



APPLICANT SYSTEM-TO-SYSTEM PILOT TEST PROCESS

This report is confidential and intended solely for the use and information of the client to whom it is addressed.

Objective

This document outlines the process to be followed by Pilot participating Applicant Organizations for completing integration testing of Grants.gov applicant web services.

Pilot Test Process

The following sections define the expectations for initiating and completing system-to-system testing with the applicant organization and Grants.gov.

Prerequisites

Applicant organizations must comply with these prerequisites before starting integration testing with Grants.gov:

- Complete initial development of applicant system.
- Produce compliant grant application XML that validates against both the strict XML validation (as defined by the W3C specifications) and grants.gov XML schemas. *Additionally, the application must comply with business rules specified in the Data Attribute Template (DAT) for the forms family (or families) being tested for certification where such DATs have been published by Grants.gov.*
- Test the applicant organization system against the provided Applicant Reference Implementation server simulation.
- Perform initial connectivity testing in one of two ways:
 - Test with Grants.gov provided Reference Implementation using the SSL client keystore (certificate) provided in the RI.
 - For information on downloading, installing and configuring the open source tools that are used in the development and execution of the Reference Implementation, follow the link: http://www.grants.gov/agencies/areference_implementation.jsp and click on XML Reference Implementation Materials.

- Test with your custom client. If you choose this option you will need to register your certificate with the Grants.gov AT environment.
- The GetApplicantList web service shall be executed for the purposes of connectivity testing. The SubmitApplication web service shall not be invoked at this point in the process.
- Obtain a digital certificate signed by a well-known certificate authority (CA) and submit:
 - Certificate HEX number
 - Your Organization's DUNS number
 - Email address for notifications
 - AOR name and email address
 - Name of your organization

Link to Certificate Request Form: <http://www.grants.gov/assets/CertificateRequests3.pdf>

Integration Testing with Grants.gov

Upon completing the prerequisites, the organizations should start testing and if the applicant organization shall contact the Grants.gov PMO (Vince Sprouls at 202-720-1911) if they have any questions.

Verification of Readiness

If you have successfully completed the test plan, then you are ready to move your web services application into production.

Registering the Public CA Signed Certificate with Grants.gov

- The applicant organization shall provide any required information for registering the applicant system (TBD).
- Grants.gov will establish the system test account and contact the applicant organization to verify connectivity.

Integration Testing

The applicant organization shall complete the integration testing as defined by the applicant test plan.