



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL INFORMATICS

Directorate B - Digital Business Solutions (DBS)

# Open e-PRIOR

## Getting Started

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## **Document History**

Version	Date	Comment	Modified Pages
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## 1. INTRODUCTION

This document provides a step-by-step guide on how to use the open source version of Open ePRIOR pre-award e-Submission module. It is an extension to the installation guide. It is considered that all steps from the *InstallationGuide.doc* have been completed successfully.

## 2. H2 DATABASE

### 2.1. H2 Console

Before you log in, the H2 database must be started.

Log In to the Cube and EPrior databases in two separate web browsers. Please note that the sessions cannot be started in the same web browser in different tabs. The credentials can be found in the JBoos standalone-full.xml configuration file.

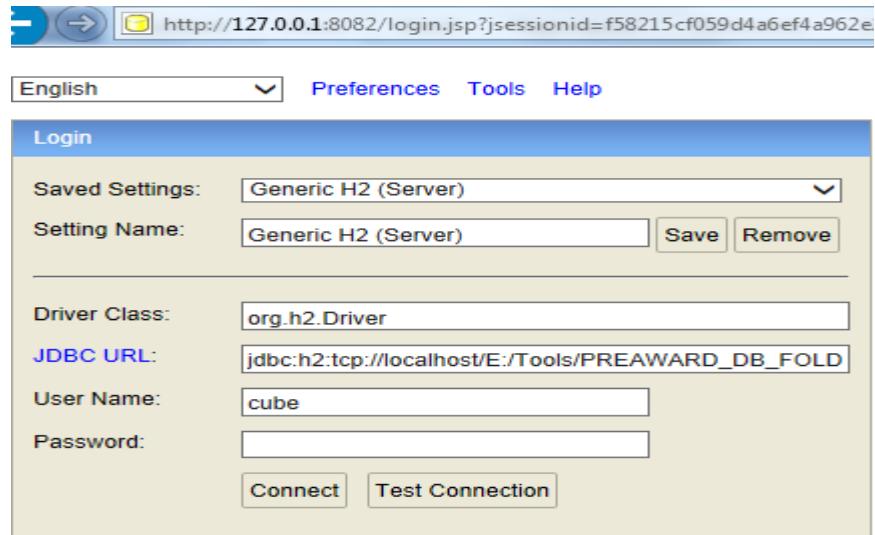
```
<datasource jta="false" jndi-name="java:/cubeDs" pool-name="cubeDs" enabled="true" use-ccm="true">
    <connection-url>jdbc:h2:tcp://localhost/E:/Tools/PREAWARD_DB_FOLDER/cubeopen</connection-url>
    <driver>h2</driver>
    <security>
        <user-name>cube</user-name>
        <password>cube</password>
    </security>
</datasource>
<datasource jta="false" jndi-name="java:/eTrustExDs" pool-name="eTrustExDs" enabled="true" use-ccm="true">
    <connection-url>jdbc:h2:tcp://localhost/E:/Tools/PREAWARD_DB_FOLDER/eprior</connection-url>
    <driver>h2</driver>
    <security>
        <user-name>PRIOR_USER</user-name>
        <password>OPEN4</password>
    </security>
</datasource>
```

**Figure 1 JBoos configuration file**

The H2 console should be launched automatically after executing the h2.bat batch file.

If not, launch the web browser within the following link:

<http://127.0.0.1:8082/login.jsp>



**Figure 2 H2 – Log in to Cube**

### 3. JBOSS SERVER

#### 3.1. JBoss Server – Add user

In order to log to the JBoss Console, a user must be created.

Execute the "AddUser.bat" script located in JBOSS\_FOLDER\bin\ on the both JBoss servers and follow a default scenario.

As a result, a user *eTest* (password: *test123*) was created.

```
E:\Tools\jboss-as-7.1.1.Final\bin>add-user.bat
What type of user do you wish to add?
a) Management User <mgmt-users.properties>
b) Application User <application-users.properties>
<a>:

Enter the details of the new user to add.
Realm <ManagementRealm> :
Username : eTest
Password :
Re-enter Password :
About to add user 'eTest' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'eTest' to file 'E:\Tools\jboss-as-7.1.1.Final\standalone\configuration\mgmt-users.properties'
Added user 'eTest' to file 'E:\Tools\jboss-as-7.1.1.Final\domain\configuration\mgmt-users.properties'
Press any key to continue . . .
```

**Figure 3 JBoos – AddUser.bat**

#### 3.2. JBoss Server – Servers launching

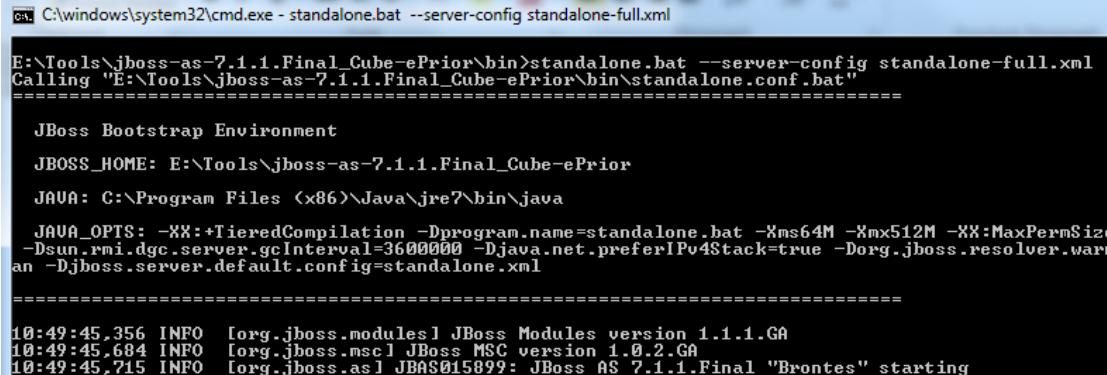
The JBoss servers must be launched in the following order:

1. BACKOFFICE – CUBE
2. FRONTOFFICE – Supplier Portal

### 3.2.1. Launch BACKOFFICE

Launch the following script located in JBoss BACKOFFICE\bin folder.

*standalone.bat --server-config standalone-full.xml*



```
C:\Windows\system32\cmd.exe - standalone.bat --server-config standalone-full.xml
E:\Tools\jboss-as-7.1.1.Final_Cube-ePrior\bin>standalone.bat --server-config standalone-full.xml
Calling "E:\Tools\jboss-as-7.1.1.Final_Cube-ePrior\bin\standalone.conf.bat"
=====
JBoss Bootstrap Environment
JBOSS_HOME: E:\Tools\jboss-as-7.1.1.Final_Cube-ePrior
JAVA: C:\Program Files <x86>\Java\jre7\bin\java
JAVA_OPTS: -XX:+TieredCompilation -Dprogram.name=standalone.bat -Xms64M -Xmx512M -XX:MaxPermSize=256M -Dsun.rmi.dgc.server.gcInterval=3600000 -Djava.net.preferIPv4Stack=true -Dorg.jboss.resolver.warning=true -Djboss.server.default.config=standalone.xml
=====
10:49:45,356 INFO [org.jboss.modules] JBoss Modules version 1.1.1.GA
10:49:45,684 INFO [org.jboss.msc] JBoss MSC version 1.0.2.GA
10:49:45,715 INFO [org.jboss.as] JBAS015899: JBoss AS 7.1.1.Final "Brontes" starting
```

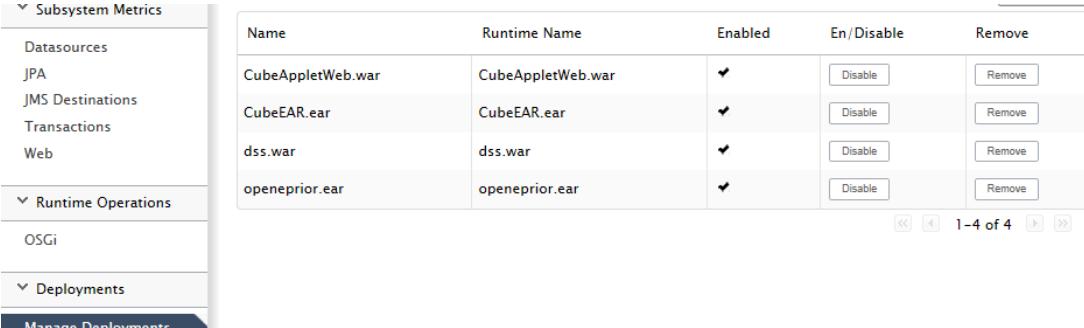
**Figure 4** Launching JBoss – BACKOFFICE

Launch the following link to open a console panel of the BACKOFFICE JBoss server.

<http://localhost:9990/console/App.html>

Enter the credentials according to 3.1 point.

Navigate to **Deployments->Manage Deployments** and verify if all deployments are enabled.



Name	Runtime Name	Enabled	En/Disable	Remove
CubeAppletWeb.war	CubeAppletWeb.war	✓	<input type="button" value="Disable"/>	<input type="button" value="Remove"/>
CubeEAR.ear	CubeEAR.ear	✓	<input type="button" value="Disable"/>	<input type="button" value="Remove"/>
dss.war	dss.war	✓	<input type="button" value="Disable"/>	<input type="button" value="Remove"/>
openeprior.ear	openeprior.ear	✓	<input type="button" value="Disable"/>	<input type="button" value="Remove"/>

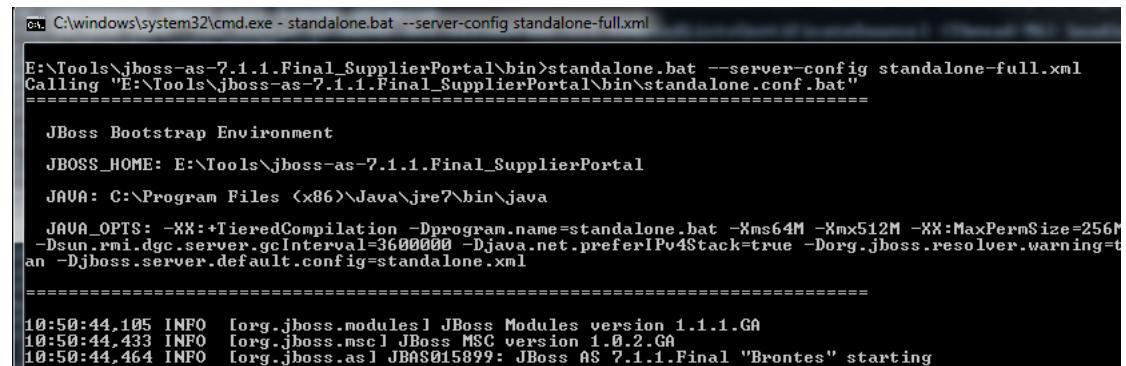
**Figure 5** JBoss – BACKOFFICE

### 3.2.2. Launch FRONTOFFICE

The FRONTOFFICE Portal must be launched as the second service after successful deployment of the JBoss BACKOFFICE server.

Launch the following script located in JBoss FRONTOFFICE\bin folder.

```
standalone.bat --server-config standalone-full.xml
```



```
C:\Windows\system32\cmd.exe - standalone.bat --server-config standalone-full.xml
E:\Tools\jboss-as-7.1.1.Final_SupplierPortal\bin>standalone.bat --server-config standalone-full.xml
Calling "E:\Tools\jboss-as-7.1.1.Final_SupplierPortal\bin\standalone.conf.bat"
=====
JBoss Bootstrap Environment
JBoss_HOME: E:\Tools\jboss-as-7.1.1.Final_SupplierPortal
JAVA: C:\Program Files <x86>\Java\jre7\bin\java
JAVA_OPTS: -XX:+TieredCompilation -Dprogram.name=standalone.bat -Xms64M -Xmx512M -XX:MaxPermSize=256M
-Dsun.rmi.dgc.server.gcInterval=3600000 -Djava.net.preferIPv4Stack=true -Dorg.jboss.resolver.warning=true
-Djboss.server.default.config=standalone.xml
=====

10:50:44,105 INFO [org.jboss.modules] JBoss Modules version 1.1.1.GA
10:50:44,433 INFO [org.jboss.msc] JBoss MSC version 1.0.2.GA
10:50:44,464 INFO [org.jboss.as] JBAS015899: JBoss AS 7.1.1.Final "Brontes" starting
```

**Figure 6 Launching JBoss – FRONTOFFICE**

Launch the following link to open a console panel of the FRONTOFFICE JBoss server.

<http://localhost:19990/console/App.html>

Enter the credentials according to 3.1 point.

Navigate to **Deployments->Manage Deployments** and verify if all deployments are enabled.



Name	Runtime Name	Enabled	En/Disable	Remove
dss.war	dss.war	✓	Disable	Remove
eptp.ear	eptp.ear	✓	Disable	Remove

**Figure 7 JBoss – FRONTOFFICE**

## **4. SUBMIT TENDER FOR PRE-INSTALLED CFT**

### **4.1. Back-Office - CUBE**

Launch the following link to open the Cube portal.

<http://localhost:8081/CubeWeb/preAward.cat>

In a pop up window enter the following credentials.

User: **cube**

Password: **cube**

### **4.2. CUBE – Find pre-installed CFT**

In the **Tasks** panel press the **Search** button. As a result, you should be able to retrieve two "Call for Tenders" that were pre-configured in the system for testing purposes.

The screenshot shows the 'Tasks' panel of the CUBE application. On the left, there is a 'Quick Search' section with fields for 'Internal Identifier (UUID)', 'Business Identifier', 'Procedure Type', and 'Life cycle status'. A 'Search' button is located at the bottom of this section. On the right, a results grid displays two entries:

UUID	Business ID
UUID_UC150_SC851	TEST/2012/AO-08
UUID_UC150_SC851	TEST/2012/AO-08

**Figure 8 CUBE- List of pre-installed CFT**

### **4.3. FRONT-OFFICE – Supplier Portal**

To open the supplier portal, launch the following link

<http://localhost:8080/eptpWeb/>

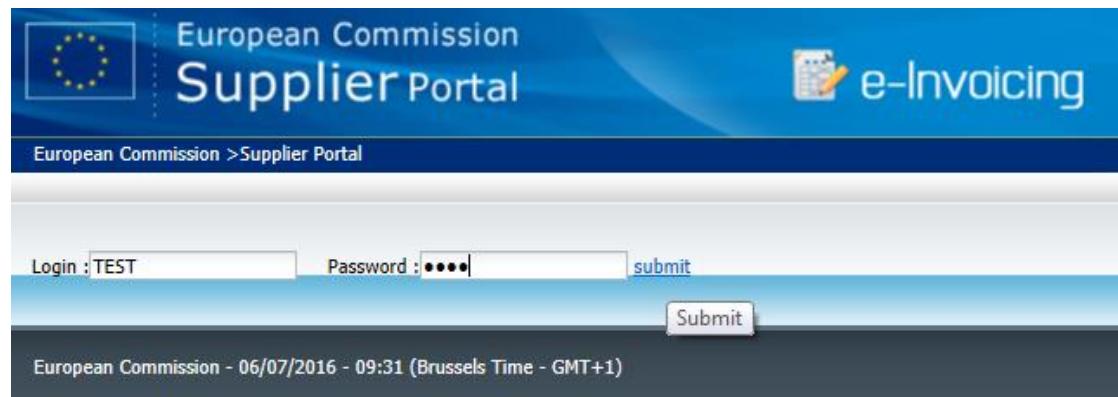


**Figure 9 Supplier Portal – Welcome Screen**

Secondly, click on **e-Submission** sub-module and log in using the following credentials:

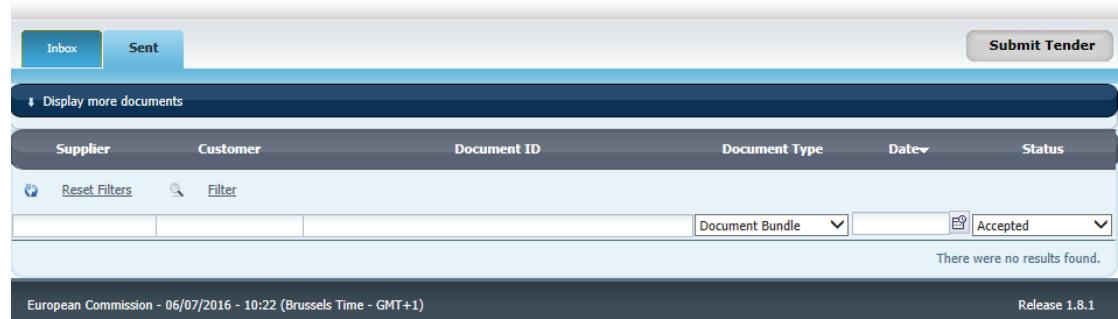
User: **TEST**

Password: **TEST**



**Figure 10 Supplier Portal – Log in**

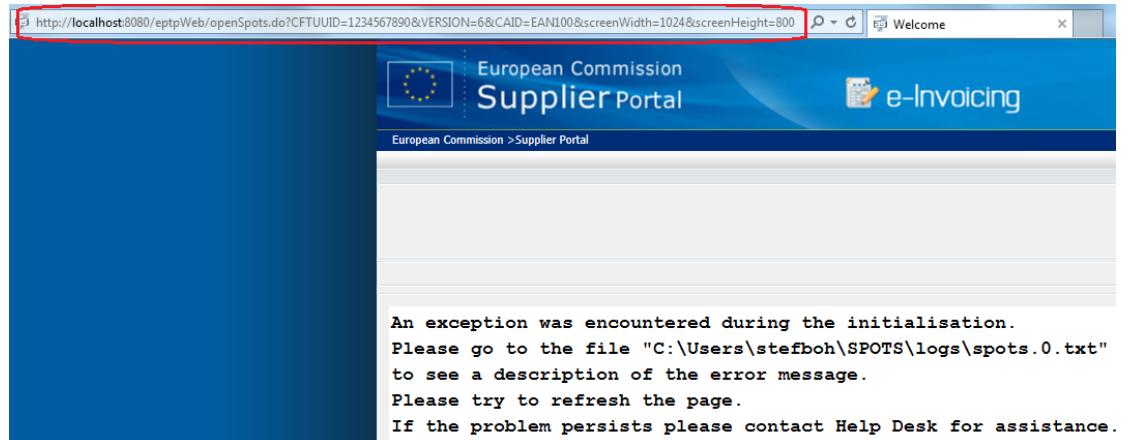
Once done, a dashboard will be displayed.



**Figure 11 Supplier Portal – Dashboard**

#### 4.4. SPOTS – Submit tender for CFT

On the Supplier Portal press the **Submit Tender** button. After that an applet (a.k.a. SPOTS) will be launched.



**Figure 12 Launching SPOTS - Workaround**

In order to submit a tender, a link must be generated manually, as described below:

1. Open **Cube** portal and click on the CFT for which the tender is supposed to be send.
2. Create a link as follows:  
<http://localhost:8081/eptpWeb/spots/openSpots.do?CFTUUID=XxX&VERSION=XxX&CAID=XxX&screenWidth=1000&screenHeight=850>

The screenshot shows the Cube portal interface. At the top, a table lists tenders by CFT ID, Business ID, Procedure Type, and Version. A specific row for CFT ID "UUID\_UC150\_SC851" is highlighted. Below the table, a red box highlights the URL: [http://localhost:8080/eptpWeb/openSpots.do?CFTUUID=UUID\\_UC150\\_SC851&VERSION=2&CAID=EAN100&screenWidth=1024&screenHeight=800](http://localhost:8080/eptpWeb/openSpots.do?CFTUUID=UUID_UC150_SC851&VERSION=2&CAID=EAN100&screenWidth=1024&screenHeight=800). The main content area shows sections for "Tendering internal data" and "Contracting authority". In the "Contracting authority" section, the GLN field is highlighted. To the right, a "Procurement project" section shows the number of responses received (2) and the name of the contracting authority (provision of scientific and technical assistance in the field of scientific customs).

**Figure 13 CUBE - Link for launching SPOTS preparation**

As a result, type the above-mentioned link in the same web browser (Tab).

[http://localhost:8081/eptpWeb/spots/openSpots.do?CFTUUID=UUID\\_UC150\\_SC851&VERSION=2&CAID=EAN100&screenWidth=1000&screenHeight=850](http://localhost:8081/eptpWeb/spots/openSpots.do?CFTUUID=UUID_UC150_SC851&VERSION=2&CAID=EAN100&screenWidth=1000&screenHeight=850)

Finally, refresh web browser within corrected link.



**Figure 14 CUBE – Corrected Link for SPOTS**

#### 4.5. SPOTS – Filling out a tender form

After typing the link, the form below will be displayed.

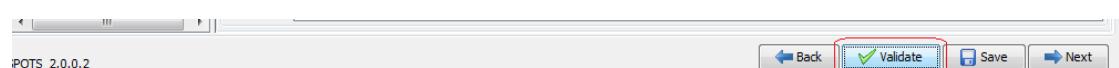
##### 4.5.1. Step 1 of 4

A screenshot of the European Commission Supplier Portal. The header features the EU flag and the text "European Commission Supplier Portal". On the right, there is a "e-Invoicing" icon. The main content area shows a "Call For Tender Name:" field with "Name" entered, a "Contracting Party:" field with "European Commission", and a progress bar indicating "Submission Wizard Step 1 of 4 (Introduction)". A welcome message "Welcome to the tender wizard !" is displayed at the bottom left.

**Figure 15 SPOTS – Tender wizard**

##### 4.5.2. Step 2 of 4

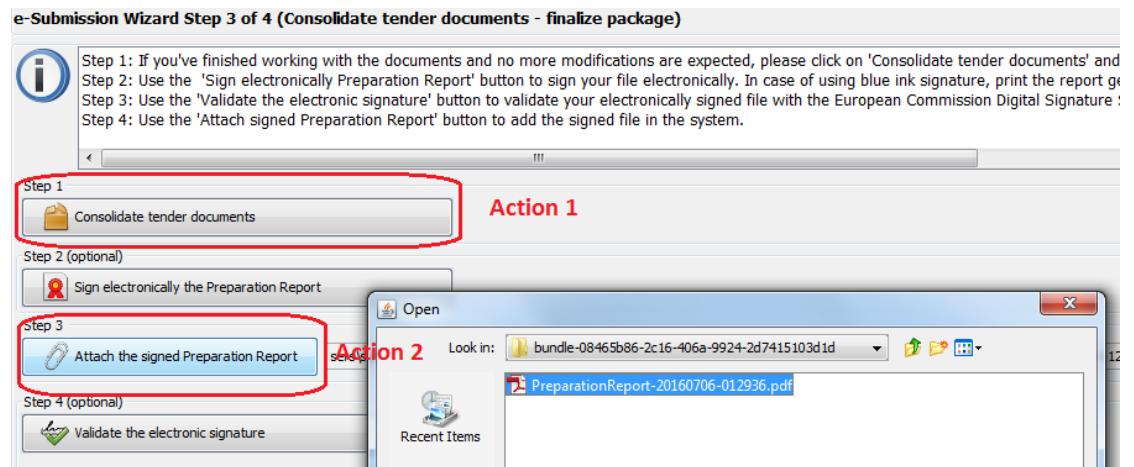
After having filled in the form, validate the tender.



**Figure 16 SPOTS – Validate Tender form**

#### 4.5.3. Step 3 of 4

Press the **Consolidate tender documents** button, secondly the **Attach the signed Preparation Report** button and attach a file as displayed below.



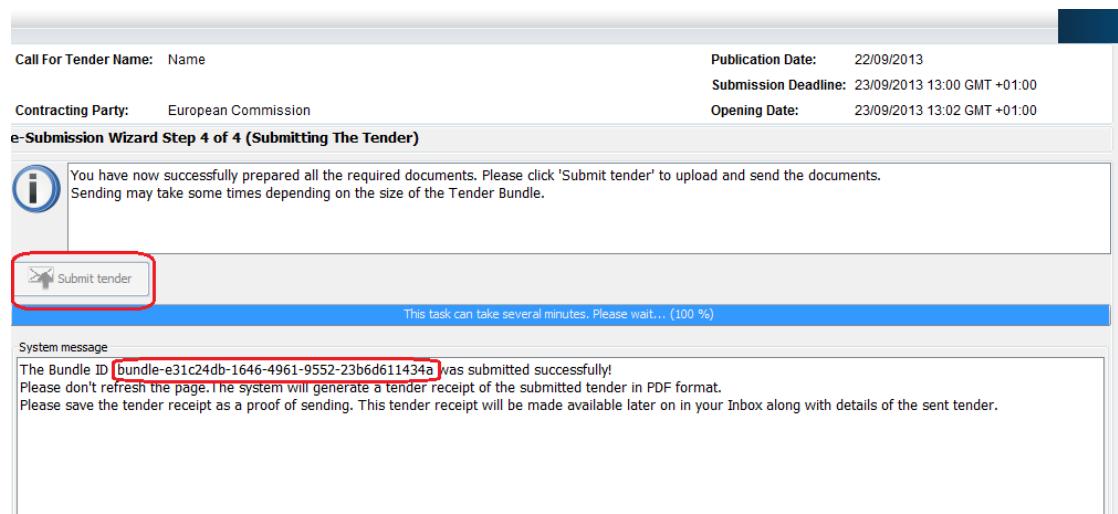
**Figure 17 SPOTS – Consolidate tender**

The below options are obsolete:

- *(Step 2) Sign electronically the Preparation Report*
- *(Step 4) Validate the electronic signature*

#### 4.5.4. Step 4 of 4

Press the **Submit tender** button and copy the **Bundle Id** value for the verification purpose.



**Figure 18 SPOTS – Tender successfully submitted**

#### 4.6. Supplier portal – Verifying a submitted tender

After the tender is submitted, press the **Supplier Portal** link and repeat the instructions given in 4.3 point.



**Figure 19 SPOTS – Back to Supplier Portal dashboard**

Finally, the submitted tender will be displayed in a dashboard as follows.

The screenshot shows the European Commission Supplier Portal dashboard. At the top, there is a blue header with the European Commission logo, the text "European Commission >Supplier Portal", and a "Help" link. Below the header, a navigation bar shows "Document Bundle bundle-e31c24db-1646-4961-9552-23b6d611434a from TEST to". The main content area displays two tables:

Document Bundle			
Document ID	Status	Date	Response
bundle-e31c24db-1646-4961-9552-23b6d611434a	???document.status.???	06/07/2016	<a href="#">Download</a>

1 item(s) found, displaying 1 to 1.

Related document			
Document ID	Status	Date	Response
24f291ee-20cf-4001-ae84-882b1db93303	Received By The Customer	06/07/2016	<a href="#">Download</a>

1 item(s) found, displaying 1 to 1.

**Figure 20 Supplier Portal – Submitted tender**

#### 4.7. CUBE – Verifying a submitted tender

Open the Cube portal and click on the CFT for which a tender has been already submitted.

The screenshot shows a web interface for managing tenders. At the top, a blue header bar contains the text '▼ Tenders'. Below it is a white content area. In the top left of this area, there is a section titled 'Number of responses received to date:' followed by the number '1'. To the right of this text is a red rectangular box with a black border, highlighting the number '1'. Below this section is another titled 'Received tenders per lot:' with a single item listed: '- En: CFT-1 - Ipswich Hospital, Ipswich' followed by the number '1' in a red box. At the bottom right of the content area, there are two green buttons: 'Preview Call for Tender' and 'Start/Join opening session'. The 'Start/Join opening session' button is highlighted with a red oval.

**Figure 21 CUBE – Evidence of submitted tender**

Before the opening session, download the private key file.

The private key can be found in the following svn repository:

[https://joinup.ec.europa.eu/svn/openeprior/branches/V\\_1\\_4\\_0\\_PRE\\_AW  
ARD/Implementation/CUBE/Configuration/PRIVATE\\_KEY](https://joinup.ec.europa.eu/svn/openeprior/branches/V_1_4_0_PRE_AWARD/Implementation/CUBE/Configuration/PRIVATE_KEY)

File: KeyPair.pem

Pass: **FakeCfT123**

Click on the **Start/Join opening session** button.

Enter the mentioned above private key file and password in a popup window.

Finally, the following screen within the details of the submitted tender will be displayed.

The screenshot shows the CUBE platform's tender submission details. In the top left, under 'Automatic validation checks', items are listed with status icons: Submitted on time (warning), Integrity (green checkmark), Structure (green checkmark), Signature (warning, with a 'details' link), Submitted for the latest CallForTenders version (green checkmark), and Status (RECEIVED). To the right, a 'Documents' section lists several files: PreparationReport-20160707-022551.pdf, summary.xml, tendererQualification.pdf, tender.pdf, Qualification, and Tender.

**Figure 22 CUBE – Details of the submitted tender**

## 5. SUBMIT NEW CFT

### 5.1. Submit CFT – SoapUI example

From the following SVN url:

[https://joinup.ec.europa.eu/svn/openeprior/branches/V\\_1\\_4\\_0\\_PRE\\_AW  
ARD/Tests/SOAPUI/](https://joinup.ec.europa.eu/svn/openeprior/branches/V_1_4_0_PRE_AWARD/Tests/SOAPUI/)

Copy the SoapUI project:

UC140-Submit-CallForTenders-soapui-project.xml

Open a request and enter the unique value for the UUID property as follows:

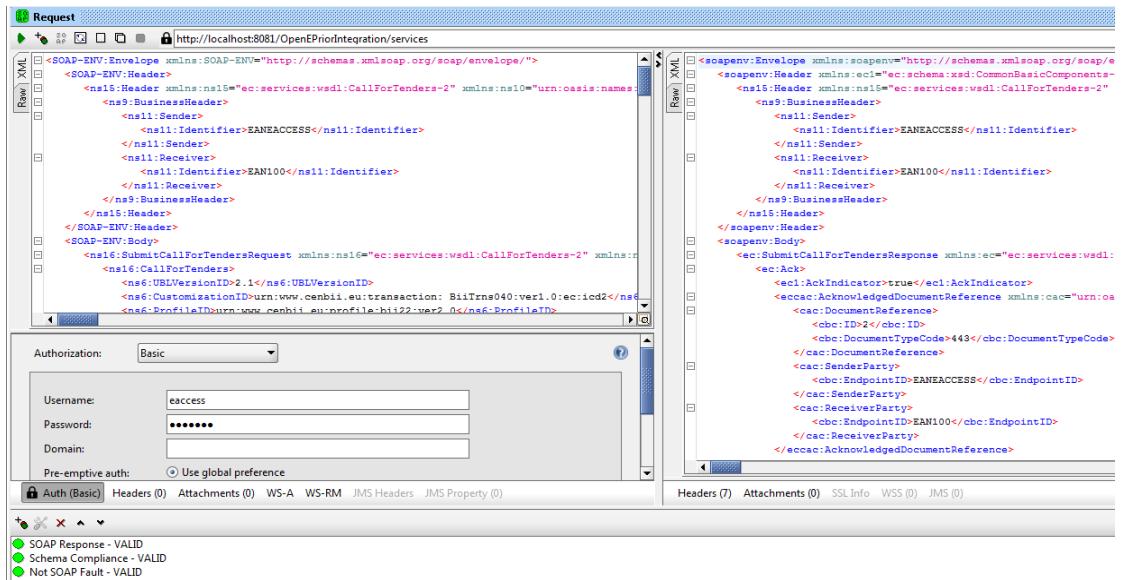
<ns6:UUID>**20160708-0945**</ns6:UUID>

Go to the **Auth(Basic)** Tab and enter the following credentials:

User: **eaccess**

Pass: **eaccess**

Finally, submit the request and verify a response.



**Figure 23** SoapUI – Submitting CFT

## 5.2. Verify submitted CFT – EPrior database

Log in to the EPrior database and execute the following SQL query:

*SELECT \* FROM EPR\_TB\_MESSAGE order by MSG\_ID desc*

*(2 new rows are added)*

Run (Ctrl+Enter) Clear SQL statement:  
SELECT \* FROM EPR\_TB\_MESSAGE order by MSG\_ID desc

CFT generated by the backoffice CUBE

MSG_ID	MSG_CRE_DT	MSG_CRE_ID	MSG_MOD_DT	MSG_MOD_ID	MSG_OBJ_ID	MSG_SUP_ID	MSG_AGR_ID	MSG_IDP_ID	MSG_DIRECTION	MSG_MST_CD
375	2016-07-08 09:49:22.336	eprior	2016-07-08 09:49:22.336	eprior	282	39	46	0	OUT	CALL_FOR_TENDER
374	2016-07-08 09:49:17.847	eprior	2016-07-08 09:49:17.847	eprior	281	38	45	0	IN	CALL_FOR_TENDER

CFT Submitted to EPrior DB

**Figure 24** EPrior DB– Evidence of submitted CFT

## 5.3. Verify submitted CFT – Cube database

Log in to the Cube database and execute the following SQL query:

*SELECT \* FROM TND\_TB\_CFT order by CFT\_ID desc*

Copy the CFT\_ID value for the future purposes.

The screenshot shows a database interface with a left sidebar containing a tree view of tables under 'jdbc:h2:tcp://localhost/E/Tools/PREAWARD\_DB\_FOLDER/cubeopen'. The tables listed are: CAT\_PARTY\_JURISDICTION\_ADDRESS, CAT\_REQ\_ITM\_LOC\_QT\_ALLOWANCE, CAT\_TB\_ACTION, CAT\_TB\_ADDRESS, CAT\_TB\_ADD\_ITM\_PRP, CAT\_TB\_ADD\_ITM\_PRP\_GRP, CAT\_TB\_ALLOWANCE\_CHARGE, CAT\_TB\_APPLICABLE\_TAX\_CATEGORY, and CAT\_TB\_APPLICABLE\_TERR\_ADDR. To the right is a results grid for the query 'SELECT \* FROM TND\_TB\_CFT order by CFT\_ID desc;'. The grid has columns: CFT\_ID, CFT\_CRE\_DT, CFT\_CRE\_ID, CFT\_MOD\_DT, CFT\_MOD\_ID, CFT\_UUID, and CFT\_STATUS. A single row is shown with values: 124, 2016-07-08 09:49:18.012, CUBE, 2016-07-08 09:49:18.012, CUBE, 20160708-0945, and CUBE. The entire row is highlighted with a red box.

**Figure 25 Cube DB – Evidence of submitted CFT**

Verify a status of submitted CFT.

```
SELECT VER_CRE_DT, VER_STATUS FROM TND_TB_CFT_VERSION where VER_CFT_ID =124
```

The screenshot shows a database interface with a left sidebar containing a tree view of tables under 'jdbc:h2:tcp://localhost/E/Tools/PREAWARD\_DB\_FOLDER/cubeopen'. The tables listed are: CAT\_PARTY\_JURISDICTION\_ADDRESS, CAT\_REQ\_ITM\_LOC\_QT\_ALLOWANCE, CAT\_TB\_ACTION, CAT\_TB\_ADDRESS, CAT\_TB\_ADD\_ITM\_PRP, CAT\_TB\_ADD\_ITM\_PRP\_GRP, CAT\_TB\_ALLOWANCE\_CHARGE, CAT\_TB\_APPLICABLE\_TAX\_CATEGORY, and CAT\_TB\_APPLICABLE\_TERR\_ADDR. To the right is a results grid for the query 'SELECT VER\_CRE\_DT, VER\_STATUS FROM TND\_TB\_CFT\_VERSION where ver\_CFT\_ID =124;'. The grid has columns: VER\_CRE\_DT and VER\_STATUS. One row is shown with values: 2016-07-08 09:49:18.186 and READY\_FOR\_OPENING. The 'READY\_FOR\_OPENING' cell is highlighted with a red box.

**Figure 26 Cube DB – Status of submitted CFT**

#### 5.4. Workaround on Cube

Execute the following SQL query as a workaround to make CFT visible in the CUBE portal.

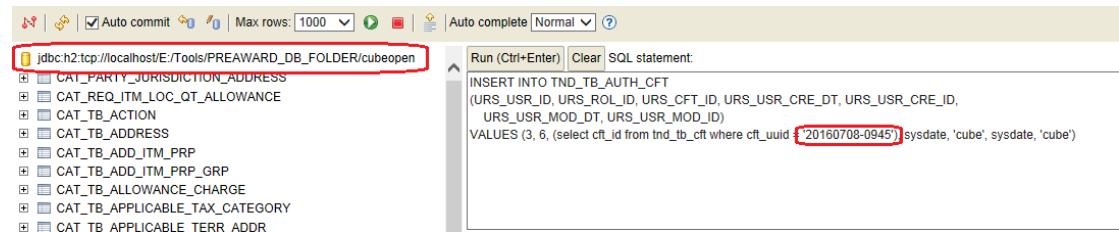
```
INSERT INTO TND_TB_AUTH_CFT
(URS_USR_ID, URS_ROL_ID, URS_CFT_ID, URS_USR_CRE_DT, URS_USR_CRE_ID,
 URS_USR_MOD_DT, URS_USR_MOD_ID)
VALUES (3, 6, XXX, sysdate, 'cube', sysdate, 'cube')
```

The screenshot shows a database interface with a left sidebar containing a tree view of tables under 'jdbc:h2:tcp://localhost/E/Tools/PREAWARD\_DB\_FOLDER/cubeopen'. The tables listed are: CAT\_PARTY\_JURISDICTION\_ADDRESS, CAT\_REQ\_ITM\_LOC\_QT\_ALLOWANCE, CAT\_TB\_ACTION, CAT\_TB\_ADDRESS, CAT\_TB\_ADD\_ITM\_PRP, CAT\_TB\_ADD\_ITM\_PRP\_GRP, CAT\_TB\_ALLOWANCE\_CHARGE, CAT\_TB\_APPLICABLE\_TAX\_CATEGORY, CAT\_TB\_APPLICABLE\_TERR\_ADDR, CAT\_TB\_AUTH\_ACTION\_ROLE, CAT\_TB\_AUTH\_CONTRACT, CAT\_TB\_AUTH\_ROLE, CAT\_TB\_AUTH\_USER, CAT\_TB\_AUTH\_USER\_ROLES, and CAT\_TB\_AVAILABLE\_LANGUAGES. To the right is a results grid for the query 'INSERT INTO TND\_TB\_AUTH\_CFT (URS\_USR\_ID, URS\_ROL\_ID, URS\_CFT\_ID, URS\_USR\_CRE\_DT, URS\_USR\_CRE\_ID, URS\_USR\_MOD\_DT, URS\_USR\_MOD\_ID) VALUES (3, 6, 124, sysdate, 'cube', sysdate, 'cube');'. Below the grid, the message 'Update count: 1 (1 ms)' is displayed.

**Figure 27 Cube DB – Workaround SQL query**

Alternatively, use the following SQL subquery:

```
INSERT INTO TND_TB_AUTH_CFT
(URS_USR_ID, URS_ROL_ID, URS_CFT_ID, URS_USR_CRE_DT, URS_USR_CRE_ID,
 URS_USR_MOD_DT, URS_USR_MOD_ID)
VALUES (3, 6, (select cft_id from tnd_tb_cft where cft_uuid = '20160708-0945'), sysdate, 'cube', sysdate, 'cube')
```



**Figure 28 Cube DB – Workaround SQL query (alternative)**

After the execution of the workaround, CFT will be displayed in a dashboard.

The screenshot shows the CUBE application interface. On the left, there is a sidebar with search filters for 'Tasks', 'Quick Search', 'Internal Identifier (UUID)', 'Business Identifier', 'Procedure Type', and 'Life cycle status'. A green 'Search' button is at the bottom. On the right, a grid displays search results with columns: UUID, Business ID, Procedure Ty, Version, Issue Date, and Status. One row in the grid is highlighted with a red border, showing the values: 20160708-0945, CFT1/2013/AO-02, 1, 1, 05/01/2013, and READY\_FOR\_OPENING.

**Figure 29 Cube – submitted CFT**

Once done, follow the instructions given in point 4 to submit a tender for an already submitted CFT.

After execution the instructions given in point 4, as a final verification, log in to the EPrior database and execute the following SQL query.

*SELECT \* FROM EPR\_TB\_MESSAGE order by MSG\_ID desc*

*(3 new rows are added)*

The screenshot shows a JDBC terminal connected to the EPrior database. The SQL statement executed is: `SELECT * FROM EPR_TB_MESSAGE order by MSG_ID desc;`. The results are displayed in a table with columns: MSG\_ID, MSG\_CRE\_DT, MSG\_CRE\_ID, MSG\_MOD\_DT, MSG\_MOD\_ID, MSG\_OBJ\_ID, MSG\_SUP\_ID, MSG\_AGR\_ID, MSG\_IDP\_ID, MSG\_DIRECTION, and MSG\_MST\_CD. Four rows are shown, with the last three highlighted by a red box. The table has a header row and several footer rows. The text "Tender Receipt generated by the backoffice CUBE" is visible above the results, and "Tender submitted to EPrior DB" is at the bottom right.

MSG_ID	MSG_CRE_DT	MSG_CRE_ID	MSG_MOD_DT	MSG_MOD_ID	MSG_OBJ_ID	MSG_SUP_ID	MSG_AGR_ID	MSG_IDP_ID	MSG_DIRECTION	MSG_MST_CD
378	2016-07-08 13:12:02.964	eprior	2016-07-08 13:12:02.964	eprior	284	0	0	0	OUT	ATTACHMENT
377	2016-07-08 13:12:01.982	eprior	2016-07-08 13:12:01.982	eprior	283	0	0	0	OUT	TENDER_RECEIPT
376	2016-07-08 13:11:49.627	eprior	2016-07-08 13:11:49.627	eprior	283	0	0	0	IN	BUNDLE
375	2016-07-08 09:49:22.336	eprior	2016-07-08 09:49:22.336	eprior	282	39	46	0	OUT	CALL_FOR_TENDER
374	2016-07-08 09:49:17.847	eprior	2016-07-08 09:49:17.847	eprior	281	38	45	0	IN	CALL_FOR_TENDER

**Figure 30 EPrior DB – Evidences of submitted a tender**