MABA	DN
79	Dow Jones Multi-Asset Standard	MD	P/MAST	DN
80	DJ Multi-asset Trading Product Services on Secondary Newswires	MS	N/MASN	SN
81	Trading Central	TC	N/TRDC	DN
82	Dow Jones Vendor Wire	VW	N/FNVW	DN

The remaining sub-addresses are reserved for future products as they become available.

DN – AllDow Container Product

Sub-Address	News Service	Product ID	Content Code
42	AllDow	DN	
42	Dow Jones Asian Equities Report	DN	N/AER
42	Nikkei Dow Jones Japan Report	DN	N/NJR
42	Dow Jones South Asia Report	DN	N/DJIR
42	DJ Australia/New Zealand Report	DN	N/DJAN
42	Dow Jones Global News Select	DN	N/DJBN
42	Dow Jones Commodities Service	DN	N/DJCS
42	Dow Jones Commodities Basic	DN	N/OSTR
42	Dow Jones AgriWire	DN	N/OSAG
42	Dow Jones MetalsWire	DN	N/OSME
42	Dow Jones Corporate Filings Alert (Federal Filings)	DN	N/FF
42	Dow Jones Emerging Markets Report (Commercially Not Available)	DN	N/EMR
42	Dow Jones Energy Service	DN	N/NRG
42	Dow Jones Oil & Gas Service	DN	N/DOI
42	Dow Jones Power & Gas Service	DN	N/DPG
42	Dow Jones FX Select	DN	N/DJFN
42	Dow Jones FX Trader	DN	P/FXTR
42	Dow Jones Global FX & Fixed Income News	DN	N/CMR
42	Dow Jones Global Markets News	DN	N/DJG
42	Dow Jones International News Service	DN	N/DJI
42	Dow Jones European Corporate Report	DN	N/ECR
42	Dow Jones Global Equities News	DN	N/WER
42	Dow Jones MarketBeat	DN	N/MRP
42	Dow Jones Investment Banker	DN	N/DJIB
42	Dow Jones Latin America Service	DN	N/LTAM
42	Dow Jones Multi-asset Trading Product Services Newswires	DN	N/MADN
42	Dow Jones Multi-Asset Advanced	DN	P/MAAD
42	Dow Jones Multi-Asset Basic	DN	P/MABA
42	Dow Jones Multi-Asset Standard	DN	P/MAST
42	Dow Jones News Service	DN	N/DJN
42	Dow Jones Equity Investor – North America	DN	N/DJEN
42	Dow Jones Equity Trading – North America	DN	N/DJRT

Sub-Address	News Service	Product ID	Content Code
42	Dow Jones Adviser Practice	DN	P/WMAI
42	Dow Jones Adviser Markets	DN	P/WMMI
42	Dow Jones North America Equities	DN	P/PSH
42	Trading Central	DN	N/TRDC
42	Dow Jones Vendor Wire	DN	N/FNVW

SN – Secondary Newswires Container Product

Sub-Address	News Service	Product ID	Content Code
51	Secondary Newswires	SN	
51	Dow Jones Calendar Live Data Feed	SN	N/DJCD
51	Dow Jones Calendar Live Data Feed (ex FX Trader Content)	SN	P/CALD
51	FX Calendar Content	SN	P/CDFX
51	Dow Jones Global Press Release Wire	SN	N/GPRW
51	UK Corporate Disclosure	SN	N/RNWS
51	MarketWatch News	SN	N/DJMW
51	MarketWatch Full Story	SN	P/MWWS
51	MarketWatch Headlines	SN	P/MWHL
51	MarketWatch Pulse Bullets	SN	P/MWPB
51	MarketWatch Bulletins	SN	P/MWBU
51	DJ Multi-asset Trading Product Services on Secondary Newswires	SN	N/MASN
51	Nikkei & Dow Jones Japan Report (English)	SN	N/DJND
51	Press Release Wires	SN	N/PREL
51	Business Wire	SN	N/BW
51	PR Newswire	SN	N/PR
51	Canadian News Wire	SN	N/CW
51	Canadian Corporate News	SN	N/CNCN
51	GlobeNewswire	SN	N/PMZN
51	MarketWire	SN	N/MKTW
51	AcessWire	SN	N/AW
51	Dow Jones Professional Investor Report	SN	N/PIR
51	DJ Reports and Alerts	SN	N/ALR
51	DJ PIR Profiles	SN	N/NPL

Sub-Address	News Service	Product ID	Content Code
51	Dow Jones Top Stories Global Equities	SN	N/TSGE
51	Zawya Dow Jones News	SN	N/ZDJ

LL – Local Language Container Product

Sub-Address	News Service	Product ID	Content Code
52	Local Languages	LL	
52	Dow Jones Arabic-Language News	LL	N/DJAR
52	Dow Jones FX Select in Arabic	LL	P/FXAR
52	Zawya Dow Jones News in Arabic	LL	P/ZDAR
52	Dow Jones Chinese Language News (All products available in Traditional, Simplified and in English Language)	LL	N/DJCH
52	DJ Chinese Financial Wire	LL	N/CFW
52	DJ Chinese Ticker (U.S.)	LL	N/TIKR
52	DJ Chinese Forex/Fixed-Income Wire	LL	N/CFF
52	DJ Chinese Online Service	LL	N/CONS
52	DJ Chinese Short-Message-Service	LL	N/SMS
52	Dow Jones Chinese FX Select	LL	P/FXCH
52	Dow Jones Nieuwsdienst Professional	LL	N/DJDU
52	Dow Jones Nieuwsdienst Advanced	LL	N/DJDA
52	Dow Jones Nieuwsdienst Web	LL	N/DJDL
52	Dow Jones French Language News	LL	N/DJFR
52	DJ Bourse Pro	LL	N/DJBP
52	DJ Bourse Web	LL	N/DJFB
52	DJ Bourse USA	LL	N/DJFA
52	DJ Bourse Open	LL	N/DJBO
52	Dow Jones French Domestic Top News	LL	P/FDTN
52	Dow Jones French Regional Top News	LL	P/FRTN
52	Dow Jones German Language Newswire	LL	N/DJGE
52	Dow Jones Compact	LL	N/DJGC
52	Dow Jones Global	LL	N/DJGG
52	Dow Jones Trade	LL	N/DJGT
52	Dow Jones Austria	LL	N/DJGU
52	Dow Jones German Domestic Top News	LL	P/GDTN

Sub-Address	News Service	Product ID	Content Code
52	Dow Jones German Regional Top News	LL	P/GRTN
52	Dow Jones FX Select in German	LL	N/DJGX
52	DJ FX Select – Farsi	LL	N/DJPE
52	MF Dow Jones Professional	LL	N/DJIT
52	MF Dow Jones Italian Domestic Top News	LL	P/IDTN
52	MF Dow Jones Italian Regional Top News	LL	P/IRTN
52	MF Dow Jones FX Select in Italian	LL	P/FXSI
52	Dow Jones Japanese News	LL	N/DJJA
52	DJ Global Equities Report – Japanese	LL	N/JEQU
52	DJ Japan Money Report	LL	N/JDRV
52	DJ China Equities Report	LL	N/JCER
52	DJ India Equities Report	LL	N/JIER
52	DJ European Equities Report – Japanese	LL	N/JEER
52	DJ World Markets Roundup – Japanese	LL	N/JWMR
52	Dow Jones Japanese FX Select	LL	P/FXJA
52	Dow Jones Korean Language Service	LL	N/DJKR
52	DJ Korean Language Code	LL	N/KRN
52	DJ English Language content on the Korean Wire	LL	N/KRNE
52	Dow Jones Portuguese Language Newswire	LL	N/DJPO
52	DJ Bolsa	LL	N/DJPL
52	DJ em Portuguese	LL	P/DJBP
52	Dow Jones FX Select in Portuguese	LL	P/PWFX
52	Dow Jones FX Select in Portuguese for Brazil	LL	P/BPFX
52	Dow Jones Spanish Language News	LL	N/DJSW
52	Dow Jones FX Select in Spanish	LL	P/SWFX
52	Dow Jones Americas en Español	LL	N/DJLA
52	EFE Dow Jones Professional	LL	N/DJSE
52	EFE Dow Jones Advanced	LL	N/DJSA
52	EFE Dow Jones Web	LL	N/DJSB
52	Dow Jones Americas en Español Web	LL	P/AWEB
52	Dow Jones Russian-Language News	LL	N/DJRU
52	Dow Jones FX Select in Russian	LL	N/RSFX
52	DJ Stocks - Russian	LL	N/RSTK

Sub-Address	News Service	Product ID	Content Code
52	AWP News	LL	N/AWP
52	AWP Top Stories-Europe-French	LL	P/TSEF
52	AWP Top Stories-Europe-German	LL	P/TSEG
52	AWP Top Stories-Switzerland-French	LL	P/TSSF
52	AWP Top Stories-Switzerland-German	LL	P/TSSG
52	Dow Jones Turkish Language Newswire	LL	N/DJTU

PB – Publication Container Product

Sub-Address	News Service	Product ID	Content Code
53	Publications	PB	
53	The Wall Street Journal Asia	PB	N/AWSJ
53	Barron's	PB	N/BRNS
53	The Wall Street Journal	PB	N/WSJ
53	Wall Street Journal Europe	PB	N/WSJE
53	Smart Money	PB	N/SMTM

Appendix B TCP/IP Transmissions Types

Dow Jones will support four types of outbound TCP/IP transmissions, as enumerated here. The abbreviation following each title (in parentheses) is our internal name for each type and will be used throughout the document for brevity and clarity.

In all cases, Dow Jones will connect to the recipient's system. The recipient's system should listen for and accept the connection from the Dow Jones news distribution systems.

B.1.1 TCP/IP, Single Socket, Unacknowledged (TCPSU)

TCPSU multiplexes all Dow Jones products that a recipient is contractually permitted to receive onto a single socket. The TCP/IP address and single port number is specified in the user interface when the recipient enters the configuration information. The address and port number is totally arbitrary. It is up to the recipient to read this single socket and de-multiplex the data. Up to five address/port pairs may be specified and the application will cycle through them, looking for an active reader.

While TCPSU handles normal line problems, it does not realize that the recipient's side has gone down until normal TCP/IP timers have expired (8 minutes). This causes a gap in the data and will require the recipient to ask for a retransmission. Note that this is not a limitation of TCPSU per se, but is a general limitation of TCP/IP.

B.1.2 TCP/IP, Single Socket, Acknowledged (TCPSA)

TCPSA multiplexes all Dow Jones products that a recipient is contractually permitted to receive onto a single socket. The TCP/IP address and single port number is specified in the user interface when the recipient enters the configuration information. The address and port number is totally arbitrary. It is up to the recipient to read this single socket and de-multiplex the data. Up to five address/port pairs may be specified and the application will cycle through them, looking for an active reader.

In addition to handling normal line problems TCPSA requires an application level acknowledgement of each story that is transmitted. Once a story is transmitted, additional stories will not be sent until the recipient acknowledges receipt of the first story. Thus, if the recipient's side goes down, no message gaps will occur once their software is restored. The acknowledgement protocol requires that the application on the recipient's side be modified. See Appendix B.2 Acknowledgement Protocol for more information.

B.1.3 TCP/IP, Multiple Socket, Unacknowledged (TCPMU)

TCPMU sends each Dow Jones product that a recipient is contractually permitted to receive on a separate socket. The TCP/IP address and a base port number are specified in the user interface when the recipient enters the configuration information. The Sub-Address (as defined in Appendix A.1 Sub-Address Allocation and Product List) is added to this base port number so the recipient knows which ports contain which products. For example, assuming a base port number of 20000, the BT product (whose Sub-Address is '5') may be found at port number 20005. The address and base port number is totally arbitrary. Up to five address/port pairs may be specified and the application will cycle through them, looking for an active reader.

While TCPMU handles normal line problems, it does not realize that the recipient's side has gone down until normal TCP/IP timers have expired (8 minutes). This causes a gap in the data and will require the recipient to ask for a retransmission. Note that this is not a limitation of TCPMU, but is a general limitation of TCP/IP.

B.1.4 TCP/IP, Multiple Socket, Acknowledged (TCPMA)

TCPMA sends each Dow Jones product that a recipient is contractually permitted to receive on a separate socket. The TCP/IP address and a base port number are specified in the user interface when the recipient enters the configuration information. The Sub-Address (as defined in Appendix A.1 Sub-Address Allocation and Product List) is added to this base port number so the recipient knows which ports contain which products. For example, assuming a base port number of 20000, the BT product (whose Sub-Address is '5') may be found at port number 20005. The address and base port number is totally arbitrary. Up to five address/port pairs may be specified and the application will cycle through them, looking for an active reader.

In addition to handling normal line problems TCPMA requires an application level acknowledgement of each story that is transmitted. This acknowledgement is transmitted on the socket, which transmitted the original story. Once a story is transmitted, additional stories will not be sent until the recipient acknowledges receipt of the first story.   Thus, if the recipient's side goes down, no message gaps will occur once their software is restored. The acknowledgement protocol requires that the application on the recipient's side be modified. See Appendix B.2 Acknowledgement Protocol below for more information.

B.2 Acknowledgement Protocol

B.2.1 Description

When the acknowledgement protocol is enabled (TCPSA, TCPMA), Dow Jones' system expects an acknowledgement message back from the recipients for each message sent to the recipients. The acknowledgement message must be sent back on the same socket on which the original message was received.

A 'C' structure describing the acknowledgement message is found below. Any 22-byte message (the size of the structure) received by the sending application is sufficient to acknowledge the previously sent message.

The sending application will wait to receive the acknowledgement for five minutes. If it does not receive one in this time period, it will assume that the reader has gone away and will attempt to reestablish the connection.

B.2.2 Code Fragments

B.2.2.1 Acknowledgement Message Structure

```
#define LENSZ           6
#define PRODIDSZ        2
#define DATESZ          8
#define SEQNUMSZ        6

typedef struct {
        char        length[LENSZ];
        char        product[PRODIDSZ];
        char        date[DATESZ];
        char        seq[SEQNUMSZ];
} ack_t;
```

Appendix C News Source

This four-byte ASCII-encoded field represents the news service on which the story is broadcast. The Broadcast Feed carries output from many different news services; some of these sources and the codes representing them are listed in the following table.

News Source	Code	Product ID
AllDow	"DJDN"	"DN"
Barron's (full text)	"BA "	"BA"
Business Wire	"BW "	"PR"
Canada News-Wire	"CW "	"PR"
Canadian Corporate News	"CNCN"	"PR"
DJ Corporate Filings Alert (Federal Filings)	"FF "	"FF"
DJ Professional Investor Report – Profiles	"PI "	"PI"
DJ Professional Investor Report – Reports and Alerts	"PI "	"PI"
Dow Jones Institutional News	"DJG "	"GM"
Dow Jones Investment Banker	"DJIB"	"IB"
Dow Jones Top Stories Global Equities	"TSGE"	"TG"
Dow Jones Arabic Language Newswire	"DJAR"	"AR"
Dow Jones Asian Equities Report	"AER "	"AE"
Dow Jones Australia/New Zealand Report	"DJAN"	"AN"
Dow Jones Calendar Live Wire	"DJCD"	"CD"
Dow Jones Chinese Language News	"DJCH"	"CH"
Dow Jones Commodities Service	"DJCS"	"CS"
Dow Jones Energy Service	"NRG "	"ES"
Dow Jones French Language News	"DJFR"	"FR"
Dow Jones FX Trader	"FXTR"	"FX"
Dow Jones German Language Newswire	"DJGE"	"GE"
Dow Jones Global FX & Fixed Income News	"CM "	"CM"
Dow Jones Global News Select	"DJON"	"ON"
Dow Jones International Newswires	"FW "	"DI"
Dow Jones Japanese Language News	"DJJA"	"JA"
Dow Jones Korean Language Services	"DJKR"	"KR"
Dow Jones News Service (DJNS, "Broad Tape")	"T "	"BT"
Dow Jones Nieuwsdienst Professional	"DJDU"	"DU"
Dow Jones Portuguese Language News	"DJPW"	"PT"
Dow Jones Russian Language News	"DJRU"	"RX"
Dow Jones Secondary Newswires	"DJSN"	"SN"
Dow Jones Spanish Language News	"DJSW"	"SW"
Dow Jones Turkish Language Newswire	"DJTU"	"TU"
Local Languages	"DJLL"	"LL"

News Source	Code	Product ID
MarketWatch News	"DJMW"	"MW"
MarketWire	"MKTW"	"PR"
MF Dow Jones Professional	"DJIT"	"IT"
Nikkei Dow Jones	"DJND"	"ND"
PR News Wire	"PR "	"PR"
PrimeZone	"PMZN"	"PR"
Publications	"DJPB"	"PB"
Regulatory News Service	"RNS "	"RN"
The Wall Street Journal (full text)	"WJ "	"WJ"
The Wall Street Journal Asia	"AWSJ"	"WA"
The Wall Street Journal Europe	"WSJE"	"WE"
Zawya Dow Jones News Service	"ZDJ "	"ZW"

Appendix D DTD Document

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- Copyright 2010, Dow Jones & Company, Inc.  -->

<!--
      SCCS status info: %W%    %E%

Revision History:

      Version 1.0a - 2001/06/01 - First Release
      Version 1.0b - 2003/04/04 - Add support for multi-line headlines
      Version 1.0b - 2005/06/29 - Added language "ru"
      Version 1.0b - 2007/08/20 - Added djn-function
      Version 1.0c - 2009/07/02 - Added summary; Added japanese, chinese,
arabic
      Version 1.0d - 2009/09/15 - Added derived data section
      Version 1.0f - 2010/01/13 - Added turkish, greek
      Version 1.0g - 2010/07/23 - Added korean, farsi
      Version 1.0h - 2010/12/01 - Added supplemental-coding section
      Version 1.0i - 2012/04/02 - Updated DJN-Languages
      Version 1.0j - 2012/10/03 - Added significance markup
-->

<!-- ********************************************************************** -->

<!-- The following entities are lists of legal values.  -->

<!ENTITY % DJN-Publishers "DJN">
<!ENTITY % DJN-MCodes "0">
<!ENTITY % DJN-HeadlineBrands "DJ">
<!ENTITY % DJN-Urgency "0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9" >
<!ENTITY % DJN-Flag "Y | N" >
<!ENTITY % DJN-Temp-Perm "T | P" >
<!ENTITY % DJN-Retention "N | X" >
<!ENTITY % DJN-PressCut " S | N | T" >

<!-- ISO639'-'ISO3166 -->
<!ENTITY % DJN-Languages "ar | zh | zh-cn | zh-tw | nl | en-us | fa | pe | fr
| de | el | it | ja | ko | pt | ru | es | tr">

<!-- ********************************************************************** -->
<!-- ********************************************************************** -->

<!-- xml: namespaced and very common attributes we recognize widely -->

<!ENTITY % xml "id ID #IMPLIED
      xml:lang ( %DJN-Languages; ) 'en-us'
      xml:dir (ltr | rtl) #IMPLIED
" >

<!ENTITY % xlink
      "xmlns:xlink CDATA #FIXED 'http://www.w3.org/1999/xlink'
      xlink:type (simple|extended|locator|arc) 'simple'
```

```
        xlink:role CDATA #IMPLIED
        xlink:arcrole CDATA #IMPLIED
        xlink:title CDATA #IMPLIED
        xlink:show (new|replace|embed|undefined) #REQUIRED
        xlink:actuate (onRequest|onLoad|undefined) 'onRequest'
        xlink:href CDATA #REQUIRED
        xlink:to CDATA #IMPLIED
        xlink:from CDATA #IMPLIED
" >

<!-- ******************************************************************** -->
<!-- ******************************************************************** -->

<!-- Things we allow in "text" -->

<!ENTITY % text "#PCDATA | a | p | pre" >

<!-- ******************************************************************** -->
<!-- doc : The root element -->

<!ELEMENT doc (djnml)>
<!ELEMENT djnml (administration?, (head, body)?)>

<!-- ******************************************************************** -->
<!-- Administrative messages -->

<!ELEMENT administration (
      doc-retransmission?
      , bulk-download?
      , line-check?
      , (good-day?
            | blast-complete?
            | (doc-delete*
                  , operational-notice*
                  , doc-modify*
              )
        )
)>

<!ELEMENT line-check EMPTY>
<!ELEMENT blast-complete EMPTY>
<!ELEMENT doc-retransmission EMPTY>
<!ELEMENT doc-delete EMPTY>
<!ELEMENT operational-notice (#PCDATA)>
<!ELEMENT bulk-download EMPTY>
<!ELEMENT good-day EMPTY>

<!ELEMENT doc-modify (modify-replace)* >
<!ELEMENT modify-replace (
      djn-press-cutout
      | djn-urgency
      | djn-mdata
      | text
      | headline
      | summary
)>
```

```
<!-- **************************************************************** -->
<!-- head: Doc info and other data in support of the document -->

<!ELEMENT head (copyright?, docdata)>
<!ELEMENT copyright (#PCDATA)>
<!ELEMENT docdata (djn)>

<!-- **************************************************************** -->
<!-- djn: Dow Jones Newswires Composite Feed 5/6 document keys -->

<!ELEMENT djn (djn-newswires)>
<!ELEMENT djn-newswires (
      djn-press-cutout
      , djn-urgency
      , djn-mdata
      , djn-internal?
)>
<!ELEMENT djn-press-cutout (#PCDATA)>
<!ELEMENT djn-urgency (#PCDATA)>
<!ELEMENT djn-mdata (
      djn-derived-data?
      , djn-coding
      , supplemental-coding*
      , byline*
      , dateline?
)>
<!ELEMENT djn-coding (
      djn-company?
      , djn-company-sig?
      , djn-isin?
      , djn-isin-sig?
      , djn-industry?
      , djn-government?
      , djn-page?
      , djn-subject?
      , djn-market?
      , djn-product?
      , djn-geo?
      , djn-stat?
      , djn-journal?
      , djn-routing?
      , djn-content?
      , djn-function?
)>
<!ELEMENT djn-company (c)* >
<!ELEMENT djn-company-sig (c)* >
<!ELEMENT djn-isin (c)* >
<!ELEMENT djn-isin-sig (c)* >
<!ELEMENT djn-industry (c)* >
<!ELEMENT djn-government (c)* >
<!ELEMENT djn-page (c)* >
<!ELEMENT djn-subject (c)* >
<!ELEMENT djn-market (c)* >
<!ELEMENT djn-product (c)* >
<!ELEMENT djn-geo (c)* >
```

```
<!ELEMENT djn-stat (c)* >
<!ELEMENT djn-journal (c)* >
<!ELEMENT djn-routing (c)* >
<!ELEMENT djn-content (c)* >
<!ELEMENT djn-function (c)* >
<!ELEMENT c (#PCDATA) >

<!ELEMENT djn-internal (#PCDATA)>


<!-- Supplemental coding -->
<!ELEMENT supplemental-coding (organization*) >
<!ELEMENT organization (
      djn-orgid?
      , ticker?
      , cusip?
      , isin?
      , sedol?
      , sp-gvkey?
      , sp-iid?
)>
<!ELEMENT djn-orgid (#PCDATA) >
<!ELEMENT ticker (#PCDATA) >
<!ELEMENT cusip (#PCDATA) >
<!ELEMENT isin (#PCDATA) >
<!ELEMENT sedol (#PCDATA) >
<!ELEMENT sp-gvkey (#PCDATA) >
<!ELEMENT sp-iid (#PCDATA) >


<!-- Derived data or DJ Lexicon -->
<!ELEMENT djn-derived-data (djn-wordcount) >
<!ELEMENT djn-wordcount (djn-take, djn-dictionary*) >
<!ELEMENT djn-take (djn-headline, djn-body) >
<!ELEMENT djn-dictionary (djn-headline, djn-body) >
<!ELEMENT djn-headline (term*) >
<!ELEMENT djn-body (term*) >
<!ELEMENT term (#PCDATA) >

<!-- ****************************************************************** -->
<!-- body: The item itself -->

<!ELEMENT body (headline, text, summary*)>

<!ELEMENT headline (#PCDATA | hl1 | hl2)*>
<!ELEMENT hl1 (#PCDATA)>
<!ELEMENT hl2 (#PCDATA)>

<!ELEMENT byline EMPTY>
<!ELEMENT dateline (#PCDATA)>
<!ELEMENT text (%text;)*>
<!ELEMENT summary (%text;)*>

<!-- ****************************************************************** -->
<!-- text: Text blocks -->

<!ELEMENT pre (#PCDATA)>
<!ELEMENT p (%text;)*>
```

```
<!-- ******************************************************************* -->
<!-- phrases: things within text blocks -->

<!ELEMENT a (#PCDATA) >

<!-- ******************************************************************* -->
<!-- ******************************************************************* -->
<!-- ******************************************************************* -->

<!-- attributes -->

<!ATTLIST doc
      DTDVersion CDATA #FIXED "DJNML-XML 1.0a"
      DTDModified CDATA #FIXED "20010329T1500Z"
      msize CDATA #REQUIRED
      md5 CDATA #IMPLIED
      transmission-date CDATA #REQUIRED
      destination CDATA "AW"
      distId CDATA #IMPLIED
      sysId CDATA #IMPLIED
>
<!ATTLIST djnml
      %xml;
      docdate CDATA #REQUIRED
      publisher ( %DJN-Publishers; ) "DJN"
      product CDATA #REQUIRED
      seq CDATA #REQUIRED
>
<!ATTLIST doc-retransmission
      docdate CDATA #REQUIRED
      publisher (DJN) "DJN"
      product CDATA #REQUIRED
      seq CDATA #REQUIRED
      done (0|1) #IMPLIED
>
<!ATTLIST good-day
      docdate CDATA #REQUIRED
      publisher ( %DJN-Publishers; ) "DJN"
      product CDATA #REQUIRED
      last-seq CDATA #IMPLIED
      type (morning|night) #REQUIRED
>
<!ATTLIST doc-delete
      docdate CDATA #REQUIRED
      publisher (DJN) "DJN"
      product CDATA #REQUIRED
      seq CDATA #REQUIRED
      reason (expire|not-available|purge) "purge"
>
<!ATTLIST doc-modify
      docdate CDATA #REQUIRED
      publisher (DJN) "DJN"
      product CDATA #REQUIRED
      seq CDATA #REQUIRED
>
```

```
<!ATTLIST modify-replace
      xpath CDATA #REQUIRED
>
<!ATTLIST bulk-download
      state (begin|end) #REQUIRED
>
<!ATTLIST operational-notice
      mcode ( %DJN-MCodes; ) "0"
>

<!-- Derived data attributes -->
<!ATTLIST djn-take
      total-words CDATA #REQUIRED
>
<!ATTLIST djn-dictionary
      short-name CDATA #REQUIRED
      version CDATA #REQUIRED
>
<!ATTLIST djn-headline
      total-words CDATA #REQUIRED
>
<!ATTLIST djn-body
      total-words CDATA #REQUIRED
>
<!ATTLIST term
      count CDATA #REQUIRED
      pos-info CDATA #IMPLIED
>

<!-- Supplemental coding attributes -->
<!ATTLIST supplemental-coding
      source CDATA #REQUIRED
>
<!ATTLIST djn-orgid
      id CDATA #REQUIRED
>
<!ATTLIST ticker
      id CDATA #REQUIRED
>
<!ATTLIST cusip
      id CDATA #REQUIRED
>
<!ATTLIST isin
      id CDATA #REQUIRED
>
<!ATTLIST sedol
      id CDATA #REQUIRED
>
<!ATTLIST sp-gvkey
      id CDATA #REQUIRED
>
<!ATTLIST sp-iid
      id CDATA #REQUIRED
>

<!-- Significance: Mentioned, About, Significant, Turning point -->
```

```
<!ATTLIST c
      mentioned (Y|N) #IMPLIED
      about (Y|N) #IMPLIED
      significant (Y|N) #IMPLIED
      tpoint (Y|N) #IMPLIED
>

<!-- ***************************************************************** -->
<!-- ***************************************************************** -->

<!ATTLIST body
      %xml;
>
<!ATTLIST p
      %xml;
>
<!ATTLIST pre
      %xml;
>
<!ATTLIST a
      %xml;
      %xlink;
>
<!ATTLIST headline
      %xml;
      prefix CDATA #IMPLIED
      brand-display CDATA #IMPLIED
>
<!ATTLIST copyright
      year CDATA #IMPLIED
      holder CDATA #IMPLIED
>
<!ATTLIST djn-newswires
      news-source CDATA #REQUIRED
      origin CDATA "DJ"
      service-id CDATA "CO"
>
<!ATTLIST djn-mdata
      brand CDATA "DJN"
      temp-perm ( %DJN-Temp-Perm; ) "P"
      retention ( %DJN-Retention; ) "N"
      hot ( %DJN-Flag; ) "N"
      original-source CDATA #REQUIRED
      accession-number CDATA #REQUIRED
      page-citation CDATA #IMPLIED
      display-date CDATA #REQUIRED
>
<!ATTLIST text
      %xml;
>
<!ATTLIST summary
      %xml;
>
<!ATTLIST byline
      name CDATA #REQUIRED
      title CDATA #IMPLIED
```

```
     org CDATA #REQUIRED
     phone CDATA #IMPLIED
     email CDATA #IMPLIED
>
<!-- The End -->
```

Appendix E Character Sets

Dow Jones publish English Language as well as the non-English Language products using the standard 7-bit ASCII Character Set. However, Entities will be used to represent characters above 127 that are not available in the standard 7-bit ASCII Character Set.

Entity example: "Avión" will be represented as "Avión"

NOTE Entities will be used for text of some English Language products supported using 8-bit ISO-8859-1 Character Set.

In addition to using the standard 7-bit-ASCII Character sets, the following Character sets will be used to support non-English products:

Local Language	Content Code	Character Set
Arabic	N/DJAR	UTF-8 (*)
Chinese	N/DJCH	GB2312 (*), Big5 (*), UTF-8
Dutch	N/DJDU	ISO-8859-1, UTF-8
French	N/DJFR	ISO-8859-1, UTF-8
German	N/DJGE	ISO-8859-1, UTF-8
Italian	N/DJIT	ISO-8859-1, UTF-8
Japanese	N/DJJA	Shift_JIS (*), UTF-8
Korean	N/DJKR	EUC-KR (*), UTF-8
Portuguese	N/DJPO	ISO-8859-1, UTF-8
Russian	N/DJRU	Windows-1251, UTF-8
Spanish	N/DJSW	ISO-8859-1, UTF-8
Swiss	N/AWP	ISO-8859-1, UTF-8
Turkish	N/DJTU	ISO-8859-9, UTF-8

* Character sets used for native language translation. These are not entities.

Appendix F Best Practice Recommendation

Real-time Scrolling Headline View:

Hot stories are visually indicated.

Display time from "display-date" attribute <djn-mdata>.

Full Story view:

DOW JONES

close window

18 Jun 2014 15:54 EDT **DJ What Amazon's Fire Phone Means for Apple -- WSJ Blog**

By Steven Russolillo

The short answer: not much.

At least that's the takeaway from perennial Apple Inc. bull Brian White, an analyst at Cantor Fitzgerald, who commented immediately after Amazon.com Inc. unveiled its long-awaited smartphone that thrusts it into the highly competitive handset market.

"Although we expect the Fire Phone to receive plenty of media coverage, we do not anticipate any impact to Apple's iPhone franchise," Mr. White wrote in a note to clients. "With a long history in computing, we believe Apple is unique in its ability to develop hardware, software and services that work together seamlessly."

The Fire Phone boasts a 4.7-inch screen, a 13 megapixel camera and earphones that resist tangling, among other features, CEO Jeff Zezos said at an event at Amazon's headquarters. But Amazon has a long road ahead as it forges its way into a market long dominated by Apple and Samsung Electronics Co.

As Mr. White notes, Google generated plenty of buzz when it launched Nexus One in early 2010 as well as new products from Motorola Mobility more recently.

"History has proven that entering the mobile device market is tough," Mr. White says. "In our view, today's announcement represents another attempt by Internet-related players to compete in the mobile device world. These initiatives have left Apple unscathed in recent years."

Apple shares were roughly flat at $92.14. The stock is up about 15% this year. Mr. White, who rates the stock a buy, has a $111 price target on Apple.

Amazon shares rose 2.8% to $334.75. The stock is down 16% this year.

More at The Wall Street Journal's MoneyBeat blog, http://blogs.wsj.com/moneybeat/

(END) Dow Jones Newswires

June 18, 2014 15:54 ET (19:54 GMT)

Copyright (c) 2014 Dow Jones & Company, Inc.

Story Chaining View – when user selects the first take

Story Chaining View – when user selects the 2nd take

12 Jun 2014   Latest Date / Time
⬆ 13:09   DJ Dir BYRD Buys 925 Of EAGLE FINANCIAL SERVICES INC >EFSI
   13:09   Press Release: Addex Therapeutics Publishes -2-
   13:09   Press Release: Addex Therapeutics Publishes Annual General Meeting Agenda
   13:08   DJ CME Group Agricultural Estimated Volumes At 1:00 P.M. EDT
   13:08   DJ Norwood Financial Files 8K - Other Events >NWFL
   13:07   DJ NYSE Stock Transactions At 1:06PM
   13:07   DJ Handy And Harman Silver, Platinum, Palladium Prices - Jun 12
   13:07   DJ Zumbrota, Minn Hog Market Steady at $76 - Jun 12
   13:07   DJ Moody's Affirms Ingalls Health System (IL) Baa1; Outlook Stable
   13:06   DJ Obama Says He Won't Rule Out Any Type of Help for Iraq
   13:06   DJ ICE Gas Oil/Brent Crude Oil/WTI Open Interest - Jun 12
   13:05   *DJ Shell Suspends Production at East Area Field in Nigeria's Delta
   13:05   DJ Zurich Most Actives
   13:05   Press Release: Baidu Mobile Security App Receives Perfect Score From AV-TEST Labs
   13:05   Press Release: CI Financial announces election of directors and results of annual and special meeting of
           shareholders
   13:05   DJ NY Merchant Tin Price Indications - Jun 12
   13:05   *DJ Shell Shuts 40,000 Barrels of Oil a Day in Nigeria as It Declares Force Majeure
   13:05   Press Release: Besomebody, Inc. Closes $1 Million Seed Funding Round from Scripps to Build Platform for
           Passion
   13:04   DJ AMD Names New Operating Chief, Consolidates Segments -- Update
   13:04   Press Release: S&P Rates Envision Healthcare's $650M Unsecured Notes 'B'
⬇   Latest Date / Time

 dowjonesnews.com/newdjn/story.aspx?StoryID=DN20140612007646&TakeNo=2

12 Jun 2014 13:05 EDT *DJ Shell Suspends Production at East Area Field in Nigeria's Delta   ⬆ top

(MORE TO FOLLOW) Dow Jones Newswires

June 12, 2014 13:05 ET (17:05 GMT)

Copyright (c) 2014 Dow Jones & Company, Inc.

12 Jun 2014 13:28 EDT **DJ Shell Shuts 40,000 Barrels of Oil a Day in Nigeria, Declares Force   ⬆ top
Majeure

By Obafemi Oredein

IBADAN, Nigeria--Royal Dutch Shell PLC's (RDSA, RDSA.LN) Nigerian unit said Thursday it has declared force majeure on offtakes from its East Area blend in Nigeria's Niger Delta after it suspended production at the field to repair a platform.

"Some 40,000 barrels of oil per day of production is deferred," Shell Petroleum Development Co. of Nigeria Ltd. spokesman Precious Okolobo said.

Mr. Okolobo said recent bad weather offshore caused damaged, necessitating the shutdown of the facility.

Force Majeure is declared when a company is unable to fulfill its contractual obligations to deliver crude or gas due to circumstances beyond its control.

He said the platform connects the floating production storage and the offloading vessel with the mooring platform.

The East Area field is located south west of Warri. Warri is in Nigeria's Niger Delta region, where most of the country's oil is produced.

(END) Dow Jones Newswires

June 12, 2014 13:28 ET (17:28 GMT)

Copyright (c) 2014 Dow Jones & Company, Inc.

Tabular Data story view:

Headline only story (News articles that do not contain story text) view: