

# ts broadcast

web service background information

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## INTRODUCTION

### 1.1. Background

Concerned by the contrasting standards of advice and information offered by UK-wide local authorities, we at the Trading Standards Institute (TSI) have developed content syndication systems that promote consistent advice and information. As a syndication subscriber, you'll benefit from:

- a pre-populated **comprehensive** bank of advice and information;
- the provision of **approved** advice from TSI's panel of experts;
- a **reduction** in content management overhead; and
- a **redirection** of trading standards effort.

ts broadcast addresses the desire to supply information and advice whilst satisfying corporate IT teams seeking a quick and easy solution to the provision of quality controlled information.

### 1.2. This document

This document outlines the steps necessary to activate your ts broadcast web service subscription and details the methods exposed by the web service.

The web service comes in three slightly different versions, each suited to particular languages or content management systems.

The WSDL files are located at:

- <https://secure.tslinkonline.co.uk/templates/webserviceasp/service.cfc?wsdl> (suited to ASP 'classic')
- <https://secure.tslinkonline.co.uk/templates/webservice/service-simple.cfc?wsdl> (aimed at .net implementations)
- <https://secure.tslinkonline.co.uk/templates/webservice/service.cfc?wsdl> (the original web service suited to Java implementation)

### 1.3. Supporting documents

Example VB.net and C# code that consumes the ts broadcast web service for can be found on our website at <http://www.tradingstandards.uk/broadcast/>.

## USING THE WEB SERVICE

### 1.4. User account

Every call to the web service requires a valid set of user credentials be passed, so you'll need to set up (or get your system administrator to set up) a dedicated ts interlink user account for the purpose.

A ts interlink user account has three fields:

- site ID (usually referred to as a 'TSL number').
- user ID
- password

...each of which form part of the calls you make to the web service.

## 1.5. Permissions

ts broadcast web service monitors the IP addresses of calls that are made to it – these will typically be external firewall addresses and won't be the internal IPs of your web servers. Only those IP addresses TSI have been notified of will be able to access the web service.

## 1.6. Activating the web service

Once your subscription has been activated by TSI, you'll need to log in to ts interlink as this user to activate the content 'classifications' you want to consume. Visit ts interlink at <https://secure.tslinkonline.co.uk/> and enter the login details of your dedicated web service user.

When you've logged in, you'll see the ts interlink home page. Click the 'ts broadcast' link in the 'My Services' menu:

The screenshot shows the ts interlink home page. At the top left is the logo for 'ts trading standards interlink'. To the right is a 'Site Search' box with an 'Advanced Search' link below it. Below the logo is a navigation bar with 'Home', 'Admin', and 'My Services' (with a dropdown arrow). The 'My Services' dropdown menu is open, showing a list of services: Companies House, EU safety notifications, Expert Witness Search, Home Authority database, ICSMS, Mail, Microsites, My alerts, News, Pattern approvals, Search, ts broadcast (highlighted with a red circle), and ts broadcast (nb). The main content area is divided into several sections: 'News' (with sub-sections for News, RSS, More, Search) containing three news items; 'Mail' (with sub-sections for Unread, Recent) containing three email items; 'EU Safety Notifications' (with sub-sections for Notifications, More, Search) containing one item 'LED Lamp'; and 'Most Read Documents' (with sub-sections for Today, This Week, This Month) containing one item 'AC Adapter for E-cigarette'. There is also a 'My ICSMS' section with a 'Quick Search' button.

Clicking the ts broadcast link will display a page that lists those classifications you have access to as part of your subscription. Note the following screenshot shows a subscriber that has access to both web service and JavaScript versions. If you're such a subscriber, click the 'Web service classifications' link at the top of the page, otherwise you will just see the following screen:

The screenshot shows the 'ts Broadcast administration: JavaScript' page. At the top, there is a navigation bar with 'Home', 'Admin', 'My Services', and 'External Services'. Below this, the page title is 'ts Broadcast administration: JavaScript'. There are three links: 'JavaScript classifications', 'Web service classifications' (circled in red), and 'View usage statistics'. A text block states: 'The following classifications are available for JavaScript syndication. The documents to be displayed can be managed using the links below.'

Classification	Manage content (no. of displayed items)		Displayed?	
	Local	Shared	<input type="checkbox"/>	Yes
All countries > Institute > Career > General	Local (0)	Shared (3)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Commercial > e-TSN	Local (0)	Shared (4)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Commercial > General	Local (0)	Shared (10)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Events > General	Local (0)	Shared (7)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Journal > General	Local (0)	Shared (3)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Latest > General	Local (1)	Shared (1)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 1998	Local (0)	Shared (14)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 1999	Local (0)	Shared (19)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 2000	Local (0)	Shared (21)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 2001	Local (0)	Shared (20)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 2002	Local (0)	Shared (13)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 2003	Local (0)	Shared (18)	<input checked="" type="checkbox"/>	Yes
All countries > Institute > Press > 2004	Local (0)	Shared (36)	<input checked="" type="checkbox"/>	Yes

On the right side of the page, there is a sidebar with several service tiles: 'tsmail', 'ICSMS', 'Companies House', and 'Expert Witness'.

Place a tick against those classifications you want to consume and click the 'update my settings' button to save your settings.

Now you've activated your selection, you are able to call the web service.

## 1.7. Classification codes

Each classification has a particular code that is used when you call the web service. Note that different nations have varying laws, hence leaflets are both country and subject coded. You'll see where these codes are used when you look at the soap envelopes in the appendices. Note the classifications to which you have access depend on your subscription level.

Valid classifications are as follows:

### English content

Business advice classification	Description
eng;busi;adv;agr	Age restricted sales
eng;busi;adv;ahaw	Animal health and welfare
eng;busi;adv;c&br	Consumer rights (inc. selling methods)
eng;busi;adv;fd	Food
eng;busi;adv;ft	Fair trading (inc. pricing)
eng;busi;adv;other	Other consumer problems
eng;busi;adv;safe	Safety
eng;busi;adv;w&m	Weights and measures
eng;busi;adv;fdhy;con	Food contamination
eng;busi;adv;fdhy;fbi	Food borne illness and poisoning
eng;busi;adv;fdhy;gen	General food safety
eng;busi;adv;fdhy;pco	Pest control in a food business
eng;busi;adv;fdhy;saf	Safe food
eng;busi;adv;fdhy;sta	Staffing and personnel in a food business
Consumer advice Classification	Description
eng;cons;adv;indisp	If you are in dispute
eng;cons;adv;othprb	Other problems
eng;cons;adv;pwc	Problems with motor vehicles
eng;cons;adv;pwg	Problems with goods
eng;cons;adv;pws	Problems with services
eng;cons;adv;trv	Travel
cons;news;sn	Product safety notices

### Scottish content

Business advice classification	Description
scot;busi;adv;agr	Age restricted sales
scot;busi;adv;ahaw	Animal health and welfare
scot;busi;adv;c&br	Consumer rights (inc. selling methods)
scot;busi;adv;fd	Food
scot;busi;adv;ft	Fair trading (inc. pricing)
scot;busi;adv;other	Other consumer problems
scot;busi;adv;safe	Safety
scot;busi;adv;w&m	Weights and measures
Consumer advice Classification	Description
scot;cons;adv;indisp	If you are in dispute
scot;cons;adv;othprb	Other problems
scot;cons;adv;pwc	Problems with motor vehicles
scot;cons;adv;pwg	Problems with goods
scot;cons;adv;pws	Problems with services
scot;cons;adv;trv	Travel
cons;news;sn	Product safety notices

### Welsh content

Business advice classification	Description
wales;busi;adv;agr	Age restricted sales
wales;busi;adv;ahaw	Animal health and welfare
wales;busi;adv;c&br	Consumer rights (inc. selling methods)
wales;busi;adv;fd	Food leaflets
wales;busi;adv;ft	Fair trading (inc. pricing)
wales;busi;adv;other	Other consumer problems
wales;busi;adv;safe	Safety
wales;busi;adv;w&m	Weights and measures
wales;busi;adv;fdhy;con	Food contamination
wales;busi;adv;fdhy;fbi	Food borne illness and poisoning
wales;busi;adv;fdhy;gen	General food safety
wales;busi;adv;fdhy;pco	Pest control in a food business
wales;busi;adv;fdhy;saf	Safe food
wales;busi;adv;fdhy;sta	Staffing and personnel in a food business
Consumer advice Classification	Description
wales;cons;adv;indisp	If you are in dispute
wales;cons;adv;othprb	Other problems
wales;cons;adv;pwc	Problems with motor vehicles
wales;cons;adv;pwg	Problems with goods
wales;cons;adv;pws	Problems with services
wales;cons;adv;trv	Travel
cons;news;sn	Product safety notices

### Welsh language content

Business advice classification	Description
walesw;busi;adv;agr	Age restricted sales Cynhyrchion sy'n gyfyngedig o ran oedran
walesw;busi;adv;ahaw	Animal health and welfare Iechyd a lles anifeiliaid
walesw;busi;adv;c&br	Consumer rights (including selling methods) Hawliau defnyddwyr/prynwyr (gan gynnwys dulliau gwerthu)
walesw;busi;adv;fd	Food Bwyd
walesw;busi;adv;ft	Fair trading (including pricing) Masnachu teg (gan gynnwys prisio)
walesw;busi;adv;other	Other Arall
walesw;busi;adv;safe	Safety Diogelwch
walesw;busi;adv;w&m	Weights and measures Pwysau a mesurau
Consumer advice Classification	Description
walesw;cons;adv;indisp	If you are in dispute Os ydych mewn anghydfod
walesw;cons;adv;othprb	Other consumer problems Problemau eraill i ddefnyddwyr
walesw;cons;adv;pwc	Problems with motor vehicles Problemau â cherbydau modur
walesw;cons;adv;pwg	Problems with goods Problemau â nwyddau
walesw;cons;adv;pws	Problems with services Problemau â gwasanaethau
walesw;cons;adv;trv	Travel Teithio

### Northern Irish content

Business advice classification	Description
ni;busi;adv;ahaw	Animal health and welfare
ni;busi;adv;c&br	Consumer rights (inc. selling methods)
ni;busi;adv;fd	Food leaflets
ni;busi;adv;ft	Fair trading (inc. pricing)
ni;busi;adv;other	Other consumer problems
ni;busi;adv;safe	Safety leaflets
ni;busi;adv;w&m	Weights and measures
ni;busi;adv;fdhy;con	Food contamination
ni;busi;adv;fdhy;fbi	Food borne illness and poisoning
ni;busi;adv;fdhy;gen	General food safety
ni;busi;adv;fdhy;pco	Pest control in a food business
ni;busi;adv;fdhy;saf	Safe food
ni;busi;adv;fdhy;sta	Staffing and personnel in a food business



Consumer advice Classification	Description
ni;cons;adv;indisp	If you are in dispute
ni;cons;adv;othprb	Other problems
ni;cons;adv;pwc	Problems with motor vehicles
ni;cons;adv;pwg	Problems with goods
ni;cons;adv;pws	Problems with services
ni;cons;adv;trv	Travel
cons;news;sn	Product safety notices

## 1.8. The content

Example content is shown in the appendices and can usually be displayed without further processing. One exception to this rule concerns inter-document links.

Several Broadcast documents refer to other Broadcast documents, so you'll need to cater for this in your implementation.

An inter-document link is simply an anchor tag containing the six-digit document ID of the document to link to, thus:

```
<p>
  See also <a href="123456">'Consumer protection from unfair
  trading'</a> and <a href="987654">'Business-to-business
  marketing'</a>
</p>
```

## 1.9. Embedded styles

At the time of writing, ts broadcast content is syndicated to over 100 websites. It is impossible for our editorial team to match the look and feel of every subscriber's website so we employ a small number of classes within the content to allow you to paint the material as you see fit.

Class name	Location
tscsNewsTitle	Document title in article display, subscriber-controlled title style.
tsi-table-100	Table contained in document content, recommended 100% content width.
tsi-table-75	Table contained in document content, recommended 75% content width.
tsi-table-50	Table contained in document content, recommended 50% content width.
tsi-table-25	Table contained in document content, recommended 25% content width.

## APPENDIX ONE: SERVICE-SIMPLE ENVELOPES

### Step one – searchForRecord:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservice.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:searchForRecord soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="web:Credentials">
        <authorityID xsi:type="xsd:string">tsl???
```

- in0.authorityID is your 'TSL' number – unique to your organisation;
- in0.user is the user name of a valid ts interlink user (we suggest you have one set up dedicated to ts broadcast purposes);
- in0.password is the user's password;
- in0.classification is the classification of the document list you want to get at;
- in1 is a redundant parameter;
- in2 is the from-date for documents to display. In all cases **aside from news-related lists**, this should be an old date to ensure you get all advice leaflets (2003-01-01); and
- in3 is the to-date for documents to display (should be today's date).

## searchForRecord response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:searchForRecordResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://webservice.templates">
      <searchForRecordReturn xsi:type="ns2:Map" xmlns:ns2="http://xml.apache.org/xml-soap">
        <item xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
          <key xsi:type="soapenc:string">SEARCHERROR</key>
          <value xsi:type="soapenc:string">0</value>
        </item>
        <item>
          <key xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">RECORDCOUNT</key>
          <value xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">3</value>
        </item>
        <item>
          <key xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">SEARCHHANDLE</key>
          <value xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">DB476EB8-1185-6B25-FC0DF96251407C2C</value>
        </item>
      </searchForRecordReturn>
    </ns1:searchForRecordResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

The search handle is used in the next stage ('getSummary') to get the document listing.

## Step two – getSummary:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservice.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:getSummary soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="web:Credentials">
        <authorityID xsi:type="xsd:string">tsl???
```

- in0.authorityID is your 'TSL' number – unique to your organisation;
- in0.user is the user name of a valid ts interlink user (we suggest you have one set up dedicated to ts broadcast purposes);
- in0.password is the user's password;
- in0.classification is the classification of the document list you want to get at;
- in1 is the search handle resulting from a call to searchForRecord;
- in2 is the zero based index of the first result to return. This is an unsupported parameter and any value here will be disregarded;
- in3 is the number of results to return. This is an unsupported parameter and any value here will be disregarded.

## getSummary response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getSummaryResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://webservice.templates">
      <getSummaryReturn soapenc:arrayType="xsd:anyType[12]" xsi:type="soapenc:Array" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <getSummaryReturn xsi:type="ns2:Map" xmlns:ns2="http://xml.apache.org/xml-soap">
          <item>
            <key xsi:type="soapenc:string">RECORDIDENTIFIER</key>
            <value xsi:type="soapenc:string">249345</value>
          </item>
          <item>
            <key xsi:type="soapenc:string">RECORDTYPE</key>
            <value xsi:type="soapenc:string"/>
          </item>
          <item>
            <key xsi:type="soapenc:string">STRAPLINE</key>
            <value xsi:type="soapenc:string">09.02.27 Recall: Kintyre Breaded Scampi 235g</value>
          </item>
          <item>
            <key xsi:type="soapenc:string">DATE</key>
            <value xsi:type="soapenc:string">2009-02-27</value>
          </item>
        </getSummaryReturn>
        <getSummaryReturn xsi:type="ns3:Map" xmlns:ns3="http://xml.apache.org/xml-soap">
          <item>
            <key xsi:type="soapenc:string">RECORDIDENTIFIER</key>
            <value xsi:type="soapenc:string">248512</value>
          </item>
          <item>
            <key xsi:type="soapenc:string">RECORDTYPE</key>
            <value xsi:type="soapenc:string"/>
          </item>
          <item>
            <key xsi:type="soapenc:string">STRAPLINE</key>
            <value xsi:type="soapenc:string">09.02.09 Recall: 2pc Novelty Seatbelt Pads sold at Poundland</value>
          </item>
          <item>
            <key xsi:type="soapenc:string">DATE</key>
            <value xsi:type="soapenc:string">2009-02-10</value>
          </item>
        </getSummaryReturn>
      </ns1:getSummaryResponse>
    </soapenv:Body>
  </soapenv:Envelope>
```

### Step three – getDetail:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservice.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:getDetail soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="web:Credentials">
        <authorityID xsi:type="xsd:string">tsl???
```

- in0.authorityID is your 'TSL' number – unique to your organisation;
- in0.user is the user name of a valid ts interlink user (we suggest you have one set up dedicated to ts broadcast purposes);
- in0.password is the user's password;
- in0.classification is the classification of the document list you want to get at;
- in1 is the document ID (resulting from a call to getSummary) you want to access.

## getDetail response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getDetailResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://webservice.templates">
      <getDetailReturn xsi:type="ns2:Map" xmlns:ns2="http://xml.apache.org/xml-soap">
        <item xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
          <key xsi:type="soapenc:string">RECORDIDENTIFIER</key>
          <value xsi:type="soapenc:double">249345.0</value>
        </item>
        <item>
          <key xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">STRAPLINE</key>
          <value xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">09.02.27 Recall: Kintyre Breaded Scampi
235g</value>
        </item>
        <item>
          <key xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">DATE</key>
          <value xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">2009-02-27</value>
        </item>
        <item>
          <key xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">HTMLTEXT</key>
          <value xsi:type="soapenc:string" xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"><![CDATA[<p>The distributor has published the
following notice:</p><p><strong>Product recall</strong></p><p>Kintyre Breaded Scampi, 235g, £3.49<br />Batch Code: L9006 M2<br />Best Before End July
2010</p><p>Dawnfresh Seafoods Ltd is taking the precautionary measure of recalling Kintyre Breaded Scampi, 235g following the discovery of some pieces
of glass in a small number of packets.</p><p>Only products with this specific best before date and code are affected.</p><p>Affected products should be
returned to the store which you purchased the product from for a full refund.</p><p>For more information or a full refund consumers can call: Dawnfresh
Helpline on: 01698 803104.</p><p>Dawnfresh Seafoods Ltd apologises for any inconvenience caused.</p><p>(Source: Food Standards Agency)</p>
<p class="tscopyright">&copy; 2009 itsa Ltd on behalf of the Trading Standards Institute.</p>]]></value>
        </item>
      </getDetailReturn>
    </ns1:getDetailResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Step four – closeSearch:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webservice.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:closeSearch soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="web:Credentials">
        <authorityID xsi:type="xsd:string">ts1???
```

#### closeSearch response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:closeSearchResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://webservice.templates">
      <closeSearchReturn xsi:type="xsd:double">0.0</closeSearchReturn>
    </ns1:closeSearchResponse>
  </soapenv:Body>
</soapenv:Envelope>
```



## APPENDIX TWO: WEBSERVICEASP ENVELOPES

### Step one – searchForRecord:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webserviceasp.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:searchForRecord soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="xsd:string">tsl???
```

- in0 is your 'TSL' number – unique to your organisation;
- in1 is the user name of a valid ts interlink user (we suggest you have one set up dedicated to ts broadcast purposes);
- in2 is the user's password;
- in3 is the classification of the document list you want to get at;
- in4 is a redundant parameter;
- in5 is the from-date for documents to display. In all cases **aside from news-related lists**, this should be an old date to ensure you get all advice leaflets (2003-01-01); and
- in6 is the to-date for documents to display (should be today's date).

## searchForRecord response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:searchForRecordResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://webserviceasp.templates">
      <searchForRecordReturn xsi:type="xsd:string">234898~~2008-02-28~08.02.28 Recall: Tesco Rapid Boil Illuminating Jug Kettle|234892~~2008-02-
27~08.02.27 Recall: Funtastic Rattle And Learn Toys sold at Poundland|234870~~2008-02-26~08.02.26 Recall: Houdek Premium Tex Mex Meatballs sold at
Aldi|234784~~2008-02-21~08.03.21 Recall: Prestige Deco 1.5L Cordless Dome Kettle|220720~~2008-02-14~08.02.08 Recall: Mothercare Safety
Gates|234684~~2008-02-13~13.02.08 Recall: Morrisons Fresh Scottish Salmon (Excl Organic Salmon)</searchForRecordReturn>
    </ns1:searchForRecordResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

The return is a continuous string, with records delimited by the pipe '|' character. Each record comprises a unique document identifier, the published-date (yyyy-mm-dd format) and the document title. The field delimiter is a double-tilde '~~'

## Step two – getDetail:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webserviceasp.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:getDetail soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="xsd:string">tsl??</in0>
      <in1 xsi:type="xsd:string">myuserid</in1>
      <in2 xsi:type="xsd:string">mypassword</in2>
      <in3 xsi:type="xsd:string">cons;news;sn</in3>
      <in4 xsi:type="xsd:string">234898</in4>
    </web:getDetail>
  </soapenv:Body>
</soapenv:Envelope>
```

- in0 is your 'TSL' number – assigned by us to your authority;
- in1 is the user name of a valid ts interlink user (we suggest you have one set up dedicated to ts broadcast purposes);
- in2 is the user's password;
- in3 is the classification of the document you want to get at; and
- in4 is the document identifier as returned by a call to searchForRecord.

## getDetail response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <nsl:getDetailResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:nsl="http://webserviceasp.templates">
      <getDetailReturn xsi:type="xsd:string"><![CDATA[234898|08.02.28 Recall: Tesco Rapid Boil Illuminating Jug Kettle|
<p>The following notice has been published in the national press:<br
/>_____</p><p><strong>TESCO</strong></p><p><strong>PRODUCT RECALL</strong></p><p><strong>Tesco Rapid Boil Illuminating
Jug Kettle<br />Model Number: JKR17 Price £9.94</strong></p><p>Tesco is taking the precautionary measure of recalling three batches of the above
product due to a potential manufacturing fault which may lead to scalding.</p><p>This recall only affects the kettles of model JKR17 sold since 4th
February 2008 with the following batch code:</p><table border="0" cellpadding="1" cellspacing="7"><tr align="left"
valign="top"><td>071013</td><td>071115</td><td>071129</td></tr></table><p>This number is made up of 6 digits starting with 07, and it is found on the
rating label on the underside of the kettle immediately below the CE mark.</p><p></p><p>No other product or batch code is affected
by this recall.</p><p><strong>WHAT YOU SHOULD DO</strong></p><p>Stop using this kettle immediately Customers should identify the batch code on their
kettle. Customers who have bought one of the affected kettles are requested to return it to the store in which it was purchased where a full refund
will be given. Customers who have a kettle with a batch code different to the above can continue to use their kettles as normal.</p><p>Tesco apologise
for any inconvenience this may cause.</p><p><strong>FREEPHONE 0800 50 55 55</strong></p><p>(Source: The Independent, 28th February 2008)</p>
<p class="tscopyright">&copy; 2008 itsa Ltd on behalf of the Trading Standards Institute.</p>|2008-02-28]]></getDetailReturn>
    </nsl:getDetailResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

### Step three – closeSearch:

```
<soapenv:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:web="http://webserviceasp.templates">
  <soapenv:Header/>
  <soapenv:Body>
    <web:closeSearch soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <in0 xsi:type="xsd:string"><tsl??</in0>
      <in1 xsi:type="xsd:string">myuserid</in1>
      <in2 xsi:type="xsd:string">mypassword</in2>
      <in3 xsi:type="xsd:string"></in3>
      <in4 xsi:type="xsd:string"></in4>
    </web:closeSearch>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:closeSearchResponse soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:ns1="http://webserviceasp.templates">
      <closeSearchReturn xsi:type="xsd:double">1.0</closeSearchReturn>
    </ns1:closeSearchResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## APPENDIX THREE: SERVICE

There are web service methods to return a list of documents within a classification and to return an individual document from a classification. A request for a list of documents is performed as a two step process:

Calling **searchForRecord** initiates a request for a list of documents with the given parameters. The results of this request are stored on the server which hosts the web service. This method returns a search handle to access the results and the total number of results found.

The method **getSummary** is then called to retrieve all of the results. You will probably want to cache the list of results returned by getSummary in some way so that you can paginate the results. Clients can indicate that they have finished working with a set of search results by calling the closeSearch method. This will remove cached results from the server which hosts the web service. Calling this method is optional. Search results will only be guaranteed to be held on the server up to 24 hours after a search is performed.

### **searchForRecord**

Returns: searchResult (a complex data type documented below)

Parameter	Type	Notes
in0	Credentials	Complex data type documented below.
in1	String	This is an unsupported parameter and any value here will be disregarded.
in2	Array of Parameter	Parameter is a complex data type documented below. Allows searching between dates.

### **getSummary**

Returns: Array of RecordSummary (a complex data type documented below)

Parameter	Type	Notes
in0	Credentials	Complex data type documented below.
in1	String	Search handle.
in2	Integer	Zero based index of first result to return. This is an unsupported parameter and any value here will be disregarded.
in3	Integer	Number of results to return. This is an unsupported parameter and any value here will be disregarded.

### closeSearch

Returns: Int (indicates success or failure)

Parameter	Type	Notes
in0	Credentials	Complex data type documented below.
in1	String	Search handle.

The method used to retrieve the full details of an individual document is **getDetail**. This method returns all details of a document including the document body itself which includes simple HTML formatting.

### getDetail

Returns: Record (a complex data type documented below)

Parameter	Type	Notes
in0	Credentials	Complex data type documented below.
in1	String	Document ID.

## Complex data types

Complex data types used in method parameters or returns are documented below:

### Credentials

Member	Type	Notes
authorityID	String	Authority ID as per TS Interlink logon
user	String	User ID
Password	String	User password
classification	String	The document classification with which the user is working

## Parameter

Member	Type	Notes
name	String	Parameter name. Values currently supported: DateFrom DateTo
Value	String	Parameter value. Values for DateFrom/DateTo should be ISO formatted dates.

## SearchResult

Member	Type	Notes
searchError	Integer	0 indicates search success, other numbers indicate search error. See web service error codes later on in this document.
recordCount	Integer	The number of results returned by the search.
searchHandle	String	A unique UUID identifying the search results.

## RecordSummary

Member	Type	Notes
recordIdentifier	String	Document ID (used to retrieve the full details of an individual document)
recordType	String	Currently unused
date	ISO format date	Date of document's last approval
strapline	String	String Text describing the document



## Record

<b>Member</b>	<b>Type</b>	<b>Notes</b>
recordIdentifier	String	Document ID (used to retrieve the full details of an individual document).
date	ISO format date	Date of document's last approval
strapline	String	Text describing the document
htmlText	String	Body of the document which includes simple html

## APPENDIX FOUR: ERROR CODES

searchForRecord

SearchResult.searchError:

0 = success

1 = bad credentials

2 = bad search term - must be at least 3 valid characters

3 = usage limit exceeded

4 = bad dates

getSummary

>0 length array = success

Zero length array = no search results found or bad credentials

closeSearch

0 = success

1 = bad credentials

getDetail

Record.recordIdentifier:

> 0 = success

anything else = bad credentials, document not found or usage limit exceeded

## DOCUMENT CONTROL

<b>Issue</b>	L	<b>Revision</b>	
<b>No. Of pages</b>	27	<b>Status</b>	Definitive

## AMENDMENT SUMMARY

<b>Date</b>	<b>Version</b>	<b>Comment / Remarks</b>
06/03/2009	A(1)	First draft for comment
10/03/2009	A	Definitive
20/03/2009	B(1)	Draft with additional national classifications
20/03/2009	B	Definitive
26/05/2009	C(1)	Draft correcting 'other' classification codes
06/10/2009	C(2)	Draft noting map data type issues
01/03/2010	C	Definitive
08/04/2010	D(1)	Welsh language classification update
08/04/2010	D	Definitive
14/07/2010	E(1)	New channel: Food safety and hygiene
14/07/2010	E	Definitive
27/08/2010	F(1)	Draft
27/08/2010	F	Definitive
02/09/2010	G(1)	Draft with more detailed Food safety channels
02/09/2010	G	Definitive
10/03/2011	H(1)	Draft with new AGR classification
10/03/2011	H	Definitive
22/03/2011	I(1)	Draft with new ts interlink screenshots
22/03/2011	I	Definitive
05/07/2011	J(1)	Draft with Travel section and Welsh language section translation
05/07/2011	J	Definitive
11/08/2014	K(1)	Contains minor corrections and new screenshots
11/08/2014	K	Definitive
06/01/2014	L(1)	Mention of content structure and inter-document links
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