

COURTESY TRANSLATION

Québec Education Savings Incentive

DATA INTERFACE OPERATIONS AND CONNECTIVITY

TABLE OF CONTENTS

1.	Purpose of document	2
2.	File transfer service provider	2
3.	File transfer mode	2
4.	Tests	4
5.	Security of file transfers	4
6.	Procedure	4
7.	Support.....	4

1. Purpose of document

This document is intended for the partners with whom Revenu Québec wishes to exchange files. It gives them information on the file transfer modes available and on the infrastructure required to use them. Extracts from the document may be attached to the service agreement between Revenu Québec and a partner.

2. File transfer service provider

Revenu Québec (RQ) uses the secure file transfer services provided by the Centre de services partagés du Québec (CSPQ) to exchange files with its government and public partners. The technological infrastructure of the services ensures the security of the file transmission channel and allows the monitoring of exchanges.

3. File transfer mode

The CSPQ's secure file transfer services offer a number of file transfer modes. Partners will have to select the most appropriate transfer mode for their infrastructure.

Transfer mode	Infrastructure required	Communications protocol	Possible notification	Security	Automation
RQ exchange interface – based on HTTPS services	Internet browser	HTTPS	Acknowledgement during transmission and reading of a file	Server authentication certificate and access by user code and password	Limited
RQ exchange interface – based on FTPS services: use of FTP and TLS protocols	Client or server FTPS	FTPS	Acknowledgement during transmission and reading of a file	Server authentication certificate and access by user code and password	Yes
RQ exchange interface – based on SFTP services: use of SSH2 protocol including an FTP service	Client or server SFTP	SFTP	Acknowledgement during transmission and reading of a file	- Exchange of public keys - Access by user code	Yes
Axway Service	Axway Server	PESIT/TLS	Acknowledgement during transmission and reading of a file	Server authentication certificate	Business rules engine

4. Tests

In addition to a production environment, Revenu Québec has set up an environment in which acceptance and connectivity tests can be carried out.

5. Security of file transfers

The security of files transferred with the CSPQ's services is ensured in the following ways:

- Confidentiality: Encryption mechanisms ensure the confidentiality of information during transmission and storage.
- Integrity: Hash functions ensure that the information shared has not been altered during the transfer.
- Authentication: Various authentication mechanisms, such as bastion rules, user code/password and exchange of public keys, allow for the verification of the partners' identity.

6. Procedure

1. Revenu Québec's project manager will contact the partner for the following information :
 - Contact list (technical coordinators and resources);
 - Administrative information;
 - Test and production start-up dates.
2. A technical resource person from Revenu Québec will contact his or her counterpart in the partner's organization to determine the transfer mode and to plan the exchange configuration.

7. Support

For assistance related to the file transfer, you can email us at infoconcepteur@revenuquebec.ca