

	<b>FUNCTIONAL ANALYSIS AND DESIGN – AUTHOR INTERFACE RELEASE 3</b>	<b>Project / Subproject:</b> PLAN-JO No. 10030 / R3
		<b>Reference Number / Version:</b> D.FAD / 0.04

**PLAN-JO – RELEASE 3**

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Functional Analysis and Design – Author Interface  
Release 3

Version 0.04

28/01/2009


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## DOCUMENT HISTORY

Version	Date	Author	Reason for Modification	Action <sup>(*)</sup>	Confidentiality	Pages

(\*) Action: C= Creation, I=Insert, U=Update, R=Replace, D=Delete

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## CIRCULATION LIST

Person Name	Organisation Name

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## APPLICABLE AND REFERENCE DOCUMENTS

<b>Type (*)</b>	<b>Title</b>	<b>Identification</b>	<b>Ver</b>	<b>Date</b>
A1	ITT No 10030 – Technical specifications	Annex 1 to Contract		
A2	ITT No 10030 – Software Requirements Specification	Annex 1.A to the Technical Specification		
R1	D.FAD-Functional Analysis and Design		1.00	18/10/2006
R2	D.FAD-Functional Analysis and Design R2		0.05	20/02/2008

(\*) : *Reference document, Applicable document*

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## 1 Introduction

This document covers the functional specification of Release 3 with regard to the Author Interface that will upload automatically documents in PLAN-JO as defined in A2.

For a description of the 1<sup>st</sup> and 2<sup>nd</sup> releases of the Plan-JO system please refer to D.FAD-Functional Analysis and Design R1 and to the D.FAD-Functional Analysis and Design R2 documents.

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## 2 Author Interface

The new Author Interface module will exist in parallel to the existing tabbed “Upload Author files”.

The process for automatic upload is described below:

1. Author uploads a zip containing the files (Language versions), and an upload xml through FTP. This upload xml will include all necessary information that Plan-JO needs to upload the file automatically. The table 1 depicts the mapping between e-Grefe elements and document Metadata.
2. A scheduled job will run in Plan-JO in order to detect new Author’s uploads. The job will be able to run on predefined intervals (example: once every hour).
3. When a new upload is detected, Plan-JO will parse the xml file and proceed with the upload procedure in Plan-JO.
4. If the upload finishes successfully, a new task will be created for the RA.
5. After upload, whether successful or not, a notification message (xml) to e-Grefe, combining the acknowledgement and the upload result, and an email to the author or to the service manager will be sent.
  - In case of successful upload, the notification message (xml) will send back to the e-Grefe including the Document and the Manuscript reference. In addition, an email will be sent to the Author.
  - In case of unsuccessful upload (i.e. there is a difference between the received xml and the files, or invalid xml, or corrupted zip file), the notification message (xml) will contain the reason for aborting the upload. The Manuscript Reference and the Author’s email address may not be available in case we are dealing with not valid xml or corrupted zip file. Therefore, the email notification will be send by default to the Service manager, to the Reception Agents group and if it is possible to parse the xml file, to the Author.

XML files exchanged:

1. Upload xml
2. notification message to e-Grefe, notifying the upload output

The table below summarizes the mapping between e-Grefe elements and document Metadata

e-Grefe elements	Plan-JO	Comments
<xs:element name="Data" type="DataType"/>		
<xs:element name="ID_demande_pub" type="xs:string"/>		
<xs:element name="Institution" type="InstitutionType">	Institution code	
<xs:element name="Date_transmission" type="DateISOType">	Transmission Date (date / time the file was uploaded)	
<xs:element name="Type_doc" type="xs:string">	Document Type	
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<xs:element name="PublishOJ" type="xs:boolean" />		
<xs:element name="Seriejo" type="xs:string">	OJ Series	
<xs:element name="Date_publication" type="DateISOType">	Publication Date Requested	
<xs:element name="Date_adoption" type="DateISOType">	Date of Adoption	
<xs:element name="Lieu_adoption" type="xs:string"/>	Place(s) of Signature	
<xs:element name="Version_codifiee" type="xs:string">	Codified Version	
<xs:element name="Rubrique" type="xs:string">	OJ Heading	
<xs:element name="Sous_rubrique" type="xs:string">	OJ Sub heading	
<xs:element name="Signataire" type="xs:string"/>	Signatory name	
<xs:element name="Fonction_signataire" type="xs:string">	Signatory function (free text)	
<xs:element name="Num_inter" type="xs:string">	Interinstitutional No	
<xs:element name="Langue_ori" type="xs:string">	Language version of the original	
<xs:element name="Langue_foi" type="xs:string">	Authentic language (combo box or free text)	
<xs:element name="Durabilite" type="xs:string">	Duration	
<xs:element name="EGrefe_ID" type="xs:positiveInteger"/>	Manuscript Reference	
<xs:element name="Cote" type="xs:string" minOccurs="0">	Registration No	
<xs:element name="Interet_EEE" type="xs:string">	EEA relevance	
<xs:element name="Remarques" type="xs:string"/>	Comments (Attachment Form)	
<xs:element name="ProcedureInfo" type="ProcedureInfoType"/>	none	
<xs:element name="Contact" type="ContactType" maxOccurs="unbounded"/>	Contain information: <DisplayName> <FirstName> <LastName> <Type> <address> <Phone> <Fax>	

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	<EmailAddress>	
<xs:element name="Nombre_pages" type="xs:integer">	Manuscript Pages	
<xs:element name="Liste_langues" type="xs:string">	Languages to be published	
<xs:element name="Liste_noms_fichiers" type="FileInfoListType" maxOccurs="unbounded"/>	none	
<xs:element name="Titre" type="TitleType" maxOccurs="unbounded">	Official Title	
<xs:element name="Nom_fichier" type="FileInfoType" maxOccurs="unbounded">	Selected Files	
<xs:element name="ProcedureNumber" type="xs:string">	ProcedureNo	
<xs:element name="DGAuthor" type="DGType" minOccurs="0"/>	Contain information: <Name> <Address> <Telephone> <Direction> <Unit>	

**Table 1 Correspondence of e-Grefe elements with Plan-JO metadata**

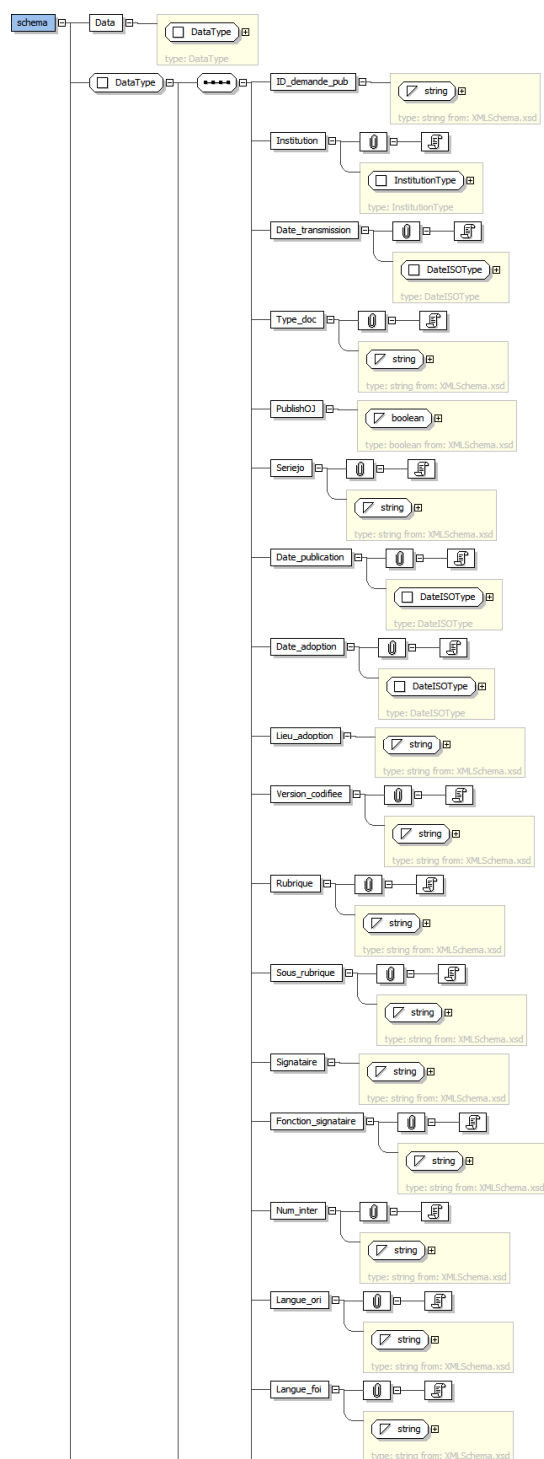
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## 3 Messages Exchanged (xsd)

### 3.1 Upload xml (xsd)



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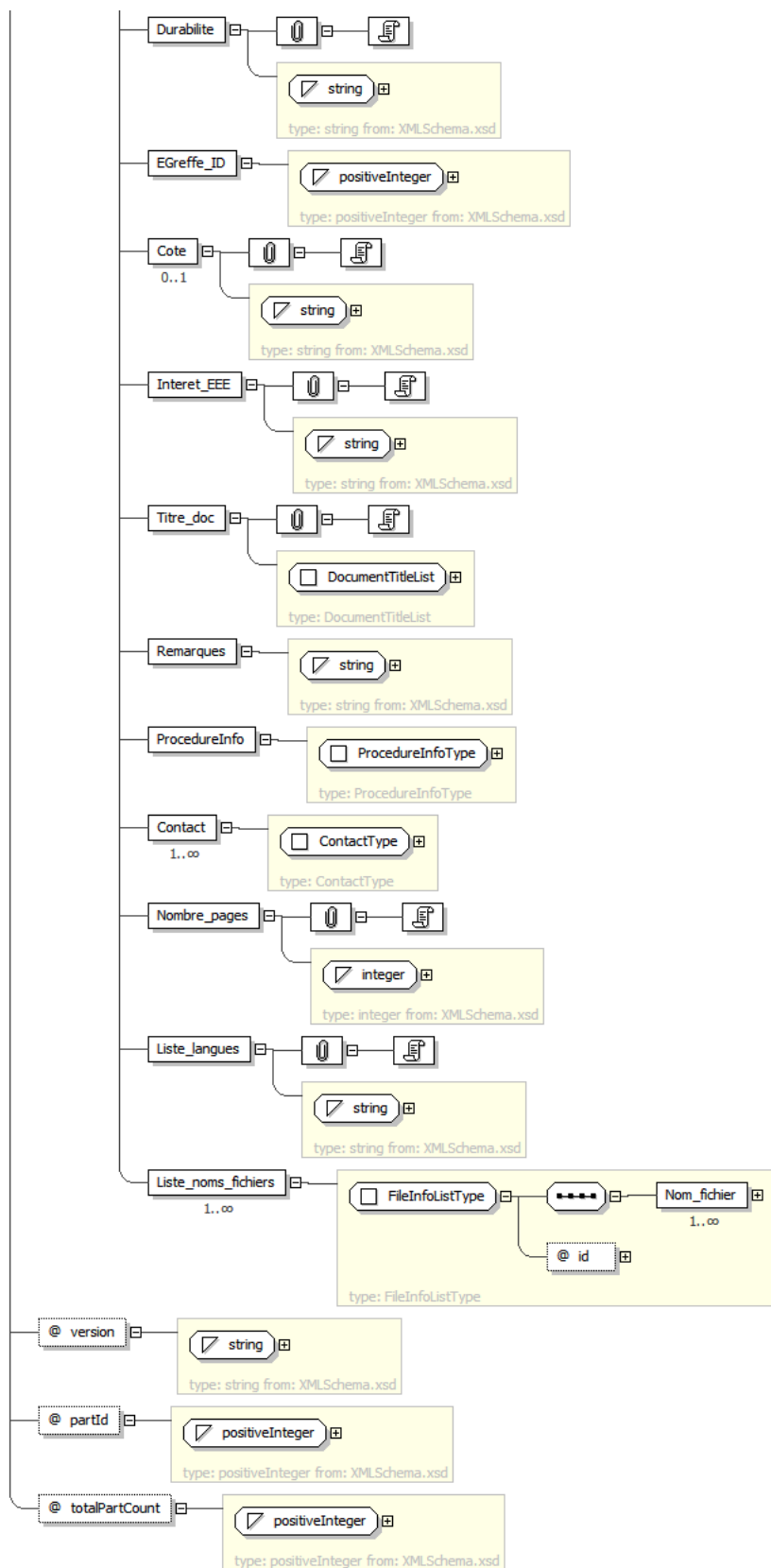
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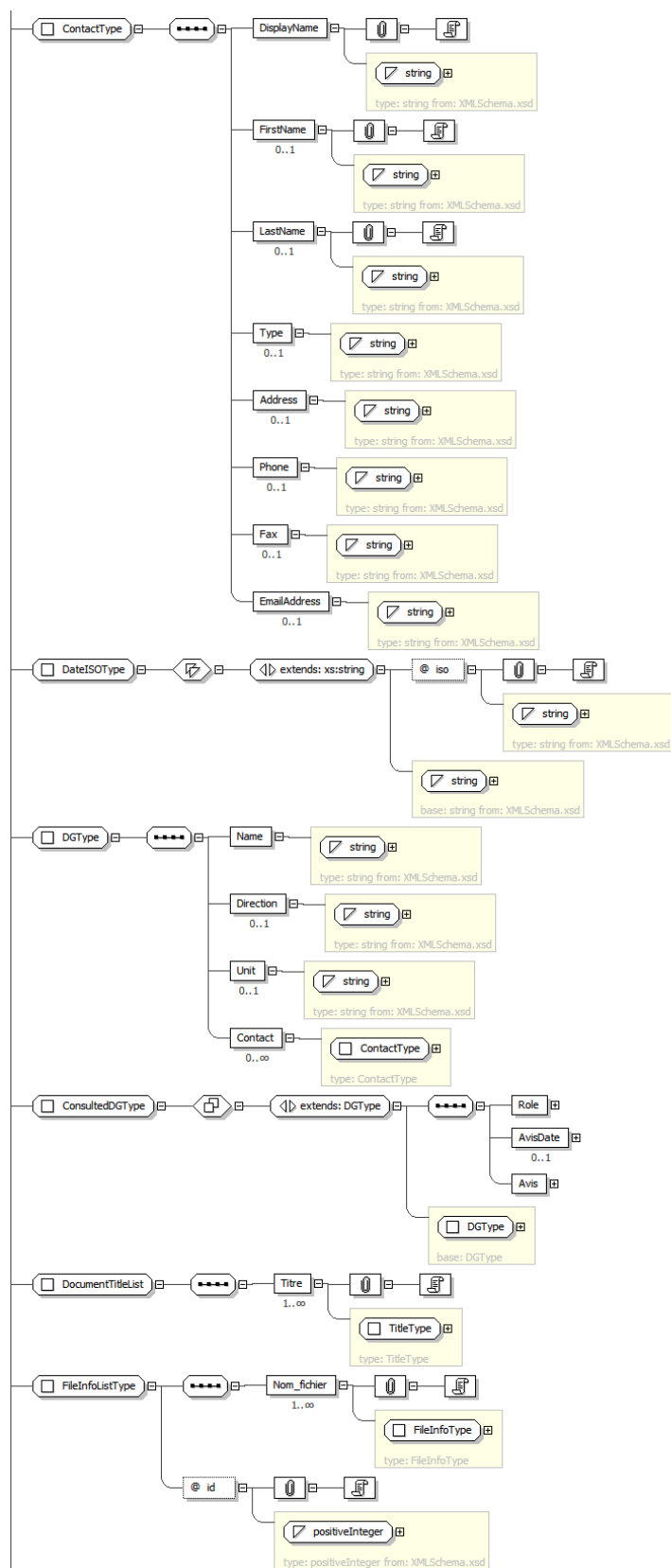
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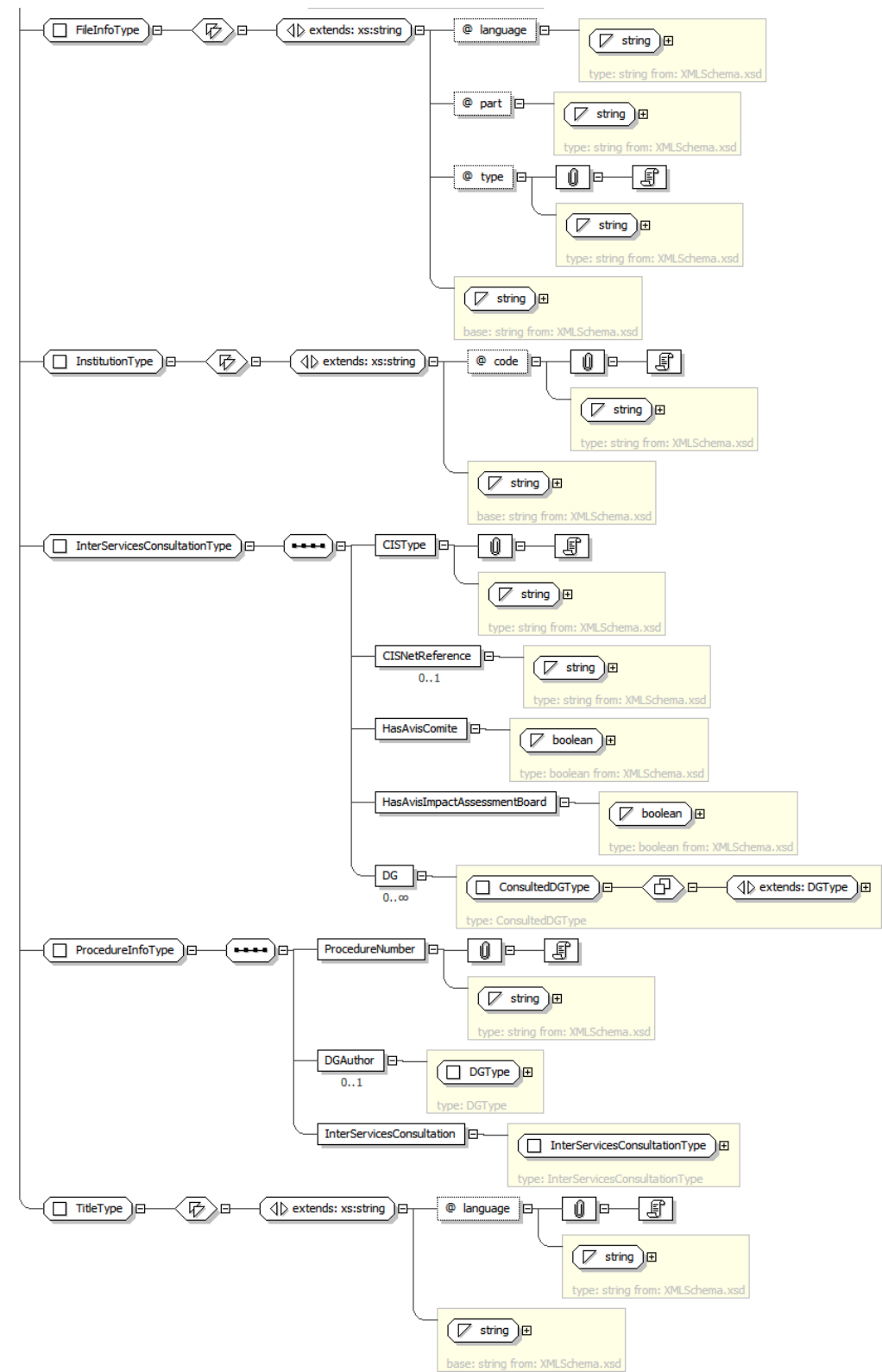
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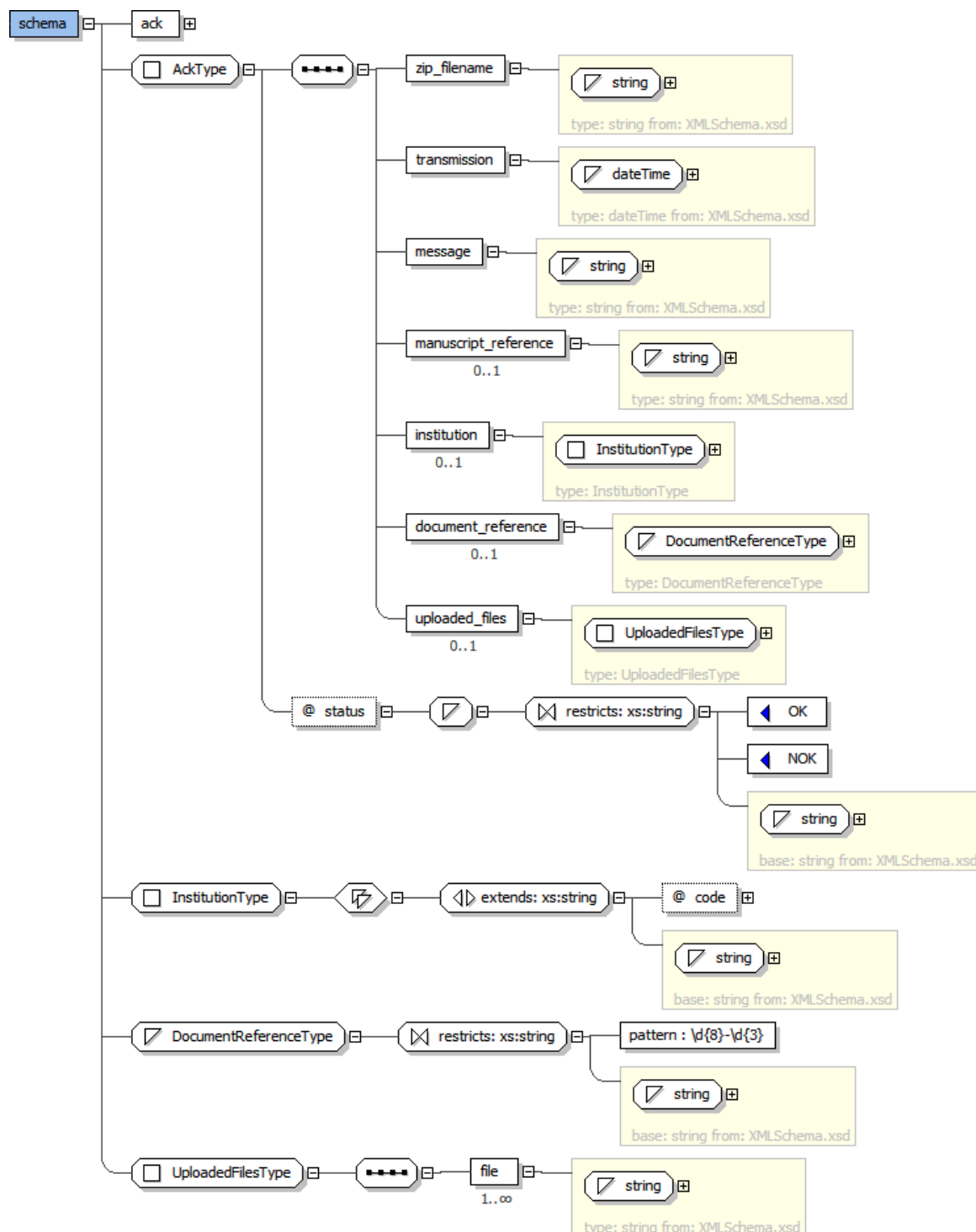


**Figure 1 Upload xml xsd**

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### 3.2 Notification message to e-Grefte, notifying the upload output

#### 3.2.1 Xsd



**Figure 2 Notification Message xsd**

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### 3.2.2 Sample xml files (OK – NOK)

#### Successful Upload Notification Message

```
<?xml version="1.0" encoding="UTF-8"?>
<ack xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:noNamespaceSchemaLocation="eGrefe-AcknowledgeMessage-v0.1.xsd"
      status="OK">
  <zip_filename>C_2008_8242_529077.zip</zip_filename>
  <transmission>2009-05-04T18:13:51</transmission>
  <message>The document was uploaded successfully</message>
  <manuscript_reference>529077</manuscript_reference>
  <institution code="com">Commission</institution>
  <document_reference>20090504-001</document_reference>
  <uploaded_files>
    <file>C_2008_8242_529077_EN_ACTE_1_p_2.doc</file>
    <file>C_2008_8242_529077_DE_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_FR_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_BG_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_ES_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_CS_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_DA_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_ET_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_EL_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_IT_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_LV_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_LT_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_HU_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_MT_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_NL_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_PL_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_PT_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_RO_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_SK_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_SL_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_FI_ACTE_1_p_1.doc</file>
    <file>C_2008_8242_529077_SV_ACTE_1_p_1.doc</file>
  </uploaded_files>
</ack>
```

#### Unsuccessful Upload Notification Message

```
<?xml version="1.0" encoding="UTF-8"?>
<ack xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:noNamespaceSchemaLocation="eGrefe-AcknowledgeMessage-v0.1.xsd"
      status="NOK">
  <zip_filename>C_2008_8242_529077.zip</zip_filename>
  <transmission>2009-05-04T18:13:51</transmission>
  <message>The zip file was corrupted</message>
</ack>
```

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## 4 USE CASES

The following represent functional requirements, in terms of Use Cases which will be delivered in release 3 of PLAN-JO.

The table below is a list of Use Cases corresponding to the analogous users involved.

Actor	Identifier	Use Case
Author	UC-0101	Automatic Upload of document
	UC-0102	Automatic Update of already uploaded document

**Table 2: Table of Use Cases**

### 4.1 UC-0101 – Automatic Upload of document

<i>Use Case ID</i>	UC-0101
<i>Use Case Name</i>	Automatic Upload of document
<i>Actors</i>	Author
<i>Description</i>	Documents send from author via ftp are uploaded automatically into PLAN-JO. A task is created for the Reception Agent.
<i>Pre-conditions</i>	<ul style="list-style-type: none"> <li>■ Author sends the document with the corresponding xml envelope through ftp server.</li> </ul>
<i>Post-conditions</i>	<ul style="list-style-type: none"> <li>■ Document is uploaded.</li> <li>■ Workflow for processing is created for this document and RA is receiving a task for the document.</li> </ul>
<i>Main success scenario</i>	<ol style="list-style-type: none"> <li>1. Author uses eGrefe to generate a zip file containing the files (LV's) and the metadata XML file and transfers the zip file through FTP</li> <li>2. System runs periodically a scheduled job and detects a new upload in the ftp.</li> <li>3. System parses the xml file and proceeds with the upload procedure.</li> <li>4. In case of successful upload, system creates a new task for the RA named “Author Files”.</li> <li>5. After upload, whether successful or not, system sends a notification message (xml) to e-Grefe, combining the acknowledgement and the upload output: <ul style="list-style-type: none"> <li>• In case of successful upload, a xml will be sent back to e-Grefe containing the Document and Manuscript reference.</li> <li>• In case of unsuccessful upload, the xml will contain the Manuscript Reference and the reason of aborting the upload. An email notification will be send to the Author.</li> </ul> </li> </ol>

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<i>Alternative sequence</i>	<none>
<i>Failure sequence</i>	Unsuccessful upload may be caused due to different causes (i.e. inconsistencies between the xml and the files sent by the Author)
<i>User interface</i>	

#### 4.2 UC-0102 – Automatic Update of already uploaded document

<i>Use Case ID</i>	UC-0102
<i>Use Case Name</i>	Automatic Update of already uploaded document
<i>Actors</i>	Author
<i>Description</i>	Documents send from author via ftp for existing documents. The files are uploaded automatically to the document into PLAN-JO. A task is created for the Reception Agent.
<i>Pre-conditions</i>	<ul style="list-style-type: none"> <li>■ Author sends the document with the corresponding xml envelope through ftp server.</li> </ul>
<i>Post-conditions</i>	<ul style="list-style-type: none"> <li>■ Language Files are uploaded in the Document.</li> <li>■ Workflow is created for the update of the document and RA is receiving a task for the document.</li> </ul>
<i>Main success scenario</i>	<ol style="list-style-type: none"> <li>1. Author uses eGreffé to generate a zip file containing the files (LV's) and the metadata XML file and transfers the zip file through FTP. The xml file will contain the manuscript reference of the document to be updated.</li> <li>2. System runs periodically a scheduled job and detects a new upload in the ftp.</li> <li>3. System parses the xml file and proceeds with the upload procedure.</li> <li>4. In case of successful upload, system creates a new task for the RA named "Document for Processing – New version(s)".</li> <li>5. After upload, whether successful or not, system sends a notification message (xml) to e-Greffé, combining the acknowledgement and the upload output: <ul style="list-style-type: none"> <li>• In case of successful upload, a xml message will be sent back to e-Greffé containing the Document and Manuscript reference.</li> <li>• In case of unsuccessful upload, the xml will contain the Manuscript Reference and the reason of aborting the upload. An email notification will be send to the Author.</li> </ul> </li> </ol>
<i>Alternative sequence</i>	<none>
<i>Failure sequence</i>	Unsuccessful upload may be caused due to different causes (i.e. inconsistencies between the xml and the files sent by the Author)
<i>User interface</i>	

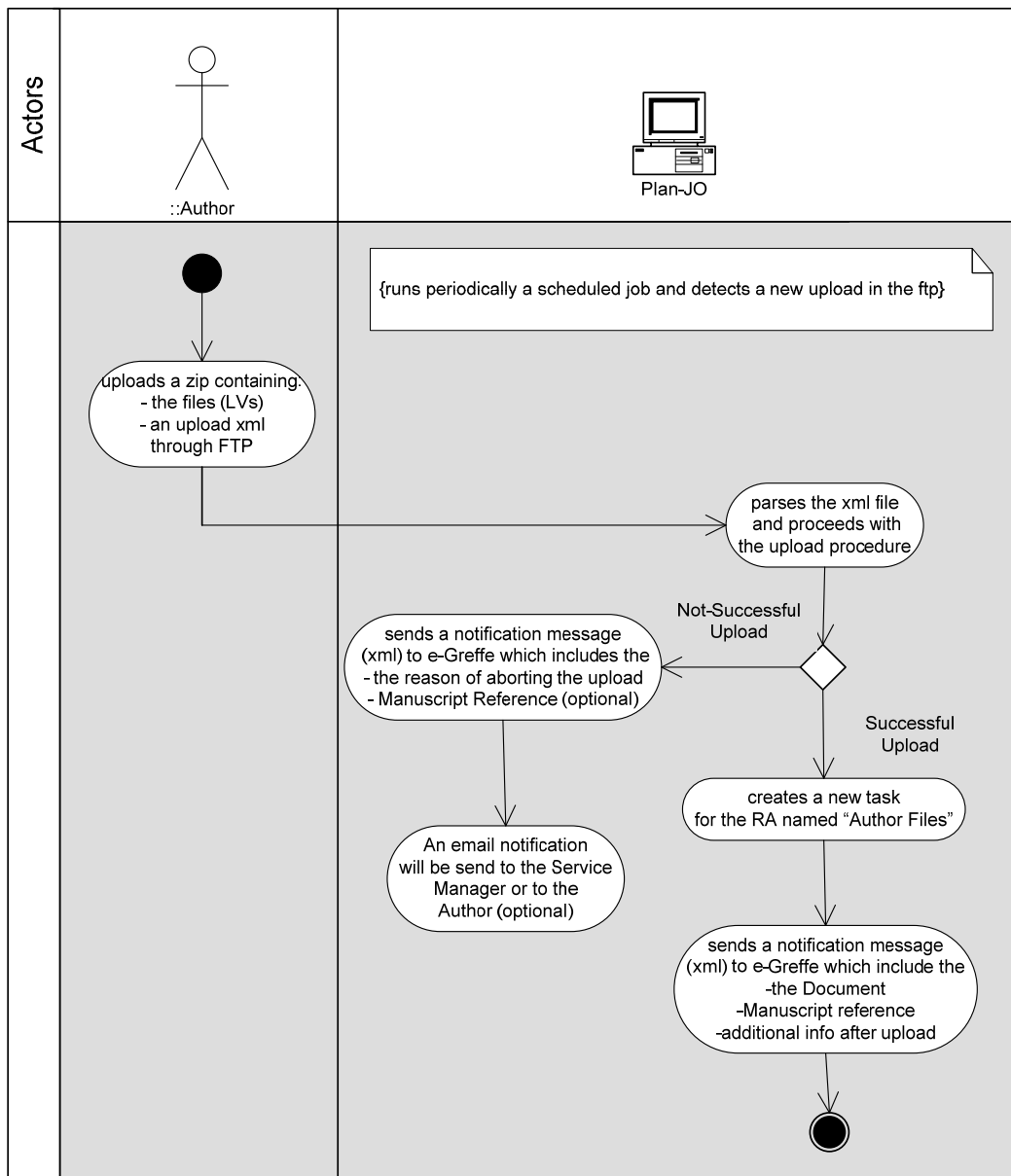
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## 5 UML Diagrams

### 5.1 Activity Diagrams

#### 5.2 UC-0101 – Automatic Upload of document



**Figure 3: Activities for Automatic Upload of document**

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### 5.3 UC-0102 – Automatic Update of already uploaded document

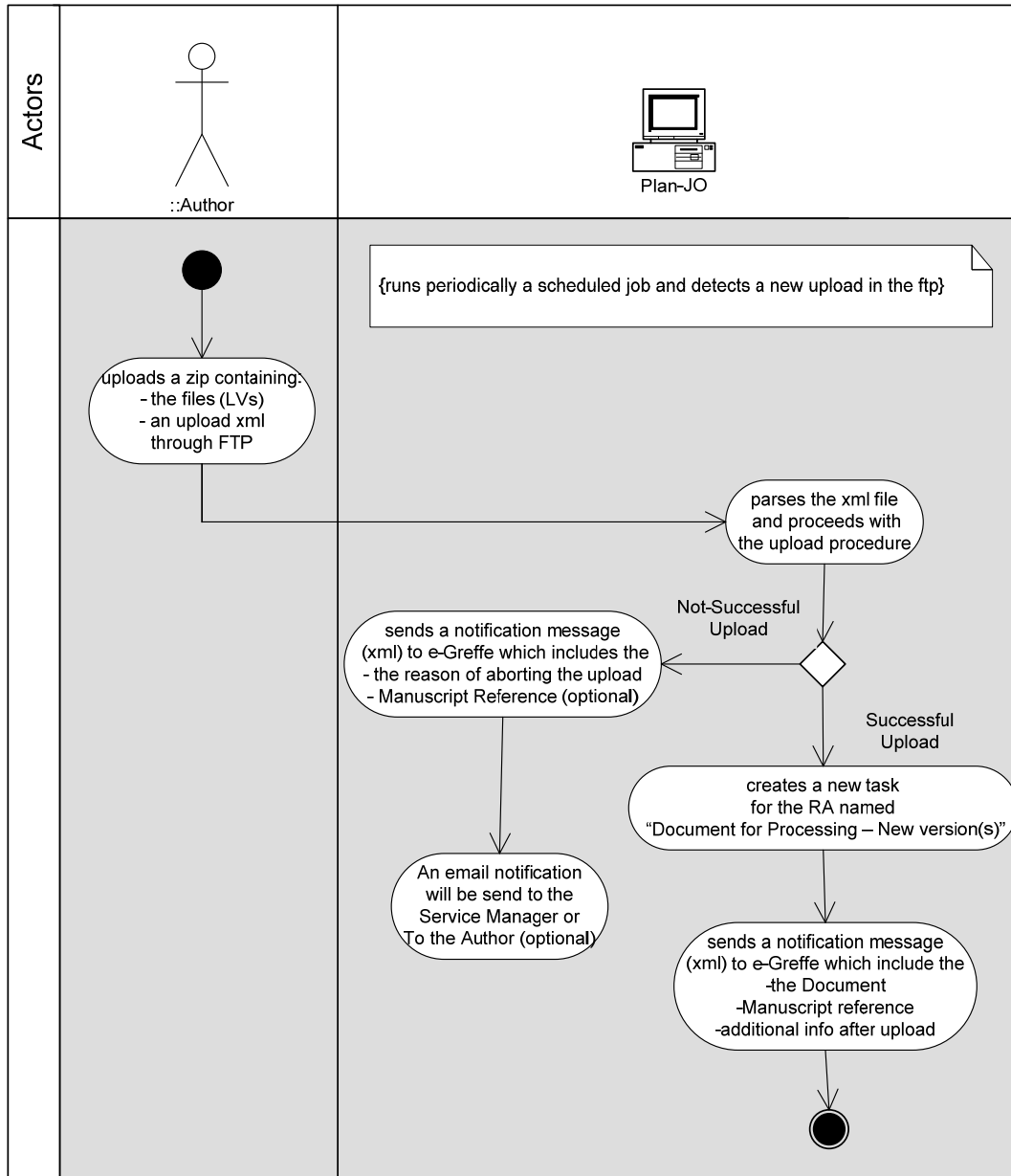


Figure 4: Activities for Automatic Update of already uploaded document

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