Security Measures and Policy

The Capability Adviser is a web based assessment portal. In order to prevent any cybersecurity threats and unauthorized access, the following mechanisms have been implemented:

- The Capability Adviser has a dedicated user management and authentication

- Authentication is required for every access
    - Different levels of access, each having a different password (administrator, assessor, organisation, project)

- Passwords are stored encrypted in the database using the MD5 algorithm

- A password policy can be configured to encourage users to employ strong passwords:
    - Minimum length of the password (up to 16 characters)
    - Use of digits
    - Use of special characters
    - Use of Uppercase characters

- The number of login attempts for a registered user can be configured. After that the user is blocked and needs to be unblocked by the administrator

- Data integrity
    - Each assessor can only change his data in his account, no overlapping of rights
    - Each organisation space can only see its data and assessments, login and authentication is required

- The Capability Adviser is regularly tested against SQL & XSS Injections

- Access to the Capability Adviser is permitted only for registered users.

- All pages are protected from direct access of unauthorized users

- All data exchanged (POST, GET or SESSIONs) is encrypted

- HTTPS protocol is used

- Assessments can be set to read-only, preventing any further changes of assessment data

- Non-Repudiation
    - The Capability Adviser logs the activities of a user

- Additional security layers can be added if the Capability Adviser is accessible from the internet:
    - Access can be granted only for a certain range of IPs
    - Access can be granted only for a certain range of IPs, others have to provide a username and password (first login) to access the Capability Adviser to be able to login (second login) with their Capability Adviser accounts.
    - Users have to provide a username and password (first login) to access the Capability Adviser to be able to login (second login) with their Capability Adviser accounts.