

# NewsML 1.2 Publisher PUSH API documentation

## 1.1. Introduction

This document describes how you can receive NewsML 1.2 files of announcements published at Via Ritzau in Denmark, Via TT in Sweden, NTB info in Norway or STT Info in Finland. The four mentioned systems are all based on the same software called *PRS*. PRS provides the NewsML 1.2 files, the APIs and platform to connect your system to.

This document explains how to set up your end of the integration and what kind of data you'll be able to receive.

PRS can currently push out NewsML 1.2 formatted announcements using following transfer methods:

**HTTP(s)** POST request to your **HTTP** endpoint **FTP upload** to your **FTP** server or **Explicit FTPS** server Please observe the following limitations: You can define multiple endpoints with different protocols, but a single API connection can only employ one of the supported transfer methods. The API connection *cannot* be disabled or enabled on an announcement-by-announcement basis. When the connection is enabled, all announcements published by you will be distributed to the enabled API channel. The FTP upload mechanism only supports *passive* mode FTP transfers. PRS tries to explicitly switch each FTP connection into secure mode (Explicit FTPS). The upload continues as plain FTP if Explicit FTPS is not available . **1.1.1.1. Version history**

### Date Author Changes

29.05.2019

1. 2.

Aku Häsänen

Initial version of the documentation.

16.07.2019

Aku Häsänen

Some minor presentation changes.

16.09.2019

Ari Autio Documentation for Explicit FTPS (FTP over TLS) added.

02.01.2020

Aku Häsänen

Added "London Stock Exchange" as a valid value for the Exchange property. Added a new Metadata property called "Extra Information" that may be used with LSE.

7.1.2020 Ari Autio HTML info section now includes information about the encodings, html character entity references and xml character entity references.

### 1.1.1.2. Contact information

Assistance and further information about the NewsML 1.2 format and the PUSH API integrations is available through our help desks.

#### Agency E-mail Phone Opening hours

NTB [kundesenter@ntb.no](mailto:kundesenter@ntb.no) +47 22 00 32 00 Mon-Thu 08.30-16.30 CET

Friday 08.30-16.00 CET

STT [tiedote@stt.fi](mailto:tiedote@stt.fi) +358 9 6958 1286 Mon-Fri 08.00-15.30 CET

TT [sales@tt.se](mailto:sales@tt.se) +46 8692 2615 Mon-Fri 08.00-12.00 / 13.00-17.00 CET

Ritzau [helpdesk@ritzau.dk](mailto:helpdesk@ritzau.dk) +45 333 00 483 Mon-Thu 08.00-17.00 CET

Fri 08.00-16.30 CET

## 1.2. HTTP PUSH: Receiving NewsML 1.2 files to an HTTP endpoint

To receive NewsML 1.2 files as announcements are published you can set up an HTTP endpoint. PRS sends HTTP POST requests to your endpoint whenever new announcements are published. The following table lists the system requirements for such a connection.

### Requirement Description

URL for NewsML 1.2 HTTP endpoint

HTTP address where PRS sends HTTP POSTs. The address must have a public ip address or domain name which is accessible from the PRS Nordic platform server ( **95.175.111.117** ). PRS sends HTTP POST requests with the NewsML 1.2 XML files embedded in the request body to this URL. The Content-Type is set as *application/xml; charset=utf-8*

X-API-KEY *Optional* api key for authorization. PRS includes the key in HTTP header X-API-KEY. You should use this to authenticate & authorize the incoming request.

HTTP response statuses

statuses from the endpoint are expected:

200 - request was ok. You have successfully received

If PRS is unable to connect to the endpoint it will retry a few times before considering the distribution to your endpoint as a failed one.

not retry. PRS considers the distribution to your endpoint as a failed one. PRS does not retry. PRS considers the distribution to your endpoint as a failed one. PRS retries a few times. After a few failed attempts PRS considers the distribution to your endpoint as a failed one.

### 1.3. FTP Upload: Receiving NewsML 1.2 files to an FTP or Explicit FTPS server

PRS can upload NewsML 1.2 XML files to your FTP or Explicit FTPS server whenever announcements are published. The following table lists the system requirements for such a connection.

#### Requirement Description

FTP server address	FTP server credentials
ML 1.2 files. The address must be a public ip address or domain name which is accessible (11.117). Server must support either FTP or Explicit FTPS (FTP over TLS). PRS tries to secure mode (Explicit FTPS). The upload continues as plain FTP if Explicit FTPS is not	

The XML filename starts with the word "announcement" and include an identifier for the sender agency (e.g. "stt"), unique identifier for the announcement and a timestamp in milliseconds. To give an example, the filename for announcement 123456 sent out from STT Info on Wednesday, 29 May 2019 07:31: 20 UTC would be *announcement-stt-123456-1559115080217.xml*.

### 1.4. Setting up a new PUSH API connection

To set up a new PUSH API connection, you need to contact the respective agency's help desk and provide them with the required connection details (described above). In addition to the connection requirements, you may also supply a name for the API. The name will be used to identify the API connection in the system and it will be visible in various views and phases of the announcement publication process. You will also be able to alter the name later without assistance from the agency help desk.

#### 1.4.1. Testing the connection

Once the API connection has been added, it will be visible in the "API connections" section of your IR settings view. Here you will be able to rename the API and/or perform a connectivity test to the API endpoint. **Please note that the connectivity test makes an actual HTTP POST request/FTP upload - make sure that the uploaded file is not further processed by the receiver when testing!** The test will upload a technically valid example NewsML 1.2 file that contains test (*"lorem ipsum", "this is a test" type of*) material not related to any actual announcement. In case the connectivity test fails, you will see a technical error message that may help you to troubleshoot the problem. The message will reflect the actual response our server got when attempting to push out the example NewsML 1.2 XML file.

To make any changes to the API endpoint address or credentials, please contact the agency help desk.

### 1.5. NewsML 1.2 format

This documentation has the information about the NewsML-format provided by PRS. The format is used to transfer published announcements to 3rd party systems and websites. The format might see additions in the future: new elements and attributes might be added - thus receivers should be aware that this is subject to change. **Do not crash your program if you encounter new elements or attributes**. A NewsML document can contain one or multiple announcements. If announcement has been written in multiple languages, then those are included as well. The document provides the announcement as HTML and a link to downloadable PDF. All attachments of the announcement are included as links to PRS servers.

The figure below displays the overall structure of the XML files with all available elements and attributes.

### 1.5.1.1. NewsML

NewsML is a widely used and standardised format in the media & news industry. There are two versions of NewsML 1.2 and NewsML-G2. PRS is compatible with NewsML 1.2, but not with NewsML-G2. The full documentation and specification of and the organisation [NewsML 1.2 is available here](#) responsible for the standard has a website at . Development resources are also available at <https://iptc.org/standards/newsml-1/> <http://dev.iptc.org> . /NewsML1

NewsML 1.2 has a concept of . Such vocabularies are not declared within the XML documents generated by PRS. Please refer to *controlled vocabularies* this documentation instead to understand the meaning and purpose of each XML element and attributes.

## 1.6. Purpose and meaning of each XML element used

### 1.6.1.1. <NewsML>

<NewsM  
L

```
Version="1.2" xmlns="http://iptc.org/std/NewsML/2003-10-10/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://iptc.org/std/NewsML/2003-10-10/ https://www.iptc.org/std/NewsML/1.2/specification /NewsML_1.2-xmlschema_4.xsd">
```

```
<NewsEnvelope>
  <!-- ... -->
</NewsEnvelope>
<NewsItem>
  <!-- ... -->
</NewsItem>
<NewsItem>
  <!-- ... -->
</NewsItem>
<NewsItem>
  <!-- ... -->
</NewsItem>
<NewsItem>
```

<!-- ... -->  
</NewsItem> </NewsML>

The root element of each XML document is <NewsML> . It encloses the metadata and the actual content of one or more announcements and their language versions. The structure is compatible with NewsML 1.2 XML Schema.

#### **Element / Attribute**

##### **Presence Description**

NewsEnvelope Exactly one element is always present

Contains information about this particular transmission of the NewsML document.

NewsItem One or more elements are

always present

Contains all the information about a announcement in a specific language and any metadata related to it.

The amount of NewsItem-elements matches the amount announcements plus the languages each announcement has been published in.

#### **1.6.1.2. <NewsML> <NewsEnvelope>**

<NewsEnvelope>

<DateTime>20181128T103701+0100</DateTime> <NewsProduct FormalName="nordicir.com" /> </NewsEnvelope>

A <NewsEnvelope>

is used to provide information associated with the transmission. **Element / Attribute**

##### **Presence Description**

DateAndTime Exactly one element is

always present

This timestamp specifies when distribution of the XML file started. This is not the same thing as the publication date of the announcement.

To see the publication date of the announcement see the documentation of NewsML NewsItem NewsManagement

NewsProduct Exactly one element is

always present

This element identifies the product used to publish the announcement. The *FormalName* -attribute has a static value of "nordicir.com".

#### **1.6.1.3. <NewsML> <NewsItem>**

<NewsItem>

<Identification> <!-- ... --> </Identification> <NewsManagement> <!-- ... --> </NewsManagement> <NewsComponent>  
<!-- ... --> </NewsComponent> </NewsItem>

A <NewsItem> contains all the information related to the announcement and its disclosure. A NewsItem is language-specific. You can see the language from path NewsItem NewsComponent DescriptiveMetadata Language FormalName

#### **Element / Attribute**

##### **Presence Description**

Identification Exactly one element is always present

Contains identification information of the announcement and the revision of it.

NewsManagement Exactly one element is always present

Tells when the announcement was made public. A publication date is found from within this element.

NewsComponent Exactly one element is always present

Contains the actual content of the announcement and any sorts of classifications related to it.

#### **1.6.1.4. <NewsML> <NewsItem> <Identification>**

<Identification>

<NewsIdentifier>

<ProviderId>nordicir.com</ProviderId> <DateId>20181128</DateId> <NewsItemId>ritzau:20181128:1231212-en</NewsItemId> <RevisionId

PreviousRevision="0" Update="N">1</RevisionId> <PublicIdentifier>urn:newsml:ritzau:20181128:1231212-en:1</PublicIdentifier> </NewsIdentifier>

</Identification>

A <Identification> always contains an <NewsIdentifier>

which provides identification information of the announcement being distributed. **Element / Attribute**

##### **Presence Description**

NewsIdentifier

ProviderId

Exactly one element is always present

This element has always a static value of "nordicir.com"

NewsIdentifier

DateId

Exactly one element is always present

The element contains the short format of the publication date of the announcement.

NewsIdentifier

NewsItemId

Exactly one element is always present

Contains a unique id for this announcement and the language. The id is a combination of news agency identifier, *DateId* a unique number for the announcement and the language version contained within this *NewsItem*. The following news agency identifiers are used as a part of the id:

ritzau viatt ntb stt

NewsIdentifier

RevisionId

PRS does not send updates to previously distributed revisions. Thus the element always has a value *1* for the *RevisionId* with *PreviousRevision* as *0* and *Update* as *N*. NewsIdentifier

PublicIdentifier

Exactly one element is always present

Contains a globally unique public id for this news item. This is *NewsItemId* with a prefix *urn:newsml* and a postfix of the revision number.

#### 1.6.1.5. <NewsML> <NewsItem> <NewsManagement>

<NewsManagement>

<NewsItemType FormalName="News" /> <FirstCreated>20181128T103618+0100</FirstCreated>

<ThisRevisionCreated>20181128T103618+0100</ThisRevisionCreated> <Status FormalName="Usable" /> <Urgency FormalName="4" />

</NewsManagement>

The publication date of the announcement is found within <NewsManagement>

##### Element / Attribute

Exactly one element is always present

##### Presence Description

NewsItemType Exactly one element is

always present

Always contains the value *News* for the *FormalName* -attribute. FirstCreated Exactly one element is

always present

Contains the publication date and time of the announcement.

ThisRevisionCreated

Exactly one element is

PRS does not send updates to previously distributed revisions. Thus the value of *ThisRevisionCreated* always present

is always the same as the *FirstCreated*. Status Exactly one element is

always present

Always contains the value *Usable* for the *FormalName*

-attribute.

Always Urgency Exactly one element is

contains the value *4* for the *FormalName* -attribute. always present

#### 1.6.1.6. <NewsML> <NewsItem> <NewsComponent>

<NewsComponent> <NewsLines> <!-- ... --> </NewsLines> <AdministrativeMetadata> <!-- ... --> </AdministrativeMetadata> <DescriptiveMetadata>

<!-- ... --> </DescriptiveMetadata> <Metadata>

<MetadataType FormalName="Securities Identifier" /> <!-- ... --> </Metadata>

<Metadata> <MetadataType FormalName="Websites" /> <!-- ... --> </Metadata> <ContentItem Euid="announcement\_html"> <!-- ... --> </ContentItem>

<ContentItem Euid="announcement\_pdf" Href="https://via.ritzau.dk/announcement-api/public/v1/pdf/132/en"> <!-- ... --> </ContentItem> <ContentItem>

<!-- ... --> </ContentItem> </NewsComponent>

A <NewsComponent> wraps the actual announcement content with some metadata about it. It also includes all attachments of the announcement, if there are any.

##### Element / Attribute

##### Presence Description

NewsLines Exactly one element is

always present

Contains some natural language labels of the announcement.

AdministrativeMetadata

Exactly one element is always present

Contains the information about the company who published the announcement.

Descriptive Metadata

Exactly one element is

Contains both the language of the announcement distributed within this *NewsItem* and the country of the always present announcement.

Metadata One <Metadata> for

"Websites" is always present.

Zero or more <Metadata> for "Securities identifier" can be present.

Contains additional metadata and information about the related securities and the URL of the announcement.

Each <NewsComponent> always contains one <Metadata> for "Websites". Usually one <Metadata> for "Securities Identifier" is included, but there can also be situations where the amount of "Securities Identifier" < Metadata>

-elements is zero or more than one.

#### ContentItem with Euid

The actual announcement content is distributed with two different formats. Each of the formats is included within a *ContentItem*

-element with a Euid specifying the format. <ContentItem Euid="announcement\_html"> provides the announcement as an embedded html markup.

<ContentItem Euid="announcement\_pdf"> provides an link to an address from where a pdf presentation of the announcement can be downloaded.

The *Euid*- attribute specifies which kind of a format of the announcement is included within the *ContentItem* holds. Each Euid is present once in the XML document.

These are the valid values for *Euid*

s: *announcement\_html announcement\_pdf*

#### ContentItem without Euid

Exactly **two** elements are always present.

Zero or more elements can be present.

Each announcement can have zero or more attachments: PDF files, excel sheets, images, Word documents and so on. All these attachments are listed in additional *ContentItem* -elements without a *Euid* -attribute. **1.6.1.7. <NewsML> <NewsItem> <NewsComponent> <NewsLines>**

<NewsLines>

<HeadLine>This is the title of the announcement</HeadLine> <DateLine>11.28.2018 10:36 CET</DateLine> <ByLine>Acme Company A/S</ByLine>

</NewsLines>

The <NewsLines>

-element expose aspects of the announcement as natural-language labels. **Element / Attribute**

#### Presence Description

HeadLine Exactly one element is always present

Title of the announcement written in the language provided in this *NewsItem* . You must include the title when presenting the announcement.

DateLine Exactly one element is

always present

Publication date of the announcement written in format "DD.MM.YYYY hh:mm TZD"

ByLine Exactly one element is

always present

Name of the company who published the announcement.

#### 1.6.1.8. <NewsML> <NewsItem> <NewsComponent> <AdministrativeMetadata>, <DescriptiveMetadata> and <Metadata>

<AdministrativeMetadata>

<Source>

<Party FormalName="Acme Company A/S" /> </Source> </AdministrativeMetadata> <DescriptiveMetadata>

<Language FormalName="en" /> <Property FormalName="Country" Value="DK" /> </DescriptiveMetadata> <Metadata>

<MetadataType FormalName="Securities Identifier" /> <Property FormalName="Exchange" Value="Main Market, Copenhagen" />

<Property FormalName="Message Category" Value="Net Asset Value"/> <Property FormalName="ISIN" Value="DK0378331005" /> </Metadata>

<Metadata>

<MetadataType FormalName="Securities Identifier" /> <Property FormalName="Exchange" Value="Oslo Stock Exchange" />

<Property FormalName="Message Category" Value="Annual financial and audit reports"/> <Property FormalName="ISIN" Value="DK0378331005" />

</Metadata> <Metadata>

<MetadataType FormalName="Securities Identifier" /> <Property FormalName="Exchange" Value="London Stock Exchange" /> <Property

FormalName="Message Category" Value="Offer by [add offeror's name]" /> <Property FormalName="ISIN" Value="DK0378331005" /> <Property

FormalName="Extra Information" Value="Acme Company A/S" /> <Metadata>

<MetadataType FormalName="Websites" /> <Property FormalName="nordicAgencyWebsite" Value="https://via.ritzau.dk/announcement?

announcementId=123&lang=en" /> </Metadata>

The three elements <AdministrativeMetadata> , <DescriptiveMetadata> and <Metadata> contain information about the announcement and the publisher of it.

#### Element / Attribute Presence Description

AdministrativeMetadata Source Party

Exactly one element is always present

Name of the company who published the announcement.

DescriptiveMetadata Language

Exactly one element is always present

Language of the announcement in this *NewsItem* . If announcement was published with multiple languages then those are listed in the NewsML document as separate *NewsItem* -elements. ISO-639-1 code presents the language. Example values: da, sv, no, fi, en. See more at [https://en.wikipedia.org/wiki/List\\_of\\_ISO\\_639-1\\_codes](https://en.wikipedia.org/wiki/List_of_ISO_639-1_codes)

DescriptiveMetadata Property Country

Exactly one element is

Country of the announcement in this *NewsItem* . always present

ISO-3166-1 Alpha-2 code presents the country. Examples values: DK, SE, FI, NO. See more at [https://en.wikipedia.org/wiki/ISO\\_3166-1\\_alpha-2](https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2)

<Metadata> elements have two different *MetadataTypes* , "Securities Identifier" and "Websites" described below. Each <NewsComponent> always contains one <Metadata> for "Websites". Usually one <Metadata> for "Securities Identifier" is included, but there can also be situations where the amount of "Securities Identifier" <Metadata>

-elements is zero or more than one. **Element / Attribute Presence Description**

Metadata MetadataType Exactly one element is

always present

Contains always the text "Securities Identifier"

Exactly Metadata Property

one element is Exchange

always present

A text presenting the exchange where the company is listed.

Current valid values are:

Main Market, Stockholm Main Market, Helsinki Main Market, Copenhagen First North Denmark First North Sweden First North Finland Oslo Stock

Exchange London Stock Exchange

Metadata Property Message Category

Exactly one element is always present

Contains the category of the announcement used in this *Exchange* . Categories are defined by the *Exchange* . If available, the category is in the language specified in this *NewsItem* . If no translation of the category exists, english is used.

Examples of Message Categories:

Net Asset Value Annual financial and audit reports Interim report (Q1 and Q3)

Metadata Property ISIN Exactly one element is

always present

ISIN of the instrument, optional.

Metadata Property Extra Information

Exactly one or no element may be present.

Mandatory extra information regarding the used London Stock Exchange headline category.

**Element / Attribute Presence Description**

Metadata MetadataType Exactly one element is

always present

Contains always the text "Websites"

Metadata Property nordicAgencyWebsite

Exactly one element is always present

Contains the URL of the announcement in the source system in HTML format in the language specified in this *NewsItem*.

#### 1.6.1.9. <NewsML> <NewsItem> <NewsComponent> <ContentItem>

```
<!-- HTML presentation of the announcement --> <ContentItem Euid="announcement_html">
```

```
<MimeType FormalName="text/html" /> <DataContent>
```

```
<![CDATA[ HTML markup for the announcement as defined in https://knowledge.solita.fi/display/PRS /Announcement+export+as+HTML ]]>
```

```
</DataContent> </ContentItem> <!-- PDF export of the announcement --> <ContentItem Euid="announcement_pdf"
```

```
Href="https://via.ritzau.dk/announcement-api/public/v1/pdf/132/en">
```

```
<MimeType FormalName="application/pdf" /> </ContentItem> <!-- Attached documents are listed as additional ContentItem -elements without
```

```
Euid-attributes --> <ContentItem Href="https://via.ritzau.dk/ir-files/123/321/456/example.pdf">
```

```
<MimeType FormalName="application/pdf" /> <Characteristics>
```

```
<SizeInBytes>123123123</SizeInBytes> <Property FormalName="Title" Value="example.pdf" /> </Characteristics> </ContentItem>
```

A <ContentItem> holds either the actual content of the announcement or an attachment related to the announcement. The actual content of the announcement is distributed as html and pdf. Both of these are always present. They can be spotted from the presence of the *Euid* -attribute. Any attachments distributed with the announcement are provided with additional <ContentItem> -elements without a *Euid* -attribute. Each kind of a *ContentItem* are defined in their own tables here below. **1.6.1.10. ContentItem with Euid="announcement\_html"**

**Element / Attribute**

**Presence Description**

Euid Attribute is always

present

The *Euid* -attribute always contains a value *announcement\_html* which should help the processor of this XML to quickly locate the HTML presentation of the announcement.

MimeType Exactly one element

is always present

The *MimeType* -element always has an attribute *FormalName* with value *text/html* . *DataContent* Exactly one element

is always present

The *DataContent*-element carries the actual payload of the announcement HTML inside a CDATA-section. The HTML presents the full announcement content with links to attachments included.

**See further documentation** on the actual HTML format used in the announcements.

### 1.6.1.11. ContentItem with Euid="announcement\_pdf"

#### Element / Attribute

#### Presence Description

Euid Attribute is always present

The *Euid* -attribute always contains a value *announcement\_pdf* which should help the processor of this XML to quickly locate url where they can download the PDF of the announcement.

Href Attribute is always present

This is an url to a PDF which can be downloaded. The PDF displays the full announcement content with links to attachments included.

MimeType Exactly one element is always present

The *MimeType* -element always has an attribute *FormalName* with value *application/pdf*. **1.6.1.12. ContentItem without a Euid**

#### Element / Attribute Presence Description

Href Attribute is always present This is an url where the attachment can be downloaded.

MimeType Exactly one element is always present

The *MimeType* -element always has an attribute *FormalName* with a value which specifies the type of the attachment.

Characteristics SizeInBytes

Exactly one element is always present

The element contains the size of the attachment in bytes.

Characteristics Property Title

The *Value* -attribute contains a the filename for the attachment. **1.7. HTML markup**

HTML export of announcement is used in various external systems where the announcement is pushed or provided.

The HTML<sub>IS</sub> is encoded as UTF-8.

Does not use html character entity references, but uses xml character entity references where they are required. Is valid XML but without a root element. It should thus be injected inside a div when using it. Does not contain any CSS styling. Thus the users of the HTML can use their own fonts and styles or use the example CSS styling provided below. Does not contain any automatically loading external resources. There are no embedded images, scripts or anything else included. The HTML can be processed offline. Does not include the title of the announcement.

#### 1.7.1.1. Supported HTML markup

##### Element Allowed attributes Classes used for styling

Ph1h2h3

Exactly one element is always present

h4h5h6ulol

li

prs-table--compact

tr class prs-table\_\_row--underline

prs-table\_\_row--dark

prs-table\_\_row--light

td class prs-table\_\_cell--underline

prs-table\_\_cell--dark

prs-table\_\_cell--light

prs-align--left

prs-align--center

prs-align--right

sub

sup

a href

br emstrong

#### 1.7.1.2. Overall HTML structure

1.

**p** byline: **publicationdate** | **official name** | **category**

a.

class attribute "prs-announcement\_\_byline" for styling purposes 2. Optional **p** leadtext with plaintext content 3. Optional **body** with Supported HTML

markup 4.

Optional **legal disclaimer**

a. **h4** subtitle for **Legal disclaimer** **b.**

Supported HTML markup 5.

Optional **contacts**

a. **h4** subtitle for **Contacts** **b.**

**ul** with **li** 's containing each contact **name** , **position** , **phonenumber** and **email address** within a **mailto** link. 6.

Optional **boilerplate**

a. **h4** subtitle for **Boilerplate** **b.**

Supported HTML markup 7.

Optional **attachments**

a. **h4** subtitle for **Attachments** **b.**

**ul** with **li** 's containing each attachment with their **title** and a **link** to the file. 8.

Optional **weblinks**

a. **h4** subtitle for **weblinks** **b.**

**ul** with **li** 's containing a **a** -element with name displayed and a link as href 9.

Optional **link to original announcement**

when this announcement is an correction a. **h4** subtitle for **link to original announcement** **b.**

**ul** with **li** containing a **a** -element with the title of the original announcement displayed and a link to it as href **1.7.1.3. Examples of an html export**

```
<p class="prs-announcement_byline">16.1.2019 16:53 CET | Demo Company A/S | Inside information</p> <p>This is a test of an announcement with the type "inside information". This is leadtext.</p>
```

```
<p>This is a test. Please ignore. This is the body.</p> <table class="prs-table"> <tr class="prs-table__row--light"> <td class="prs-align--right">Column A (right align)</td> <td class="prs-align--center">Column B (center)</td> <td class="prs-align--right">Column C (right align)</td> </tr> <tr> <td class="prs-align--right">TIC</td> <td class="prs-align--center">123</td> <td class="prs-align--right">Lorem ipsum.</td> </tr> <tr> <td class="prs-align--right">TAC</td> <td class="prs-align--center">456</td> <td class="prs-align--right">Lorem ipsum.</td> </tr> <tr> <td class="prs-align--right">TOE</td> <td class="prs-align--center">789</td> <td class="prs-align--right">Lorem ipsum.</td> </tr> </table> <p>Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?</p> <p><strong>BOLD TEXT OVER HERE!</strong></p> <h1>This is title H1</h1> <p>This is paragraph</p> <h2>This is title H2</h2> <p>This is paragraph.</p> <h3>This is title H3</h3> <p>This is paragraph.</p> <h4>This is title H4</h4> <p>This is paragraph.</p> <h5>This is title H5.</h5> <p>This is paragraph.</p> <h6>This is title H6.</h6> <p>This is paragraph.</p> <p>Here we have some <sup>superscript</sup> and <sub>subscript</sub> and back to regular text.</p> <p>At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga. Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.</p> <h4>Contacts</h4> <ul>
```

```
<li>
```

```
Jane Doe CEO 123123 <a
```

```
href="mailto:jane@example.com">jane@example.com</a> </li> <li>
```

```
John Doe CIO 456456 <a href="mailto:john@example.com">john@example.com</a> </li> </ul> <h4>Legal disclaimer</h4> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea
```

```
commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p> <h4>Boilerplate</h4> <p>This is english part of the company information</p> <ul>
```

```
<li>this is a bullet list</li> <li>with two items</li> </ul> <p>And here is a numbered list</p> <ol> <li>first item</li> <li>second item</li> <li>third item</li> </ol> <p>Here is a link to <a href="https://www.google.com">google</a>.</p>
```

#### 1.7.1.4. Suggested CSS styling for the announcement HTML export

The following styles are provided to aid in styling of the announcement HTML content. It contains styles for fonts such as headings and paragraphs and various table

styles. It is recommended to use these styles whenever displaying the HTML content.

Most sizes are represented in relative "em" units. Make sure to set a font-size on a container for the relative sizes to work properly. The suggested value is . Such a container can be as simple as , which should wrap the entire content of the announcement. **16px** <div style="font-size: 16px;"></div>

```
h1 {
    font: 700 1.5625em/1.5 Arial, sans-serif; } h2 {
font: 700 1.5em/1.3 Arial, sans-serif; margin: 0 0 1.5em;
border-bottom: 1px solid #000; } h3 {
font: 700 1.25em/1.5 Arial, sans-serif; margin: 0; } h4 {
font: 700 1.125em/1.5 Arial, sans-serif; margin: 0; } h5 {
font: 700 1em/1.5 Arial, sans-serif; margin: 0; } h6 {
font: 700 0.875em/1.5 Arial, sans-serif; margin: 0; } p {
font: 400 1.125em/1.5 Arial, sans-serif; margin: 0 0 1em; }

.prs-table, .prs-table--compact {
font-family: Arial, sans-serif; border: 0;
margin-bottom: 2em; color: #000; border-collapse:
collapse; } .prs-table tbody,
.prs-table--compact tbody {
border-bottom: 1px solid #EAEAEA; border-top: 1px
solid #EAEAEA; } .prs-table td {
font-size: 14px; line-height: 1.35; border-left: 1px
solid #EAEAEA; border-right: 1px solid #EAEAEA;
height: 18px; padding: 7px; vertical-align: bottom; }

.prs-table--compact td { font-size: 11px; line-height:
1.45; border: 0; height: 14px; padding: 2px 4px;
vertical-align: bottom; } .prs-table p,
.prs-table--compact p {
margin: 0; } .prs-table
tr, .prs-table--compact tr {
border: 0; border-bottom: 1px solid #EAEAEA; }

tr.prs-table__row--underline {
border-bottom: 1px solid #3C3C3C; }

tr.prs-table__row--underline td {
border-bottom: 1px solid #3C3C3C; }

tr.prs-table__row--dark {
background-color: #3C3C3C; }

tr.prs-table__row--dark td {
color: #fff; } tr.prs-table__row--light {
background-color: #F4F4F4; }

tr.prs-table__row--light td {
color: #000; } td.prs-table__cell--light {
color: #000; background-color: #F4F4F4; }
```

```
td.prs-table__cell--dark {
color: #fff; background-color: #3C3C3C; }

td.prs-table__cell--underline {
border-bottom: 1px solid #3C3C3C;
} td.prs-align--left {
text-align: left; }

td.prs-align--center {
text-align: center; }

td.prs-align--right {
text-align: right; }
```

### 1.7.1.5. Styling

#### wide tables

If the page displaying the announcement has a narrow width, some tables might display in unexpected ways. Tabular data in company announcements tends to contain a large amount of columns and requires significant width to display properly. To accommodate this requirement on a narrow page the following styles can be applied. They allow tables to use 100% of the pages width and overflow, allowing a horizontal scrollbar to appear. This is also useful for mobile users who will be able to swipe to scroll the tables.

```
.prs-table, .prs-table--compact
{
```

```
display: block; overflow-x: auto; width: 100% !important; }
```

### 1.8. Example of a

## NewsML 1.2 XML as generated by PRS

#### XML structure overview

```
<NewsML Version="1.2" xmlns="http://iptc.org/std/NewsML/2003-10-10/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://iptc.org/std/NewsML/2003-10-10/ https://www.iptc.org/std/NewsML/1.2/specification/NewsML_1.2-xmlschema_4.xsd">
  <NewsEnvelope>
    <!-- This DateAndTime specifies when this XML was generated. It does not tell when the announcement was published. -->
    <DateAndTime>20181128T103701+0100</DateAndTime> <NewsProduct
FormalName="nordicir.com" /> </NewsEnvelope> <!-- This is the english version
of the announcement --> <NewsItem>
  <Identification>
    <NewsIdentifier>
      <ProviderId>nordicir.com</ProviderId> <DateId>20181128</DateId>
      <NewsItemId>ritzau:20181128:1231212-en</NewsItemId> <RevisionId PreviousRevision="0"
Update="N">1</RevisionId> <PublicIdentifier>urn.newsml:ritzau:20181128:1231212-en:1</PublicIdentifier>
      </NewsIdentifier> </Identification> <NewsManagement>
      <NewsItemType FormalName="News" /> <FirstCreated>20181128T103618+0100</FirstCreated>
      <ThisRevisionCreated>20181128T103618+0100</ThisRevisionCreated> <Status
FormalName="Usable" /> <Urgency FormalName="4" /> </NewsManagement>
      <NewsComponent> <NewsLines>
        <HeadLine>This is the title of the announcement</HeadLine> <DateLine>11.28.2018 10:36
        CET</DateLine> <ByLine>Acme Company A/S</ByLine> </NewsLines>
        <AdministrativeMetadata>
          <Source>
            <Party FormalName="Acme Company A/S" /> </Source>
          </AdministrativeMetadata> <DescriptiveMetadata>
            <Language FormalName="en" /> <Property FormalName="Country"
```

```

Value="DK" /> </DescriptiveMetadata> <Metadata>
  <MetadataType FormalName="Securities Identifier" />
<Property FormalName="Exchange" Value="Main Market, Copenhagen" /> <Property FormalName="Message Category" Value="Net
Asset Value"/> <Property FormalName="ISIN" Value="DK0378331005" /> </Metadata> <Metadata>
  <MetadataType FormalName="Securities Identifier" /> <Property
  FormalName="Exchange" Value="Oslo Stock Exchange" />
  <Property FormalName="Message Category" Value="Annual financial and audit reports"/>
  <Property FormalName="ISIN" Value="DK0378331005" /> </Metadata> <Metadata>
<MetadataType FormalName="Websites" /> <Property FormalName="nordicAgencyWebsite" Value="https://via.ritzau.dk
/announcement?announcementId=123&lang=en" />
  </Metadata> <!-- HTML presentation of the announcement in english -->
  <ContentItem Euid="announcement_html">
    <MimeType FormalName="text/html" />
    <DataContent>
      <![CDATA[ HTML markup for the announcement in english as defined in
https://knowledge.solita.fi/display/PRS/Announcement+export+as+HTML ]]>
    </DataContent> </ContentItem> <!-- PDF export of the announcement in english --> <ContentItem Euid="announcement_pdf"
Href="https://via.ritzau.dk/announcement-api/public/v1/pdf/132/en">
    <MimeType FormalName="application/pdf" /> </ContentItem> <!-- Attached documents are listed as additional
ContentItem -elements --> <ContentItem Href="https://via.ritzau.dk/ir-files/123/321/456/example.pdf">
    <MimeType FormalName="application/pdf" />
    <Characteristics>
<SizeInBytes>123123123</SizeInBytes> <Property FormalName="Title" Value="example.pdf" />
</Characteristics> </ContentItem> </NewsComponent> </NewsItem> <!-- This is the danish
version of the announcement --> <NewsItem>
  <Identification>
    <NewsIdentifier>
      <ProviderId>nordicir.com</ProviderId> <DateId>20181128</DateId>
      <NewsItemId>ritzau:20181128:1231212-da</NewsItemId> <RevisionId PreviousRevision="0"
Update="N">1</RevisionId> <PublicIdentifier>urn:newsml:ritzau:20181128:1231212-da:1</PublicIdentifier>
      </NewsIdentifier> </Identification> <NewsManagement>
      <NewsItemType FormalName="News" /> <FirstCreated>20181128T103618+0100</FirstCreated>
      <ThisRevisionCreated>20181128T103618+0100</ThisRevisionCreated> <Status
FormalName="Usable" /> <Urgency FormalName="4" /> </NewsManagement>
      <NewsComponent> <NewsLines>
        <HeadLine>This is the title of the announcement</HeadLine>
        <DateLine>11.28.2018 10:36 CET</DateLine> <ByLine>Acme
Company A/S</ByLine> </NewsLines>
      <AdministrativeMetadata>
        <Source>
          <Party FormalName="Acme Company A/S" /> </Source>
        </AdministrativeMetadata> <DescriptiveMetadata>
          <Language FormalName="da" /> <Property FormalName="Country"
Value="DK" /> </DescriptiveMetadata> <Metadata>
          <MetadataType FormalName="Securities Identifier" /> <Property FormalName="Exchange"
Value="Main Market, Copenhagen" /> <Property FormalName="Message Category" Value="Indre
værdi"/> <Property FormalName="ISIN" Value="DK0378331005" /> </Metadata>
          <Metadata> <MetadataType FormalName="Securities Identifier" /> <Property FormalName="Exchange" Value="Oslo Stock
Exchange" /> <Property FormalName="Message Category" Value="Annual financial and audit reports"/> <Property
FormalName="ISIN" Value="DK0378331005" /> </Metadata> <Metadata>
<MetadataType FormalName="Websites" /> <Property FormalName="nordicAgencyWebsite" Value="https://via.ritzau.dk/announcement?
announcementId=123&lang=da" />
  </Metadata> <!-- HTML presentation of the announcement in danish -->
  <ContentItem Euid="announcement_html">
    <MimeType FormalName="text/html" />
    <DataContent>

```

```
<![CDATA[ HTML markup for the announcement in danish as defined in
https://knowledge.solita.fi/display/PRS/Announcement+export+as+HTML ]]>
  </DataContent> </ContentItem> <!-- PDF export of the announcement in danish --> <ContentItem Euid="announcement_pdf"
Href="https://via.ritzau.dk/announcement-api/public/v1/pdf/132/da">
  <MimeType FormalName="application/pdf" /> </ContentItem> <!-- Attached documents are listed as additional
ContentItem -elements --> <ContentItem Href="https://via.ritzau.dk/ir-files/123/321/456/example.pdf">
  <MimeType FormalName="application/pdf" />
  <Characteristics>
<SizeInBytes>123123123</SizeInBytes> <Property FormalName="Title" Value="example.pdf" />
</Characteristics> </ContentItem> </NewsComponent> </NewsItem> </NewsML>
```