



Registration Management

The registration/user management module handles private and public information of organizations and their users. The module also manages registration procedures, approvals, user management permissions, subscriptions, cost rating and billing. The sign-up process has been developed allowing users to proceed with self-enrollment request (Figure 2): (1) the unregistered user creates an account (email and password) and the email address is verified, (2) the user receives a confirmation email and has to fill in and submit the organization’s form (Figure 3), (3) the VAT number and the website URL of the organization are verified, (4) the administrator accepts or declines the request and upon acceptance the user's profile is created based on the assigned roles, (5) the user receives an email on the status and may sign-in if accepted.

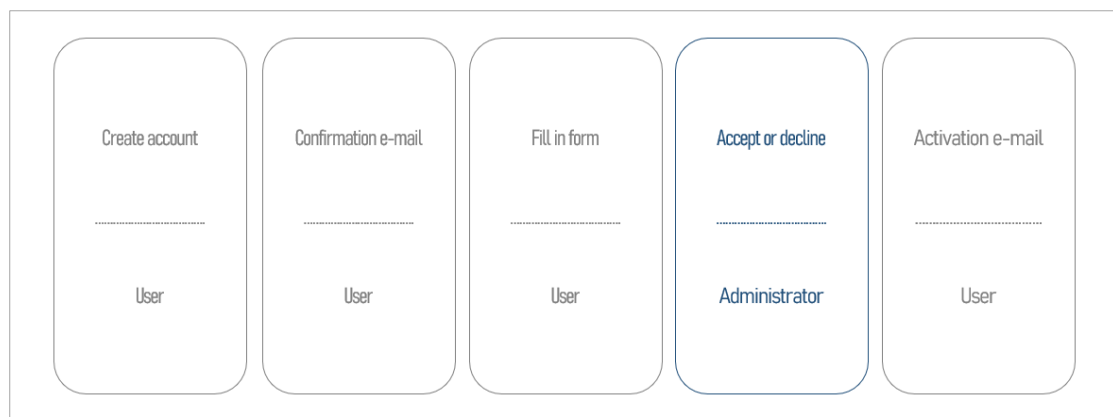


Figure 2: Registration Process

System security is implemented in this module. The security implementation follows the widespread role-based security model, according to which, all registered users of are associated with roles which consist of rights that describe the possibility or not of performing an operation. As a result users during their session can perform operations which are absolutely defined by the rights of the roles assigned to them. The following features are provided through the security system:

**User Authentication:** The process of user identification determines whether the user attempting to connect to the system is a registered user or not and accordingly grants or denies access. Users to connect to the platform should provide credentials so that the process of identifying them with the corresponding list of registered users can be carried out. These credentials are the username (email) and the password. The authentication process ensures that only registered users can access the platform.

Organisation	
Country *	Vat number *
<input type="text" value="-"/>	<input type="text"/>
Company title *	Website include (http:// or https://) *
<input type="text"/>	<input type="text"/>
City	Head offices address
<input type="text"/>	<input type="text"/>
Zip code	Telephone
<input type="text"/>	<input type="text"/>
Scopes	
<input type="checkbox"/> Ginner	<input type="checkbox"/> Spinner
<input type="checkbox"/> Knitter	<input type="checkbox"/> Dyer
<input type="checkbox"/> Trader	<input type="checkbox"/> Retailer
<input type="checkbox"/> Weaver	<input type="checkbox"/> Manufacturer
	<input type="checkbox"/> Assessor
User details	
First name *	Last name *
<input type="text"/>	<input type="text"/>
Email *	Cell phone
<input type="text"/>	<input type="text"/>
Work phone	
<input type="text"/>	
<input type="checkbox"/> I agree with the EUCOTTON General Regulations *	
<input type="submit" value="Submit"/>	

Figure 3: Organization's Form

**User Authorization:** User authorization is the most important operating axis of the security infrastructure of the platform. The purpose of the authorization process is to grant the rights provided by the roles to which the registered user is associated and therefore to limit the set of operations that he can perform during his session. User authorization secures both the system and the data it manages from unauthorized use and also reflects the hierarchy of users in terms of range of operations. Users are authorized after the identification process and throughout the user-system session.

**Centralized User Management:** The security infrastructure provides the centralized management of users, roles and rights (user security profiles) and constitutes a horizontal axis of operation that extends to all the individual subsystems.