

**The
Alan Turing
Institute**

DISTAF

Digital Identity Systems

Trustworthiness Assessment

Framework

User Manual

Version 2.0

Acknowledgements.

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The Institute is named in honour of Alan Turing, whose pioneering work in theoretical and applied mathematics, engineering and computing is considered to have laid the foundations for modern-day data science and artificial intelligence. It was established in 2015 by five founding universities and became the United Kingdom's (UK) National Institute for Data Science and Artificial Intelligence. Today, Turing brings together academics from 13 of the UK's leading universities and hosts visiting fellows and researchers from many international centres of academic excellence.

Turing also liaises with public bodies and is supported by collaborations with influential organisations.

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Log-In and Log-out

The login process is a mandatory step to verify the identity of a user attempting to access the system. It involves the following steps:

1. Connect to the site at the URL where it is deployed
2. Enter your username and password
3. Press the **Sign In** button

Trustworthiness Framework Tool

Sign in to your account

Username

Enter your username

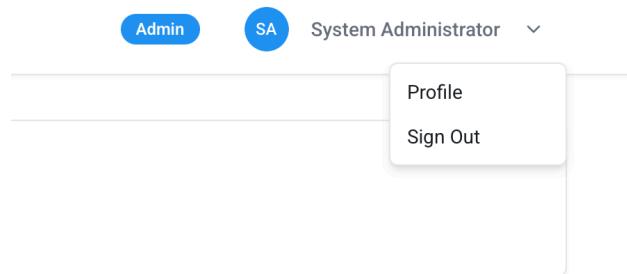
Password

Enter your password

Sign In

Symmetrically, the log-out process is used to close the current session, as follows:

1. On the top right page select your name
2. Select the **Sign Off** item from the drop-down menu



How to change own password

Every user has the possibility of changing its own password, with the following steps:

1. On the top right page select your name
2. Select the **Profile** item from the drop-down menu
3. Type the **current password** in the appropriate field
4. Enter the **new password** in the appropriate field
5. **Repeat** the new password in the appropriate field
6. Select the **Change Password** button at the top right to confirm the change

Change Password

Current Password
Enter current password

New Password
Enter new password (min 8 chars)

Confirm Password
Confirm new password

Change Password

Creating a new user and assigning roles

When logged-in as an administrator, it is possible to create a new user and to assign the corresponding permission (roles):

1. Select **User Management** from the top menu
2. Select the **Create User** button on the right

Trustworthiness Framework Tool

Dashboard User Management Admin SA System Administrator

User Management

Manage system users and their permissions

System Users

Username	Name	Email	Role	Status	Last Login	Actions
admin	System Administrator	admin@example.com	admin	Active	21/12/2025	

Create User

Now it is possible to add the details and assign roles, following the steps:

1. Insert the **username** (must be unique) and **email**
2. Add **first** and **last name**
3. Type the initial **password**
4. In the **Role** dropdown, select the role to which the new user shall be assigned
5. press the **Create User** button to save the changes

Create New User

Username *
Enter username

Email
Enter email

First Name
Enter first name

Last Name
Enter last name

Password *
Enter password (min 8 chars)

Role *
External

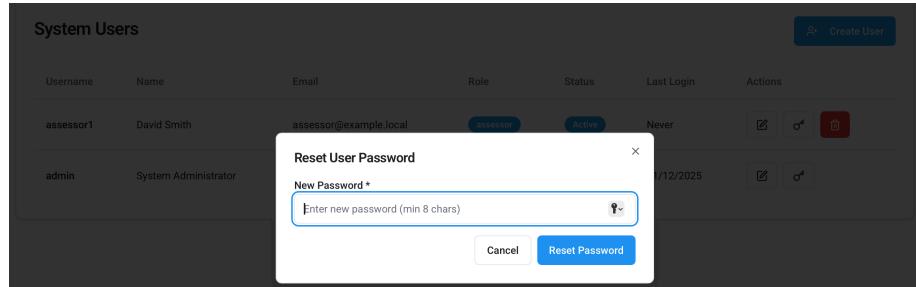
Create User

Resetting a user password

In case a user forgot their own password, it is possible to reset it with the following steps:

1. Select **User Management** from the top menu

2. Check the relevant user and click on the key icon from the right menu
3. A popup will appear with the possibility of specifying a new password
4. Click the **Reset Password** button to confirm the operation and return to the user page



Creating and editing an assessment

In order to create a new assessment, follow the steps:

1. Click on **Dashboard** in the top menu
2. Click on **New Assessment** button, opening a new page
3. Insert the **System Name** (must be unique), and the **System Description**
4. Select the **Assessment Status**, choosing between Draft-In Progress-Complete
5. Select the **Visibility**, either Private (available to admins and assessors) or Public
6. Finalise the creation by clicking on **Create Assessment**

A screenshot of the 'New Assessment' creation form. The title is 'New Assessment' and the subtitle is 'System evaluation'. The form includes a 'Back' button and a 'Create Assessment' button. The 'Assessment Information' section contains a 'Getting Started' note: 'Fill in the basic information below and click "Create Assessment" to save. After saving, you'll be able to evaluate the assessment metrics across different pillars and mechanisms.' Below this are two input fields: 'System Name *' (placeholder 'Enter system name') and 'System Description' (placeholder 'Brief description of the system'). At the bottom are two dropdown menus: 'Assessment Status' (set to 'Draft') and 'Visibility' (set to 'Private').

When saved, the edit assessment page is opened, giving the possibility of assigning scores to metrics. Note that the page auto-saves itself, so there is no need to press any save button. In the page there are:

1. The **assessment details** (Name, Description, Status and Visibility) are still present and editable
2. An **assessment progress** bar allows to track the percentage of completeness of the metrics
3. Six buttons are available to select each specific **pillar**

Assessment: Assessment1
First version of country EIDS

System Name *: Assessment1

System Description: First version of country EIDS

Auto-save enabled | Back

Assessment Status: Draft

Visibility: Private

Assessment Progress: 0% Complete

Privacy Robustness Ethics Resiliency Reliability Security

When a pillar is selected, the bottom of the page displays the mechanisms and the metrics from such a pillar:

1. Metrics can be **filtered** using the **Completion Status** dropdown, allowing to keep All metrics, just the one already completed or, symmetrically, only the one yet to assign.
2. Metrics can also be filtered using the **Metric Type** dropdown, allowing to focus on operational or design metrics only.
3. The pillar is composed by several mechanisms, each one represented by a box with:
 - a. Name and description of the mechanism
 - b. A **checkbox** which provides the possibility of excluding the mechanism from the evaluation
 - c. The **average score** and the **percentage of metrics assigned**, both as numeric values and as progress bar.

Privacy Pillar
Framework pillar covering privacy aspects

Filter Metrics

Completion Status: All

Metric Type: All

Exclude from assessment

Collection and Data minimisation
Collection and Data minimisation controls and measures

Score: 0%
Progress: 0% complete

Exclude from assessment

User Consent for attributes' collection, processing, re-use and release
User Consent for attributes' collection, processing, re-use and release controls and measures

Score: 0%
Progress: 0% complete

When clicking on a mechanism box, the section expands, displaying the corresponding metrics. Score can be assigned following these steps:

1. The assessor can choose a **Quick Configuration Preset** from the dropdown menus (either operational or design) to pre-assign score to relevant metrics
2. With more detail, the assessor can navigate through the metrics using the navigation buttons (**Next** or **Previous** metrics)
3. The score of each metric can be assigned using a checkbox or a slider, and immediately saved; in doing so, the score and the progress of the mechanism are also updated
4. Optionally, the assessor can also add notes/comment/justification.

The screenshot shows a detailed view of an assessment metric. At the top, there's a header with 'Exclude from assessment' and a progress bar at 0% complete. Below this is a 'Quick Configuration Presets' section with dropdown menus for 'Operational Metrics Configuration' and 'Design Metrics Configuration', both set to 'None (Manual)'. A navigation bar indicates 'Metric 1 of 7' and includes '6 next >'. The main content area displays a metric titled 'PCDM.D1 Data is adequate and relevant (the purpose and rational are clear)' with a sub-note 'Data relevance indicates the level of consistency between the content of data and the purpose of the EIDS.' Below this is a 'Design Metric' button and an 'Assessment Value' section with radio buttons for 'Yes / Implemented' and 'No / Not Implemented'. At the bottom is a 'Notes & Justification (Optional)' section with a text input field.

Working with an existing assessment

When the assessment has been already created, it is visible in the dashboard page. On the same row, on the right, there is menu to access all aspects of the assessment:

- Clicking on **View Results**, it shows the trustworthiness profile of the system, with the possibility of downloading a report
- Clicking on **Standard Compliance**, the assessor can immediately fill the metrics corresponding to standards to which the system is already compliant
- Clicking on **Edit Assessment**, the assessor can return to the edit assessment page and continue assigning scores
- Clicking on **Close Assessment**, the assessor can create a copy of the assessment, maintaining the previously assigned scores; in this clone, the assessor can add/modify metrics to create an updated version of the assessment

The screenshot shows a list of recent assessments. One entry is 'Assessment1' (First version of country EIDS), which is in 'Draft' status, modified 'Just now', is 'Private', and owned by 'System Administrator'. To the right of this entry is a 'New Assessment' button. A context menu is open over the 'Assessment1' entry, listing options: 'View Results' (with a link icon), 'Standards Compliance' (with a gear icon), 'Edit Assessment' (with a pencil icon), 'Clone Assessment' (with a copy icon), and 'Delete' (with a trash bin icon).

Declaring compliance to a standard

A quick way to start an assessment is by declaring to which international standards the EIDS system has already been proved to be compliant. In doing this, all metrics connected to those standards are automatically satisfied, according to these steps:

1. Click on the **Standard Compliance** action button of the assessment
2. Identify the standards and click on the corresponding checkbox on the left; the standard will be marked as compliant, and all related metrics will be marked as satisfied.

←  **Standards Compliance**
Assessment1

Overall Compliance Progress

18 of 44 Standards

41%

Checking a standard will automatically set all related metrics to "Yes" (100% score)

Available Standards

Select the standards your system complies with. This will automatically mark all associated metrics as implemented.

AC-12 SESSION TERMINATION from NIST 800-171

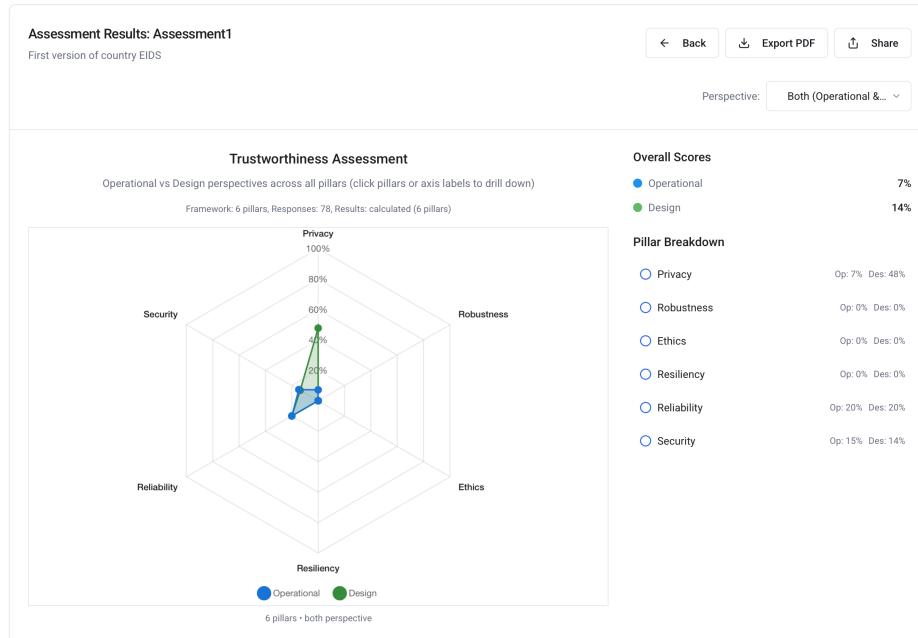
 Compliant

Data Retention Regulations 2014 – DRR 2014

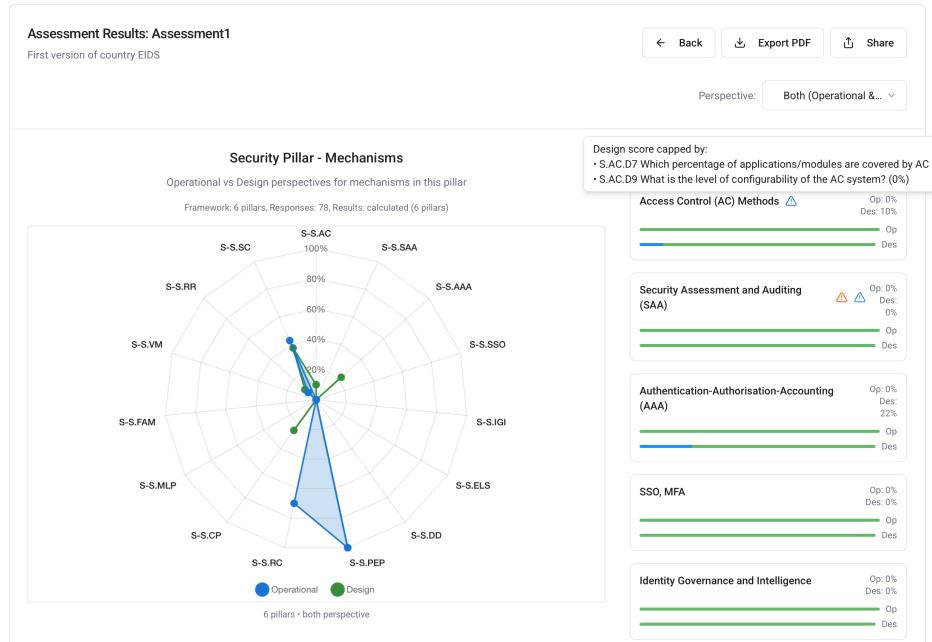
 Not Compliant

Viewing the results of an assessment

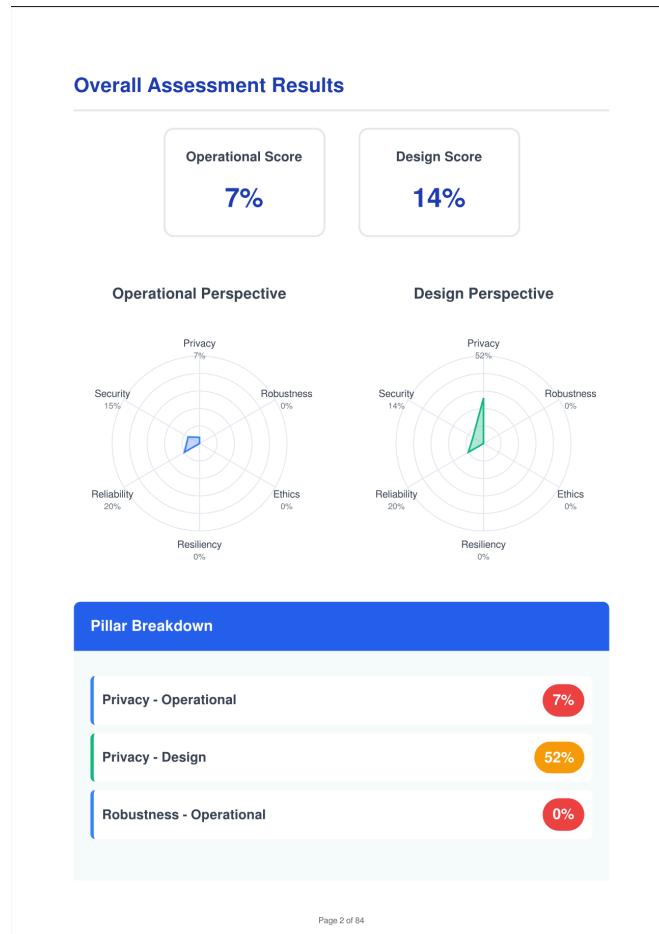
An assessment can be evaluated by accessing its **View Results** page. In the latter, a polar diagram shows its trustworthiness fingerprint, both in the operational and design phase (selectable).



By clicking on a specific pillar, the same diagram is drilled down to such specific pillar, highlighting the mechanisms. If any icons are visible on the right panel, it means the mechanisms is capped by one or more unsatisfied mandatory metrics. In such a case, by hovering the mouse on those icons, the assessor can check which metrics are missing.



By clicking on the **Export PDF** button, the user can also export a report of the assessment, showing all aspects, from the pillars down to all metrics and scores.



Comparing two assessments

When multiple assessments have been conducted, possibly using the clone functionality to create a new version, it could be useful to create a report to investigate the differences. This can be done as follows:

1. In the assessment list (dashboard) page, select two assessments
2. A button named **Compare Selected** will appear

Recent Assessments

2 assessments selected

New Assessment

SYSTEM NAME	STATUS	LAST MODIFIED	VISIBILITY	OWNER	ACTIONS
<input checked="" type="checkbox"/> Assessment2 Second version of country EIDS	Draft	Just now	Private	System Administrator	...
<input checked="" type="checkbox"/> Assessment1 First version of country EIDS	Draft	1 hour ago	Private	System Administrator	...

When the button is clicked, a new report is generated that compares both assessments, highlighting the differences, from the pillar level...

Overall Assessment Scores

Operational Score Design Score

7% → 7% 14% → 15% (+2%)

Pillar Breakdown Comparison

Pillar	Baseline Op	Comparison Op	Change	Baseline Des	Comparison Des	Change
Privacy	7%	7%	-1%	48%	58%	+11%
Robustness	0%	0%	—	0%	0%	—
Ethics	0%	0%	—	0%	0%	—
Resiliency	0%	0%	—	0%	0%	—
Reliability	20%	20%	—	20%	20%	—
Security	15%	15%	—	14%	14%	—

down to the metrics..

Privacy - Detailed Comparison

Collection and Data minimisation

Operational	Design	Changes
62% → 62%	100% → 100%	Op: — Des: —

Metric-Level Changes

No significant metric changes

User Consent for attributes' collection, processing, re-use and release

Operational	Design	Changes
17% → 17%	25% → 100%	Op: — Des: +75%

Metric-Level Changes

P.UC.D1 User consent has been obtained (design)	0%	100%	+100%
P.UC.D2 Data processing has been declared (design)	0%	100%	+100%
P.UC.D4 Provision for Dispute resolution (design)	0%	100%	+100%
P.UC.D5 Training provision for manual verification (design)	0%	100%	+100%
P.UC.D6 Criteria for issuing data retention notice (design)	0%	100%	+100%
P.UC.D7 Requirements for secure data disposal (design)	0%	100%	+100%