



Using local DTD and XSD files after ONIX 2.1 sunset

The 'sunset date' for ONIX 2.1 is at the end of this year. From January 2015, EDItEUR's level of support for ONIX 2.1 – which been in use since mid-2003 – will be reduced.

Sunset is intended to encourage greater focus on the need to update systems and services to use ONIX 3.0. In order to allow organisations to make a smooth transition, to allow time for planning, budgeting, software development and implementation, the ONIX International Steering Committee – a body that includes representatives from BIC in the UK, BISG in the USA, MVB in Germany and many other trade organisations from around the world – announced the sunset date in January 2012. Given this three year notice period for transition, in many countries, ONIX 3.0 is now in widespread use.

Of course, migration from 2.1 to 3.0 has proceeded at different speeds among different organisations and different countries. There will inevitably be many organisations which will continue to use 2.1 into 2015. But those organisations that *are* still using 2.1 are strongly advised to update their systems to 3.0 as soon as possible.

Sunset does not mean that ONIX 2.1 will 'stop working'. But at sunset, some support for 2.1 provided by EDItEUR will be withdrawn. In particular:

- documentation relating to ONIX 2.1 will be archived;
- various XML tools will be removed from the website;
- codelists that are unique to ONIX 2.1 (for example lists 7 and 78, which are not used in ONIX 3.0) will be maintained for a further year, but will have to be downloaded separately.

If you are using 2.1, the removal of the XML tools – the DTD and XSD files hosted on EDItEUR's website – may cause problems in your IT systems.

Why? Every ONIX 2.1 file should start with this:

```
<?xml version="1.0"?>  
<!DOCTYPE ONIXMessage SYSTEM "http://www.editeur.org/onix/2.1/reference/  
onix-international.dtd">
```

('reference' could in some cases be 'short', depending which flavour of ONIX tags are used, and some implementations specify a particular release using something like '/2.1/02/reference'). That file called `onix-international.dtd` defines the structure of an ONIX file, and some IT systems rely on the presence of those files on the EDItEUR website for creating or validating the structure of ONIX files. That DTD file will be removed at sunset, potentially causing failures in production systems.

In fact, the DTD is a whole collection of files, and some organisations also make use of similar XSD schema files too.

If your ONIX applications rely on access to ONIX 2.1 DTD and XSD files on the EDItEUR website, then you must enable a workaround to avoid failures after sunset. Avoiding such failures is straightforward, but requires the use of a local copy of the various DTD and XSD files.

Organisations using commercial applications to create or manage their ONIX data should check with their software provider, as many will have implemented a local copy of the DTD and XSD files within their application already.

For those organisations with in-house applications that carry out validation of ONIX 2.1 files, or which require access to the DTD or XSD in constructor functions or for any other reason, there are many ways to implement this workaround, but the simplest is a two-step process:

1. set up a local copy of the files on an internal web server
2. modify the configuration of the machine that requires access to the DTD files so that it refers to the local copies instead

No changes should be made to the contents of the ONIX files themselves. Once these two steps have been completed, validations or constructor functions that require access to the DTD or XSD files should function without access to the files on the EDItEUR website.

The following instructions are intended for knowledgeable IT staff. There are numerous different ways of completing each of the steps, and details vary between different operating systems, so only outline instructions are given. You will need to have administrator-level access to the computer to make these changes. Although EDItEUR has tested the procedure on several versions of Windows and Mac OS, we cannot offer more detailed instructions or step-by-step technical help.

Step 1: Setting up a local copy of the DTD and XSD files

If your organisation already has an web server available on its internal network (an intranet server), then that is likely to be the most appropriate location for your own copy of the files. If your organisation is very small, then you might not have an internal web server, but a server can easily be set up on the same machine that requires access to the local DTD and XSD files. Do not use your public web server.

First, download a copy of the required files from the EDItEUR website, at http://www.editeur.org/files/ONIX%202.1/ONIX_2.1_local_DTD_and_XSD_files.zip Unzip the downloaded Zip file, and add the folder it contains called `onix` to the root level of the webserver. Do not alter the structure of sub-folders within `onix`.

If you set up the local copies on a server that is normally accessed using an address like <http://intranet/> then you should check that there is an ONIX readme file available at <http://intranet/onix/readme.html> – if you can access this information file, then your installation of the local files is correct. Of course, your own address for the server (the intranet part) is likely to be different, but the `/onix/readme.html` part should not be changed. If you set up the DTD and XSD files on the same machine that requires access to the files, then the readme file should be available at <http://localhost/onix/readme.html>

Step 2: Modifying the configuration of the machine requiring access to the DTD and XSD files

On the machine that requires access to the DTD or XSD files, locate the 'hosts' file. This is a file that links machine names (like www.editeur.org) to their network addresses (IP addresses like 192.168.1.127). The location of the hosts file on Windows is usually in `c:\windows\system32\drivers\etc\` and on Mac OS it is usually in `/etc`. The hosts file should have a number of entries looking like this:

```
127.0.0.1      localhost
::1           localhost
```

Do not change any of the existing entries, but add a line like this:

```
192.168.1.127 www.editeur.org
```

Your network address will be different – it should be the IP address of your local web server set up in step 1. If the web server is on the machine you are modifying, then the network address should be 127.0.0.1

What this will do is associate the `www.editeur.org` server name with your local web server instead of with EDItEUR's real web server. And when searching for the DTD or XSD files, the machine with the modified hosts file will use the local files.

ONLY change the hosts file on the machine that needs access to the local DTD and XSD files, as that particular machine will no longer be able to access the real EDItEUR website.

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