

## **Canadian Access Federation: Trust Assertion Document (TAD) for Participating Organizations**

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### **Purpose**

Identity attributes are characteristics of an identity -- such as a name, department, location, login ID, employee number, e-mail address, etc.

A fundamental requirement of Participants in the Canadian Access Federation (CAF) is that by their authority they send accurate identity attributes to other Participants to allow access to resources, and that Participants receiving an attribute assertion protect it and respect privacy constraints placed on it by the asserting Participant.

To accomplish this practice, CANARIE requires Participants to make available to all other Participants answers to the questions in this document.

### **Canadian Access Federation Requirement**

The CAF community of trust is based on “best effort” and transparency of practice. Each Participant documents, for other Participants, their identity and access management practices, which they can confidently meet. Each Participant makes available to other Participants basic information about their identity management system and resource access management systems registered for use within the Canadian Access Federation. The information includes how supported identity attributes are defined and how attributes are consumed by services.

### **Publication**

Your responses to these questions must be submitted to CANARIE to be posted on the CANARIE website. You must maintain an up-to-date Trust Assertion Document.

## 1. Participant Information

**1.1 Organization Name:** Canadian Research Knowledge Network (CRKN)

**1.2 Information below is accurate as of this date:** 02/21/2020

### 1.3 Contact Information

1.3.1. Please list the office, role, department, or individual who can answer questions about the Participant's identity management system or resource access management policy or practice.

**Note:** This information should be for a department or office rather than an individual, in order to avoid responses going unanswered if personnel changes occur.

Department (or Contact Name): Director of Operations

Email Address: operations@crkn.ca

Telephone: 613-907-7030

### 1.4 Identity Management and/or Privacy Information

1.4.1. What policies govern the use of attribute information that you might release to other CAF Participants? If policies are available online, please provide the URL.

<https://www.crkn-rcdr.ca/index.php/en/privacy-policy>  
CRKN also maintains an employee personal information and privacy policy which is not available online.

1.4.2. Please provide your Privacy Policy URL, as well as information regarding any other policies that govern the use of attribute information that you might release to other CAF Participants.

<https://www.crkn-rcdr.ca/index.php/en/privacy-policy>

## 2. Identity Provider Information (FIM and/or eduroam)

Identity Providers must meet these two criteria for trustworthy attribute assertions:

- (1) The identity management system is accountable to the organization's executive or business management, and
- (2) The departmental processes and systems for issuing end-user credentials (e.g., user IDs/passwords, authentication tokens, etc.) have in place appropriate risk management measures (e.g. security practices, change management controls, audit trails, accountability, etc.).

### 2.1 Credential Practices

2.1.1. As an Identity Provider, you define who is eligible to receive an electronic identity.

What subset of persons registered in your identity management system would you identify as "Active" in identity assertions to the other Participants?

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CRKN’s current employees (only) would be identified as active. CRKN does not provide credentials to contractors working with CRKN or to volunteer Board and Committee members (most of whom would have credentials from their own university campus). Staff are provided credentials sufficient for their job duties when they join the organization, and those credentials are revoked as part of the offboarding process when they leave. CRKN does not share access credentials between employees.

A subset of CRKN staff (and two Board members) are provided credentials to access CRKN’s banking information through BMO.

2.1.2. Long-lived, non-reassigned, and unique identity identifiers are critical for the safe and sustainable operation of the CAF community.

Do your identity identifiers ever get reassigned?

Yes

No

If “Yes”, please include details, such as the interval between reuse.

[Click or tap here to enter text.](#)

2.1.3. "Attributes" are information elements about the identity of a person in your identity management system. This information is in the attribute assertion you might make to another Participant (Service Provider). These attribute assertions must be considered highly reliable in order for you to join CAF.

Do you consider your attribute assertions to be reliable enough to:

Control access to online information databases licensed to your organization?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Be used to purchase goods or services for your organization? <b>(NB this is not a question of reliability – we don’t use access credentials in that manner)</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Enable access to personal information such as student record information?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

## 3. Service Provider Information (Federated Identity Management and/or eduroam)

Service Providers, who receive attribute assertions from another Participant, shall respect the other Participant's policies, rules, and standards regarding the protection and use of that data. Such information must be used only for the purposes for which it was provided.

Service Providers are trusted to ask for only the information necessary to make an appropriate access control decision, and to not misuse information provided to them by Identity Providers. Service Providers must describe the basis on which access to resources is managed and their practices with respect to attribute information they receive from other Participants.

### 3.1 Attributes

3.1.1. What attribute information about an individual do you require? Describe each service that you offer to CAF Participants separately (one service per row).

Service Name	Is this an R&S service?	Attributes Required	Rationale	Is information shared with others?
eduroam	N/A	<p><b>Standard RADIUS attribute set (Appendix A of the <a href="#">eduroam Compliance Statement</a>):</b></p> <ul style="list-style-type: none"> <li>• timestamp of authentication requests and corresponding responses</li> <li>• the outer EAP identity in the authentication request (User-Name attribute)</li> <li>• the inner EAP identity (actual user identifier)</li> <li>• the MAC address of the connecting client (Calling-Station-Id attribute)</li> <li>• type of authentication response (i.e. Accept or Reject).</li> </ul>	For authentication purposes	No

### 3.2 Technical Controls

Technical controls are a basis for controlling access to and usage of sensitive data and are expected to be applied across all services. If there are exceptions for a particular service(s), please describe these exceptions.

3.2.1. Describe the human and technical controls in place for access to and use of attributes considered personally identifiable information.

CRKN's Director of Operations and CRKN's managed IT Service Provider (Gridway) are able to add and delete new users, and to enable or limit their access to CRKN resources. These credentials are housed in a Windows Active Directory (mirrored between CRKN's two offices for redundancy). CRKN maintains separate accounts for email access, hosted with Microsoft and Outlook365. Access to personally identifiable information – primarily,

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employee information, but also, information about Board and Committee members – is restricted to designated staff.

- 3.2.2. Describe the human and technical controls that are in place for the management of super-user and other privileged accounts that may have the authority to grant access to personally identifiable information.

The Director of Operations is involved in all decisions with respect to the setup and authorization of privileged accounts. CRKN user accounts are set to operate with the minimum privileges required.

- 3.2.3. If personally identifiable information is compromised, what actions do you take to notify potentially affected individuals?

CRKN would assess the scope and scale of the compromise, report the issue immediately to the CRKN Treasurer and Finance & Audit committee, and likely, work with the Executive Committee to respond including notifying affected individuals. CRKN's Board will be considering and approving a new Information Systems and Security Policy at their March 26, 2020 meeting.

### 3.3 Other Considerations

- 3.3.1. Are there any other considerations or information that you wish to make known to other CAF Participants with whom you may interoperate?

CRKN does not have nearly the complexity of operations of many of our university members. It has identified that its two most critical information assets are the details in its banking and payroll systems, and the (predominantly Canadiana Heritage) data that is housed in its Trustworthy Digital Repository.