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| Bayer healthcare Doc41 Web UI |
| Functional Specification |
| Business Units SD, QM, PT |
|  |
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# General Requirements

Doc41 Web UI will be an internet web application hosted on the Bayer HealthCare BOE environment for external users from Bayer partners who are authorized to download and/or upload Bayer-relevant documents to the Bayer HealthCare KGS Store via the Doc41 core project results.

The application provides an integrated user management for external users with a role concept which allows to bind Doc41 document types to certain roles. External users will have one or more roles to interact with the system and download and upload documents of an allowed type derived from their role set.

Doc41 Web UI will use - if possible - the RFC interfaces already in place for the internal Doc41 Webclient for downloading and uploading documents.

Furthermore, Doc41 Web UI will need several RFCs to the BHC P2R system in order to work properly during the authorization workflow for external users downloading or uploading documents from the Doc41 core system.

# Doc41 Web UI Core System

## User Management

The User Management must contain following functions:

* Createuser
* Delete user
* Change user data
* Add role to user
* Permission check
* New password for external user
* Connection to WebSEAL
* Connection to LDAP

### Create user

#### Create internal user

Search user in internal LDAP and get user information.

Import user into Doc41WebUI database.

Set Doc41WebUI group in LDAP.

#### Create external user

Enter user information.

Store user into Doc41WebUI database.

Set Doc41WebUI group in DMZ-LDAP.

### Delete user

Delete user logical in database.

Remove Doc41WebUI group in LDAP.

### Change user data

Display user information.

Enter changed user data.

Save changed data in database.

### Add role to user

#### Add role

Add role to user and store into database.

If first role: Set Doc41WebUI group in LDAP for internal user or DMZ-LDAP for external user.

#### Remove role

Remove role from user and store into database.

If this was the last role: Remove Doc41WebUI group in LDAP for internal user or DMZ-LDAP for external user.

### Permission check

Only users with role Business Admin or Technical Admin are allowed to see and use the user management.

### New password for external user

The administrator must be able to set a new password for external users.

## Connection to WebSEAL

Only active users are allowed to enter Doc41WebUI. WebSEAL ensures authentification and authorization via LDAP.

# Roles

## Technical Admin

Technical Admin can use maintenance menu which contains:

* Support Console
* Translations
* Interface Monitoring
* Profile Permissions View

## Business Admin

Business Admin can use Management menu which contains:

* User management

## Observer

User with role Observer cannot make changes into database.

## Carrier

Can see download menu for documents:

* Air waybill
* Bill of Lading
* Shippers declaration
* Waybill
* FDA certificate
* CMR (outgoing)

Can see upload menu for documents:

* CMR (incoming)
* Air waybill
* Bill of Lading

## Customs Broker

Can directly download documents by a given link, no download menu.  
Downloadable documents:

* Air waybill
* Bill of Lading
* Shipper’s declaration
* Waybill
* FDA certificate

## Material Supplier

Can see upload menu for documents:

* Supplier CoA

## Product Supplier

Can see upload menu for documents:

* Delivery Certificate

## ViewerCountry

Can see download menu for documents:

* Delicery Certificate

## ViewerCustomer

Can see download menu for documents:

* Delicery Certificate

## Layout Supplier

Can see download menu for documents:

* HighRes Layout
* LowRes Layout

Can see upload menu for documents:

* HighRes Layout

## PM supplier

Can see download menu for documents:

* Packaging specification
* Technical drawing
* Technical packaging and Delivery requirements

# Workflow

## Carrier

### Download: Air waybill



The user has to log in with his user name and password.

The user has to select „Air waybill“ from download menu and the page to search for „Air waybill“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Reference number (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: Bill of Lading



The user has to log in with his user name and password.

The user has to select „Bill of Lading“ from download menu and the page to search for „Bill of Lading“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Reference number (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: Shippers declaration



The user has to log in with his user name and password.

The user has to select „Shippers declaration“ from download menu and the page to search for „Shippers declaration“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Reference number (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: Waybill



The user has to log in with his user name and password.

The user has to select „Waybill“ from download menu and the page to search for „Waybill“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Reference number (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: FDA certificate



The user has to log in with his user name and password.

The user has to select „FDA certificate“ from download menu and the page to search for „FDA certificate“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Reference number (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: CMR (outgoing)



The user has to log in with his user name and password.

The user has to select „CMR outgoing“ from download menu and the page to search for „CMR outgoing“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Reference number (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Upload: CMR (incoming)



The user has to log in with his user name and password.

The user has to select „CMR incoming“ from upload menu and the page to upload „CMR (incoming)“-documents will open.

The user must enter document attributes:

* Partner number (mandatory)
* Reference number (mandatory)

The user must attach the document file itself to upload the document.

### Upload: Air waybill



The user has to log in with his user name and password.

The user has to select „Air waybill“ from upload menu and the page to upload „Air waybill“-documents will open.

The user must enter document attributes:

* Partner number (mandatory)
* Reference number (mandatory)

The user must attach the document file itself to upload the document.

### Upload: Bill of Lading



The user has to log in with his user name and password.

The user has to select „Bill of lading“ from upload menu and the page to upload „Bill of lading“-documents will open.

The user must enter document attributes:

* Partner number (mandatory)
* Reference number (mandatory)

The user must attach the document file itself to upload the document.

## Customs Broker

### Download: Air waybill



The user gets a direct link to a document. After clicking on the link the user has to log in with his user name and password. He can download the document directly than.

### Download: Bill of Lading



The user gets a direct link to a document. After clicking on the link the user has to log in with his user name and password. He can download the document directly than.

### Download: Shippers declaration



The user gets a direct link to a document. After clicking on the link the user has to log in with his user name and password. He can download the document directly than.

### Download: Waybill



The user gets a direct link to a document. After clicking on the link the user has to log in with his user name and password. He can download the document directly than.

### Download: FDA certificate

 The user gets a direct link to a document. After clicking on the link the user has to log in with his user name and password. He can download the document directly than.

## Material Supplier

### Upload: Supplier CoA



The user has to log in with his user name and password.

The user has to select „Supplier CoA“ from upload menu and the page to upload „Supplier CoA“-documents will open.

The user must enter document attributes:

* Partner number (mandatory)
* Vendor batch(mandatory)
* Plant (mandatory)

If an inspection lot for this attributes can be found, than the user must attach the document file itself to upload the document.

## Product Supplier

### Upload: Delivery Certificate



The user has to log in with his user name and password.

The user has to select „CMR incoming“ from upload menu and the page to upload „CMR (incoming)“-documents will open.

The user must enter document attributes:

* Partner number (mandatory)
* Plant (mandatory)
* Material (optional)
* Batch (optional)
* Order (optional)

If an order for this attributes can be found, than the user must attach the document file itself to upload the document.

## ViewerCountry

### Download: Delivery Certificate



The user has to log in with his user name and password.

The user has to select „Delivery Certificate“ from download menu and the page to search for „Delivery Certificate“-documents will open.

The user can enter search parameter:

* Country (mandatory)
* Material number (optional)
* Batch (optional)

The result of search will be displayed in a list and the user can download a document from the list.

## ViewerCustomer

### Download: Delivery Certificate



The user has to log in with his user name and password.

The user has to select „Delivery Certificate“ from download menu and the page to search for „Delivery Certificate“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Country (mandatory)
* Delivery number (mandatory)
* Material number (optional)
* Batch (optional)

The result of search will be displayed in a list and the user can download a document from the list.

## Layout Supplier

### Download: HighRes Layout



The user has to log in with his user name and password.

The user has to select „HighRes“ from download menu and the page to search for „HighRes“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Object Id (mandatory)
* Filename (optional)
* Vendor (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: LowRes Layout



The user has to log in with his user name and password.

The user has to select „LowRes“ from download menu and the page to search for „LowRes“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Object Id (mandatory)
* Filename (optional)
* Vendor (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Upload: HighRes Layout



The user has to log in with his user name and password.

The user has to select „HighRes Layout“ from upload menu and the page to upload „HighRes Layout“-documents will open.

The user must enter document attributes:

* Partner number (mandatory)
* Object Id (mandatory)
* Vendor (optional)

The user must attach the document file itself to upload the document.

## PM supplier

### Download: Packaging specification



The user has to log in with his user name and password.

The user has to select „Packaging specification“ from download menu and the page to search for „Packaging specification“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Purchase Order number (mandatory)
* Object Id (mandatory)
* Document description(optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: Technical drawing



The user has to log in with his user name and password.

The user has to select „Technical Drawing“ from download menu and the page to search for „Technical drawing “-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Purchase Order number (mandatory)
* Object Id (mandatory)
* Document description (optional)

The result of search will be displayed in a list and the user can download a document from the list.

### Download: Technical packaging and Delivery requirements



The user has to log in with his user name and password.

The user has to select „Technical packaging and delivery“ from download menu and the page to search for „Technical packaging and delivery“-documents will open.

The user can enter search parameter:

* Partner number (mandatory)
* Purchase Order number (mandatory)
* Object Id (mandatory)
* Filename (optional)

The result of search will be displayed in a list and the user can download a document from the list.

# Workflow User Management

## Create internal user



The administrator has to log in with his user name and password.

The administrator has to select „User management“ from management menu and the user management page displays.

The administrator has to click on “Create internal user” to create a new internal user.

The administrator has to enter the CWID of the new user and if the CWID can be found in Bayer-People-Directory the administrator can set time zone and language of the user. He also has to set the status of the user. Only active users can log into Doc41WebUI.

The administrator can give the internal user one or more of the roles:

* Business Admin
* Technical Admin

## Create external user



The administrator has to log in with his user name and password.

The administrator has to select „User management“ from management menu and the user management page displays.

The administrator has to click on “Create external user” to create a new external user.

The administrator has to enter the personal data of the user, like First- and Surname. The administrator can set time zone and language of the user. He also has to set the status of the user. Only active users can log into Doc41WebUI.

The administrator can give the external user one or more of the roles:

* Carrier
* Customs Broker
* Material Supplier
* Product Supplier
* ViewerCountry
* ViewerCustomer
* Layout Supplier
* PM supplier

## Change internal user data



The administrator has to log in with his user name and password.

The administrator has to select „User management“ from management menu and the user management page displays.

The administrator has to select an internal user from user list.

The administrator can set time zone and language of the user. He also has to set the status of the user. Only active users can log into Doc41WebUI.

The administrator can add or remove roles of the internal user:

* Business Admin
* Technical Admin

## Change external user data



The administrator has to log in with his user name and password.

The administrator has to select „User management“ from management menu and the user management page displays.

The administrator has to select an external user from user list.

The administrator has to change the personal data of the user, like First- and Surname. The administrator can set time zone and language of the user. He also has to set the status of the user. Only active users can log into Doc41WebUI.

The administrator can add or remove roles of the external user:

* Carrier
* Customs Broker
* Material Supplier
* Product Supplier
* ViewerCountry
* ViewerCustomer
* Layout Supplier
* PM supplier

## New password for external user



The administrator has to log in with his user name and password.

The administrator has to select „User management“ from management menu and the user management page displays.

The administrator has to select an external user from user list.

The administrator has to enter and repeat a new password for the user.

The system will send the new password to the user via email.