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Consignee Returns – A quick guide to the XML Schema

A guide to the Hazardous Waste Regulations

We are the Environment Agency. It's our job to look after your environment and make it **a better place** - for you, and for future generations.

Your environment is the air you breathe, the water you drink and the ground you walk on. Working with business, Government and society as a whole, we are making your environment cleaner and healthier.

The Environment Agency - out there, making your environment a better place.

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1.0 Aim

This technical document aims to provide a quick user guide on providing a consignee return using in-house technology according to the required XML schema of the Environment Agency.

The document is aimed at IT professionals.

The information in this guide is based on what we know at the moment. It may change in the future if there is a change in Law, guidance from the Government changes or as a result of our experience in regulating hazardous waste.

2.0 Preparing XML returns in house using the XML Schema

The XML Schema can be found on our website at: <http://www.environment-agency.gov.uk/hazwaste>

2.1 Transport

The XML operator return message must be sent into the Environment Agency inside another message transport XML document. This part of the document will hold transport and authentication information.

This document should follow the GovTalk XML Schema 2.0. The operator return schema should be inserted with the Body element of the GovTalkMessage. The namespace <http://environment-agency.gov.uk/operatorReturns/HazWaste> must be used for the operator return element.

2.2 Authentication

All authentication details will be put inside the govtalkMessage in the following fields.

XPATH	Description
/GovTalkMessage/Header/SenderDetails/IDAuthentication/SenderID	This will hold the use name given to the operator by the environment agency.
/GovTalkMessage/Header/SenderDetails/IDAuthentication/Authentication/Method	This must be 'MD5'
/GovTalkMessage/Header/SenderDetails/IDAuthentication/Authentication/Value	This must be a base 64 encoded MD5 hash of a concatenated string made up of permit & billing post code & site post code & user name & password see section 1.3
/GovTalkMessage/GovTalkDetails/Keys/Key[@Type='permitNumber']	The operators permit Number
/GovTalkMessage/GovTalkDetails/Keys/Key[@Type='billingPostcode']	Operators Billing Postcode

/GovTalkMessage/GovTalkDetails/Keys/ Key[@Type='sitePostcode']	The site post code
---	--------------------

2.3 Key Generation

Every document that is sent in must have an Authentication code stamped on it. This is done using the following steps and stored at location

/GovTalkMessage/Header/SenderDetails/IDAuthentication/Authentication/Value.

- Concatenate <Permit Number> + <Billing Post Code> + < Site Post Code > + <User name> + <Password>
- Apply the MD5 algorithm to the concatenated string
- Apply the Base64 algorithm to the string

2.4 Security Credentials

user name : hwthread2

password : operatorreturns

2.5 Application Identity

When an application creates an XML return file, the 'appName' and 'appVer' attributes must be filled in on the 'operatorReturn' element.

The 'appName' must be the name of the application that created the file and the 'appVer' must be the version of the application used to create the file. These can be the name and version number of your application which creates the XML Return File.

2.6 Business Data

The contents of the return must be contained within the name space <http://environment-agency.gov.uk/operatorReturns/HazWaste>.

2.7 Validation Process

When the schema files are submitted checks are done before the return is accepted and stored

- Using the permit number, billing post code and site post code – find a match for the consignee.
- Authenticate against the user name and password.
- Validate the operator return business data the schema.

2.8 Return Period start date

For the returns period July to September 2005, the XML consignee return file must include a start date of 01 July 2005.

3.0 Where should the electronic file be sent?

The XML returns can be sent to the Environment Agency by email to the following email account:

Hazwastereturn@environment-agency.gov.uk

If you are emailing the XML Return, please do not use the word 'Paper' in the subject box of the email. Apart from this, you are free to choose any appropriate text in the subject box.

Note that this account is used exclusively for receiving returns. It must not be used for queries or other communication with the HW Returns team.

Please do not contact the Hazardous Waste Returns Team to discuss IT compatibility issues. If you do, we will advise you to consult your own IT provider.

If you need to contact this team, please use the following contact details:

Email: HWreturnsteam@environment-agency.gov.uk

Do not send consignee returns to this email address. This is for correspondence only.

Telephone: 0845 6031043 **Fax number:** 01733 464949

In writing: Hazardous Waste Consignee Returns Team
The Environment Agency
PO Box 263
Peterborough
PE2 8YD

4.0 Correction of data

Under no circumstances will the Environment Agency amend any data in a return.

If you wish for data to be corrected, added or removed, the return must be cancelled. You will then be required to correct the appropriate data and resubmit the return

To cancel a return, you must call 0845 6031043. You will be requested to provide written consent to the cancellation, either by letter to:

Hazardous Waste Consignee Returns Team
The Environment Agency
PO Box 263
Peterborough
PE2 8YD Fax number: 01733 464949

Or via email: cancelhwreturn@environment-agency.gov.uk

This email address must only be used for notifying us of return cancellations. It must not be used to submit or resubmit returns.

Once cancelled, the return must be resubmitted to us.

Appendix A - Sample XML File

```
<?xml version="1.0" encoding="UTF-8"?>
<GovTalkMessage>
  <EnvelopeVersion>EnvelopeVersion</EnvelopeVersion>
  <Header>
    <MessageDetails>
      <Class>Class</Class>
      <Qualifier>request</Qualifier>
    </MessageDetails>
    <SenderDetails>
      <IDAuthentication>
        <SenderID>hwthread2</SenderID>
        <Authentication>
          <Method>MD5</Method>
          <Value>MDUyNUQ4M0ZCNDM1QzIzNzg2OTE0QTIIlREVFMjkzQzk= </Value>
        </Authentication>
      </IDAuthentication>
    </SenderDetails>
  </Header>
  <GovTalkDetails>
    <Keys>
      <Key Type="permitNumber">djr01</Key>
      <Key Type="billingPostcode">SN1 8YT</Key>
      <Key Type="sitePostcode">SN14 0GB</Key>
    </Keys>
    <ChannelRouting>
      <Channel>
        <URI/>
      </Channel>
    </ChannelRouting>
  </GovTalkDetails>
  <Body>
    <operatorReturn xmlns="http://environment-agency.gov.uk/operatorReturns/HazWaste" appName="Hazardous Waste
Operator Return - Data Collection Tool" appVer="1.1">
      <body>
        <hazardousWaste>
          <siteDetails>
            <postCode>SN14 0GB</postCode>
            <name>head office</name>
            <organisationName>CodaSciSys</organisationName>
            <billing>
              <address>
                <PAON>56</PAON>
                <StreetDescription>luton road</StreetDescription>
                <Locality>east cowes</Locality>
                <Town>southampton</Town>
                <AdministrativeArea>wiltshire</AdministrativeArea>
                <PostCode>SN1 8YT</PostCode>
              </address>
              <contact>
                <name>
                  <title>Mr</title>
                  <forename>Richard</forename>
                  <surname>Eley</surname>
                </name>
              </contact>
              <internalRef/>
            </billing>
            <return>
              <period>
                <startDate>2005-07-01</startDate>
                <endDate>2005-09-30</endDate>
              </period>
              <returnSubmissionDate>2005-09-28</returnSubmissionDate>
              <nullReturn>>false</nullReturn>
              <address>
                <PAON>31</PAON>
                <StreetDescription>methuen park</StreetDescription>
                <Locality>what goes here</Locality>
                <Town>chippenham</Town>
                <AdministrativeArea>wiltshire</AdministrativeArea>
                <PostCode>SN14 0GB</PostCode>
              </address>
              <contact>
                <telNo>01249466576</telNo>
                <emailAddress>darren@scisys.co.uk</emailAddress>
                <name>
                  <title>Mr</title>
                  <forename>Darren</forename>
                  <surname>Rhymer</surname>
                </name>
              </contact>
              <agencyArea>EA Wales - South West</agencyArea>
            </return>
            <consignmentNotes>
```

```

<consignmentNote>
  <noteNumber>DJR001/00001</noteNumber>
  <multiple>>false</multiple>
  <received>2005-09-08</received>
  <producer>
    <registrationNumber>DJR001</registrationNumber>
    <postcode>SE3 4RF</postcode>
  </producer>
  <codes>
    <EWCDetail>
      <EWC>010407</EWC>
      <physicalForm>S</physicalForm>
      <hazards>
        <hazard>H1</hazard>
        <hazard>H2</hazard>
        <hazard>H3</hazard>
      </hazards>
      <quantity>100</quantity>
      <disposalMode>D04</disposalMode>
    </EWCDetail>
  </codes>
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<consignmentNote>
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  <multiple>>false</multiple>
  <received>2005-09-09</received>
  <producer>
    <registrationNumber>DJR001</registrationNumber>
    <postcode>SE3 4RF</postcode>
  </producer>
  <codes>
    <EWCDetail>
      <EWC>010407</EWC>
      <physicalForm>S</physicalForm>
      <hazards>
        <hazard>H2</hazard>
      </hazards>
      <quantity>101</quantity>
      <disposalMode>D05</disposalMode>
    </EWCDetail>
  </codes>
</consignmentNote>
<consignmentNote>
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    <registrationNumber>DJR001</registrationNumber>
    <postcode>BA2 8EZ</postcode>
  </producer>
  <codes>
    <EWCDetail>
      <EWC>010407</EWC>
      <physicalForm>S</physicalForm>
      <hazards>
        <hazard>H3</hazard>
      </hazards>
      <quantity>102</quantity>
      <disposalMode>D06</disposalMode>
    </EWCDetail>
  </codes>
</consignmentNote>
<consignmentNote>
  <noteNumber>DJR001/00004</noteNumber>
  <multiple>>false</multiple>
  <received>2005-09-11</received>
  <producer>
    <registrationNumber>DJR001</registrationNumber>
    <postcode>SE3 4RF</postcode>
  </producer>
  <codes>
    <EWCDetail>
      <EWC>010407</EWC>
      <physicalForm>S</physicalForm>
      <hazards>
        <hazard>H4</hazard>
      </hazards>
      <quantity>103</quantity>
      <disposalMode>D07</disposalMode>
    </EWCDetail>
  </codes>
</consignmentNote>
<consignmentNote>
  <noteNumber>DJR001/00005</noteNumber>
  <multiple>>false</multiple>
  <received>2005-09-12</received>
  <producer>
    <registrationNumber>DJR001</registrationNumber>
    <postcode>SE3 4RF</postcode>
  </producer>
  <codes>

```

```
<EWCDetail>
  <EWC>010407</EWC>
  <physicalForm>S</physicalForm>
  <hazards>
    <hazard>H5</hazard>
  </hazards>
  <quantity>104</quantity>
  <disposalMode>D08</disposalMode>
</EWCDetail>
</codes>
</consignmentNote>
</consignmentNotes>
<Licence>djr01</Licence>
</siteDetails>
</hazardousWaste>
</body>
</operatorReturn>
</Body>
</GovTalkMessage>
```

**Would you like to find out more about us,
or about your environment?**

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enquiries@environment-agency.gov.uk**

**or visit our website
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