



# **Release Notes**

## **Grants.gov System Services**

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Release Notes 2008-02 V2.3

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## Purpose

This document defines the release of build **2008-02** of Grants.gov. It includes the scope, estimated schedule, identifies risks or impacts, functional release notes, as well as recommendations for mitigation and management. In addition, this document provides Acceptance Testing release notes, operational release notes, and Functional Test Cases that satisfy requirements associated with Deliverables 4.5.1 and 4.5.2.

## Background

Software changes are collected from various sources as System Change Requests (SCRs) in the PVCS Tracker System. SCRs are categorized and go through a review process established by the Internal Control Board (ICB) of Grants.gov. SCRs gain approval through this process for inclusion in a Build.

## Scope

The details of each SCR are listed in Appendix A, Operations Release Notes listed in Appendix B, and the test cases for each SCR are listed in Appendix C.

Id	Title	Category	Functional Areas	Originator	Related SCRs	Request Type	Defect Severity	Submit Date	Target Release
4541	Applicant S2S: Add the Grants.gov tracking ID Filter to the GetApplicationList	Applicant S-2-S	<<None>>	Vincent Sprouls		Enhancement	Minor	4/28/2005	2008-02
4451	Search: Opportunity Number should be case neutral for XML submissions and basic search	Search	<<None>>	Rathna Gundulpet		SW Defect	Minor	4/5/2005	2008-02
4444	Applicant S2S: Provide S2S WS users with email notification or RSS feed of opportunity modifications	Applicant S-2-S	<<None>>	Rathna Gundulpet		SW Defect	Minor	38446	2008-02

Id	Title	Category	Functional Areas	Originator	Related SCRs	Request Type	Defect Severity	Submit Date	Target Release
5272	Fix ability to sort by Owning Agency in Manage Application Package Templates	Unknown	<<None>>	Vincent Sprouls		SW Defect	Minor	12/28/2005	2008-02
5394	CFDA numbers label should be displayed on synopsis page even if no CFDA number is present	Adobe Process	<<None>>	Rathna Gundulpet		SW Defect	Minor	38779	2008-02
5775	Organization report - Data should be displayed for all-zeros DUNS	Adobe Process	<<None>>	Rathna Gundulpet		SW Defect	Minor	8/31/2006	2008-02
6184	Allow for modification of closing dates and addition/modification of grace periods	Adobe Process	<<None>>	Jennifer Key (Disabled)	#4422	Enhancement	Minor	39155	2008-02
6657	E-biz POC section should contain listing of all applications submitted for a DUNS number	Apply	<<None>>	Keenon James	#8381	Enhancement	Minor	5/3/2007	2008-02
5292	Create WS to allow for adding, editing, and deleting of opportunities and synopses	Agency S-2-S	Opportunity Publication	Vincent Sprouls	#6759 #6765 #7596	Enhancement	Minor	38728	2008-02
7962	Users should be able to attach MS office 2007 documents to synopsis	Apply	<<None>>	Rathna Gundulpet		SW Defect	Major	10/8/2007	2008-02
4436	Applicant S2S: Provide Agency Contact information to S2S WS users	Applicant S-2-S	<<None>>	Rathna Gundulpet	#8335	Enhancement	Minor	38443	2008-02

Id	Title	Category	Functional Areas	Originator	Related SCRs	Request Type	Defect Severity	Submit Date	Target Release
8353	Add ability to search Grants.gov website static content	Search	System Administration	Mikael Baker	#6467	Enhancement	Major	3/27/2008	2008-02
8327	Make the Expected Number of Applications field mandatory	Other Software	Opportunity Publication	Vincent Sprouls	#5861, #6260	Enhancement	Critical	39512	2008-02
8315	Remove the non-agency links from "Browse by Agency" and "Search by Agency" on Grants.gov website	Search	Finding an Opportunity	Mikael Baker		Enhancement	Minor	2/19/2008	2008-02
8122	2007 Submission Report Does not display Application DUNS	Apply	Reports	Marwan Abu-Fadel		SW Defect	Major	39457	2008-02
8450	Left navigation bar: Forms repository menu items are inconsistent between AT07 and Production	Other Software	<<None>>	Mikael Baker	#5068, #5631, #8146	SW Defect	Major	7/17/2008	2008-02
8430	Links to rejections reports under View All Submitted Applications are not functioning	Other Software	Reports	Mikael Baker		SW Defect	Major	39618	2008-02
8318	Opportunities posted to Grants.gov appear multiple times as separate/duplicate opportunities	Other Software	Agency Administration	Mikael Baker		SW Defect	Major	2/19/2008	2008-02
8395	Add more detail to error messages in rejected synopsis emails	Other Software	<<None>>	Mikael Baker	#8321	Enhancement	Major	39590	2008-02

A change to the GetApplicationList operation is made. WSDL is updated from "process\_id" to "tracking\_num" to describe a grants tracking number. "process\_id" was terminology that only SI team could associate with and hence WSDL is updated to "tracking\_num". It was a minor change to the applicant S2S.

Both server and RI were modified to accommodate this change. A new mechanism to patch existing RI is created. This is a much smaller download and install. Instructions to install are also included with the download.

**Rework Issues and SI Comments:**

SCR	Title	Rework issue	Comments
8315	Remove the non-agency links from "Browse by Agency" and "Search by Agency" on Grants.gov website	Non-agency links are still present in the "Browse by Agency" and "Advanced Search" areas.	Unable to reproduce the problem. Can't find the links in AT07. Please retest in AT07 and these fixes will be deployed to production after build approval.
8327	Make the Expected Number of Applications field mandatory	Display Message: "If you are unsure of the expected number of applications, provide your best estimate."	<b>Fixed.</b>
8353	Add ability to search Grants.gov website static content	1. No search results returned from Left Nav Link: "Search FAQs, User Guides and Site Information" or from "Search" link on the top of page on: <a href="http://at07web.grants.gov/applicants/applicants.jsp">http://at07web.grants.gov/applicants/applicants.jsp</a> 2. PMO Requests link open a new page or tab upon selection.	<b>Fixed.</b>
8122	2007 Submission Report Does not display Application DUNS	An "Error on Adobe NIH K Career forms" issue was reported by Jody Schraden of NIH.	<b>Fixed.</b>

8395	Add more detail to error messages in rejected synopsis emails	Tried the following scenarios (separately). Each time got "Encountered an internal error during processing." Error message was not clear.	None of the messages are received to AT07 server. Please submit emails to at07 email synopsis.
5292	Create WS to allow for adding, editing, and deleting of opportunities and synopses	<p>Create Synopsis: -----</p> <p>1) Able to create an opportunity with an incorrect password in the XML file. Ex: RG-08042008-Opp2-WS</p> <p>2) Tried to use an incorrect UserId in the XML. Opportunity was not created, which is good. But the error message displayed is incorrect -- "Could not find agency:Rathna-1AB or GG-Rathna-1AB in system".</p> <p>3) Able to publish synopsis with yesterday's posting date. Ex: Posted synopsis with FON 'RG-08042008-OPP15-WS' on 8/5/08 with PostingDate=8/4/08. This is inconsistent with browser interface but consistent with the email-posting interface. Need requirements clarification from the PMO.</p> <p>4) Executing Create opportunity call is not successful on existing opportunities/synopsis unless &lt;FundingOppModSynopsis&gt; tag is used instead of &lt;FundingOppSynopsis&gt;. This is inconsistent with RID 470 mentioned below but consistent with create-synopsis-through-email interface.</p> <p>Modify synopsis: -----</p> <p>1) Created 'RG-08042008-OPP16-WS' using SaveAdobeOpportunityTest. Then modified the synopsis (modified the title, added another CFDA) using SaveAdobeOpportunityTest. Then searched for this FON using Basic Search functionality. On the search results page, updated title is displayed. But when clicked on this link, original synopsis is displayed. Modification is not displayed.</p> <p>2) Created 'RG-08052008-OPP1' through browser interface. Modified it once through WS using SaveAdobeOpportunityTest. Now there are 2 modifications available - Modification#1 and the latest modification. Part of the modification is available in Modification one.</p> <p>3) There is no option to enter 'Modification Comments'. Through browser interface this is mandatory but through synopsis-email interface this is not available.</p> <p>4) Note: SI should enable notification emails on AT07 so IV&amp;V can verify that the opportunities created and modified through WS are part of the notification emails.</p> <p>Delete Synopsis:</p>	<p>Create Synopsis:</p> <ol style="list-style-type: none"> <li>1) I think our current authentication is based on SSL handshake and not password check.</li> <li>2) I think error message was referring to the user id not being in the LDAP which is relevant.</li> <li>3) This is because of the grace period allowed to agencies using email synopsis. This is consistent with email synopsis.</li> <li>4) This is consistent with email synopsis. Our requirement is to do same as email synopsis.</li> </ol> <p>Modify Synopsis:</p> <ol style="list-style-type: none"> <li>1) Unable to reproduce. Tried the same opportunity and it goes to modification page.</li> <li>2)Unable to reproduce this problem.</li> <li>3)Synopsis email and S2S synopsis are consistent. Requirements are based on email synopsis.</li> <li>4)<b>Cron job is enabled.</b></li> </ol> <p>Delete Synopsis:</p> <ol style="list-style-type: none"> <li>1) Authentication is based on SSL handshake. If certificate has the roles to perform delete, synopsis can be deleted.</li> <li>2) This is not a valid scenario. This cannot be performed from User Interface also. Set agency level is a separate functionality allowed by user interface to give access for deleting the sub agencies.</li> </ol> <p>Delete Opportunity:</p> <ol style="list-style-type: none"> <li>1) Authentication is based on SSL handshake. If certificate has the roles to perform delete, opportunity can be deleted.</li> <li>2) This is not a valid scenario. This cannot be</li> </ol>

		<p>-----</p> <p>1) Able to delete using UserId which has no roles assigned.  2) Unable to delete subagency synopses (2007 system) using parent agency login. Error message "Failed to delete opportunity:, (Could not find opportunity for your agency.)" was returned.  Delete Opportunity:  -----</p> <p>1) Able to delete using UserId which has no roles assigned.  2) Unable to delete subagency synopses (2007 system) using parent agency login. Error message "Failed to delete opportunity:, (Could not find opportunity for your agency.)" was returned.  Note to the PMO:  *****</p> <p>Following are either consistent with the requirements but inconsistent with existing functionalities or requirements do not specify anything about them. Hence adding them as notes to the PMO:</p> <p>1) Agencies will have to create a file with XML to run the SaveAdobeOpportunityTest function (create and modify synopsis Webservice) and the contents of the file are same as the create-synopsis-email.  2) UserName is expected in this file, even though it is being sent through WS. This is inconsistent with existing WebServices functionalities.  3) Password tag is mandatory but the password data is not checked.  4) There are no options to enter modification comments when synopses are modified through Webservice (similar to modify-synopsis-through-email functionality). But this is mandatory through browser interface.  5) UserName or Agency-S2S certificate serial number is required as parameters to run Delete Synopsis and Delete Opportunity functions. This is inconsistent with existing WebServices functionalities. Agencies might have to modify their code if their certificate serial number changes or if a different user is assigned to execute these functions (with a different user id). Documentation should inform the agencies about this (so they are aware of it and can design their systems to have minimum or no changes in such situations).  * WSDL has not been verified by IV&amp;V.  * There is no documentation available with the updated Reference Implementations. This issue is tracked separately in SCR #8466.</p>	<p>performed from User Interface also. Set agency level is a separate functionality allowed by user interface to give access for deleting the sub agencies.</p> <p>&lt;&lt; Rest of the issues are notes to PMO &gt;&gt;</p>
4444	Applicant S2S: Provide S2S WS users with email	Published opportunities RG-08052008-OPP1 and RG-08052008-OPP2 today (couple of hours back). They are not displayed on the list.	<b>Fixed.</b>



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	notification or RSS feed of opportunity modifications		
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## Schedule

#	Activity	Scheduled Completion Date	Primary Owner	Deliverable (for a description , see section, below)
1.	Release Planning and Approval	04/03/2008	ICB	<ul style="list-style-type: none"> <li>Release Planning (this document)</li> </ul>
2.	Outreach / Communications planning	08/05/2008	Outreach	<ul style="list-style-type: none"> <li>Communication plan</li> </ul>
3.	Documentation Management Planning	4/03/2008	IV&V, SI, PMO	<ul style="list-style-type: none"> <li>Documentation Management Plan</li> </ul>
4.	Impact Management planning	TBA	IV&V	<ul style="list-style-type: none"> <li>Impact Management Plan</li> </ul>
5.	Development, Unit and Integration Testing	7/31/2008	SI	<ul style="list-style-type: none"> <li><b>Test Release</b></li> <li>Release Notes for Acceptance Testing</li> </ul>
6.	Acceptance Testing – Round 1	8/05/2008	IV&V	<ul style="list-style-type: none"> <li>Test report</li> </ul>
7.	SCR Re-work	8/05/2008	SI	<ul style="list-style-type: none"> <li><b>Test Release</b></li> <li>Updated Release Notes if required</li> <li>Release Notes for Operations</li> </ul>
8.	Acceptance Testing – Round 2	8/06/2008	IV&V	<ul style="list-style-type: none"> <li>Test report</li> </ul>
9.	SCR Development	8/06/2008	SI	<ul style="list-style-type: none"> <li><b>Test Release</b></li> </ul>
10.	Acceptance Testing – Round 3	8/07/2008	IV&V	<ul style="list-style-type: none"> <li>Acceptance Testing – Round 4 recommendation</li> </ul>
11.	Acceptance Testing – Round 4 (Production) Deployment recommendation	4/07/2008	IV&V	<ul style="list-style-type: none"> <li>Deployment Decision (Test)</li> <li>Final Deployment recommendation</li> </ul>
12.	Deployment Readiness Review	8/09/2008	PMO	<ul style="list-style-type: none"> <li>Deployment Decision Final</li> </ul>

13.	Deployment	8/09/2008	SI	<ul style="list-style-type: none"> <li>• <b>Release deployed in production</b></li> <li>• Documentation Updates</li> </ul>
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**Risk/Impact**

SCR implementation may impact Grants.gov customers and other stakeholders. The impact may be functional or operational. It may affect security, usability or performance of the application or require privacy considerations.

**Risks or Impacts**

<b>Risk or Impact</b>	<b>Management Strategy</b>
4436: Applicant S2S: Provide Agency Contact information to S2S WS users	Applicants must be informed of the new functionality on the updated WSDL. The WSDL is backward compatible i.e. Existing operation will not be affected.
4436: Applicant S2S: Provide Agency Contact information to S2S WS users	Applicants must be informed of the new functionality on the updated WSDL. The WSDL is backward compatible i.e. Existing operation will not be affected.
5272: Fix ability to sort by Owning Agency in Manage Application Package Templates	Agencies must be informed of the new search functionality In the agency User Interface under Manage Templates.
6657: E-biz POC section should contain listing of all applications submitted for a DUNS number	E-Biz POC Applicants must be aware of the new functionality "Check Application status" where only 2007 -Adobe and Adobe S2S- submissions are available.
5292: Create WS to allow for adding, editing, and deleting of opportunities and synopses	Agency S2S administrators must be informed of the new functionality on the updated WSDL. The WSDL is backward compatible i.e. Existing operation will not be affected.
8353: Add ability to search Grants.gov website static content	Applicants now have the ability to search Grants.gov Static contents, and FAQ.
4444: Applicant S2S: Provide S2S WS users with email notification or RSS feed of opportunity modifications	The RSS Refresh job will run at 45 after the hour around the clock.

**Approvals**

<b>Approval Level</b>	<b>Date Received</b>	<b>Approver</b>
Approval for Build	Content, 04/03/2008	Dima Smirnoff
Cost / Schedule Approval	ICM- 04/03/2008	Dima Smirnoff & PMO
Deployment to AT07	7/31/2008	Marwan Abu-Fadel

## ***Deliverables***

### **Communications Plan**

Representative items include communication with applicants and training for contact center staff; agency communications should consider deployment impact on closings.

### **Release Notes**

Release Notes for Acceptance Testing does include enough details about how a feature or bug fix is implemented to facilitate IV&V testing. SI will also include the test cases used to approving the SCR to be promoted to AT07.

Release Notes for Operations (Appendix A: SCR Acceptance Testing Release Notes) does include required details about web/application server or database configuration changes and any component dependencies to allow the operations staff to install the build.

### **Systems Operations Guide**

The System Operations Guide maintained by the operations staff shall be updated with every build based on the Build notes if required.

### ***Version Control***

<b>Version Number</b>	<b>Author</b>	<b>Brief Summary of Update</b>	<b>Date</b>
1.0	M Abu-Fadel	Release Notes for AT07 Release review	07/31/08

## Appendix A: SCR Acceptance Testing Release Notes

### SCR Functional Release Notes:

SCR	Title	Requirements
4541	Applicant S2S: Add the Grants.gov tracking ID Filter to the GetApplicationList	<p>RId 321:            UPDATED -- NEW TEXT IS:            Applicant system functionality GetApplicationList function obtains a list of all the applications submitted to the Grants.gov system for the requested certificate/duns            The result set can be filtered based on the following:            Status            Opportunity Number            CFDA Number            Submission Title            Grants Tracking</p> <p>RID 462:            The data returned by the system from the requested user search query shall be sorted using 50 results per page, and the headers section will remain fixed while the result data will scroll.</p> <p>RID 463:            Sorting functionality will be available for every column by clicking on the column header –an arrow will be displayed to point sorting preference for that column- .</p> <p>RID 464:            The response shall have the following elemnets:            CFDA Number              Opportunity Number            Competition ID            Grants.gov Tracking Number              Date/Time Received              Status*              Status Date/Time              Agency Tracking Number            Submission Title</p>
4451	Search: Opportunity Number should be case neutral for XML submissions and basic search	<p>RID: 298 Under search functionality:            UPDATED -- NEW Requirement TEXT IS:            Provide capability to perform search by Funding Opportunity Number. Opportunity should be be case insensitive in both Basic and Advance section of the search.</p>

SCR	Title	Requirements
4444	Applicant S2S: Provide S2S WS users with email notification or RSS feed of opportunity modifications	<p>RID:# 434 The system Shall have an RSS mechanism using ATOM specifications.</p> <p>RID:# 435 An RSS feed will be implemented on grant.gov to publish all new or changed opportunities vis an RSS feed and the applicant may use any RSS feed client. Some clients are build is to browser like IE, Firefox, Safari, outlook mail and exchange.</p> <p>The crobjob has been scheduled to run at 45 after the hour around the clock. The job writes to a logfile at /Products_Grants_gov/search/feed/generatefeed.log.</p>
5272	Fix ability to sort by Owing Agency in Manage Application Package Templates	<p>Requirements as Approved by PMO:</p> <p>RID 431: Agency Users shall shall have a link "Manage Application Package Templates" in the left Nav Bar, where NO templates shall be displayed when user clicks on Manage Application Package Templates link.</p> <p>RID 432: The page will display the Agreed upon Search box (like view all submitted applications) with it's functionality, Create button, Modify button, Delete Button, and the following message -You must select only one template before continuing.- under the Buttons.</p> <p>RID 436: The Search Functionality shall have the following: Search by: Owing Agency, or Templates Sort by: Owing Agency, or Templates</p> <p>RID 437: When the Agency user selects more than one Check box a pop up message will be displayed alerting him of the Alert. The system shall disable the following buttons: Modify, and Delete since only one check box must be selected to use these functionality.</p> <p>RID 438: When user selects more than 1 check box the "Create" button will remain active since it does not interact with any selected checked templates. (this is a stand alone functionality which does not Interact with existing Templates). After the creation of the Template , the returned screen will maintain the same result returned by the search request.</p>

SCR	Title	Requirements
5394	CFDA numbers label should be displayed on synopsis page even if no CFDA number is present	RID 439: CFDA Number(s): XXXXXX If Multiple CFDA exist the following will be displayed:  CFDA Number(s): XXXXXX yyyyyy xxxxxx  If No cfda exist then the following will be displayed:  CFDA Number(s): (blank)
5775	Organization report - Data should be displayed for all-zeros DUNS	BUG/Requirements: From the agency UI by clicking on "Organization Report" the system should display any duns entered for the query field regarding of the size of applicants registered under that duns. (applicants could be in the 1000's under duns 00000000, or 0000000000INDV in production).
6184	Allow for modification of closing dates and addition/modification of grace periods	RID 448: UPDATED -- NEW Requirement TEXT IS: Open Date: (format: MM/DD/YYYY) Close Date:* (format: MM/DD/YYYY) Grace Period: (System Shall Allow Grace Period modification on closed packages)
6657	E-biz POC section should contain listing of all applications submitted for a DUNS number	RID 450: The E-Business Point of Contact functionality shall be as follow: Manage Applicants Check Application Status Logout of Grants.gov  RID 453: Check Applications Status: When EBIZ POC clicks on the Check Application Status link, a blank page is displayed. EBIZ POC can then search/sort using the Search by/Sort by drop down menu to view the result set.  RID 454: Check Applications Status: link shall display the following columns: <ul style="list-style-type: none"> <li>• AOR Name * (new)</li> <li>• Awarding agency * (new)</li> <li>• CFDA</li> <li>• Opportunity Number</li> <li>• Competition ID</li> <li>• Grants.gov #</li> <li>• Date/Time Received</li> </ul>



SCR	Title	Requirements
		<ul style="list-style-type: none"> <li>• Status</li> <li>• Status Date</li> <li>• Agency Tracking #</li> <li>• Submission Name</li> <li>• Requested Amount</li> </ul> <p>RID 455 Check Applications Status: EBIZ user may search by any field and sort by another. The list of search/sort fields will be the same and will be part of the pull down menu.</p> <p>RID 456: Check Applications Status: Values for search criteria will support the full selection of wild cards. An implied wild card will be automatically appended to the end of the specified value behind the scene.</p> <p>RID 457: View all submissions will only show submissions from this build on forward.</p>
5292	Create WS to allow for adding, editing, and deleting of opportunities and synopses	<p>Requirement RID 467: The Agency Systems shall use the same Certificate to Authenticate with grants.gov</p> <p>RID 477: Agency User and certificate number must have Manage Synopsis as an active role.</p> <p>RID 468: The New methods will be called: 1. SaveAdobeOpportunity 2. DeleteAdobeOpportunity 3. DeleteAdobeSynopsis"</p> <p>RID 469: SaveAdobeOpportunity will create a new Opportunity and Synopsis if one does not exist for that agency and Opportunity number.</p> <p>RID 470: If the Opportunity exists for that agency this call will update such opportunity.</p> <p>RID 475: In the DTD -Same as synopsis XML email- there will be a userID and password as mandatory fields.</p> <p>RID 476: Insurting the Certificate Decimal serial number into the ""userID"" will trigger the webservice call for any functionality to be implemented under the Certificate agency level."</p>

SCR	Title	Requirements
		<p>RID 478: Inserting an Active Agency user name into the "userID" will trigger the webservice call for any functionality to be implemented under the User level agency as long as the userID and the certificate belong to the same agency."</p> <p>RID 480: Inserting an Active Agency user name into the "userID" will trigger the webservice call for any functionality to be implemented under the User level sub-agency as long as the user and the certificate belong to the same agency hierarchy"</p> <p>RID 479: The Agency S2S certificate must always be on the same or higher hierarchy for the UserID entered.</p> <p>RID 471: 2. DeleteAdobeOpportunity: This call will delete Adobe opportunity, Synopsis and packages, regardless if the package is still open or has been closed.</p> <p>RID 472: 3. DeleteAdobeSynopsis, will delete the Synopsis for that opportunity keeping the Opportunity and Package -if available- intact.</p> <p>RID 473: If no package is available the Agency S2S shall return an error to use DeleteAdobeOpportunity functionality.</p>
7962	Users should be able to attach MS office 2007 documents to synopsis	<p>RID 58: The system shall require that the user supply an application instruction document for the package. The format must be a valid MS Office product 3 digit extension or 4 digit extension example attachment.doc/xls or attachment.docx/xlsx and all other system approved document extensions.</p>
4436	Applicant S2S: Provide Agency Contact information to S2S WS users	<p>RID 481: Grants.gov system authorizes the GetOpportunitiesWithInfoRequest by checking the applicant system's SSL certificate number, retrieves the opportunities and sends a GetOpportunitiesWithInfoResponse SOAP message to the applicant system. The response should include – Title – CFDA Number – Opening/Closing Dates – Opportunity XML Schema (URL) – Opportunity Instructions (URL). – Link to instructions – Link to schema – Agency contact information.</p>

SCR	Title	Requirements
8353	Add ability to search Grants.gov website static content	RID 482: Create an out of the box solution with NO customization to the search and result page for a Google search functionality to search static website which will open in a new page.
8327	Make the Expected Number of Applications field mandatory	RID 447: Electronic Required:* Expected Number of Applications:* Expected Application Size:  *(Mandatory Field)
8315	Remove the non-agency links from "Browse by Agency" and "Search by Agency" on Grants.gov website	RID 367: Provide capability to browse list of grant opportunities by Agency. Only Display Federal Agencies and Approved listing which is set by the PMO.
8122	2007 Submission Report Does not display Application DUNS	RID 458: Submission Report: Enter Grant Tracking Number.  RID 443: Enter: Grants Tracking Number. Return/Results: (Example) Date/Time Received: 21-Jul-08 03:42:28 PM Agency: National Institutes of Health Status: Validated Submitter's User ID: nihapplicantp1 Applicant Name: Peter Liu DUNS in Application: 0443877930000 Submitter's DUNS: 0443877930000
8450	Left navigation bar: Forms repository menu items are inconsistent between AT07 and Production	The forms repository menu items listed on the left navigation bar are inconsistent with home page left menu.

SCR	Title	Requirements
8430	Links to rejections reports under View All Submitted Applications are not functioning	RID 466: If the current Package status is rejected, the Rejected Status will be a link to display the reason for rejection for that grants number.
8318	Opportunities posted to Grants.gov appear multiple times as separate/duplicate opportunities	RID 461: The System shall ensure the -Publish- button for synopsis can only be clicked once.
8395	Add more detail to error messages in rejected synopsis emails	RID 459: The System shall have a rejected synopsis email messages. Synopsis E-mail rejection notification content and format conform to the Grants.gov Successful Synopsis Notification with the addition to the failed field.

## Appendix B: Operations Release Notes

Operations Release notes added to this build. This build does not alter any system operations or require any special installation by the client or hosting facility. However a new field ORG\_DUNS is added to TSTATUS table to address:

- SCR # 6657: E-biz POC section should contain listing of all applications submitted for a DUNS number.

## Appendix C: Functional Test Cases

### SCR-4436:

2008\_02 Duma

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_4436	Title:	Agency contact information for S2S	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	1 - High	Last Chg Date of Test Header:	7/23/2008
				Tester Name:	Kavitha Vemula
Objectives:	To test the applicant S2S (Get Opportunity List) and make sure that the agency contact information is displayed.				
Assumptions:	An update to RI is made.				
Instructions:	Install the latest Referential Implementation(RI).				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Connect to the test environment as S2S applicant by changing the SOAP properties.	Connected to S2S and applicant is able to connect to the test environment using Referential Implementation(RI).	307	Pass	
2	Click on the GetOpportunityList on the left navigation bar of RI.	A list of open opportunities should be displayed as a result set. Make sure that the existing functionality is in place.	308	Pass	
3	Click on the GetOpportunitiesWithInfoRequest link in the left navigation bar.	All the list of open opportunities are displayed with agency contact information.	481	Pass	
4	Check for existing fields like Opportunity title Opportunity number CFDA number Competition Id Opening Date Closing Date Schema URL Instructions URL.	All the data is as expected for existing fields.	308	Pass	
5	Check for additional data with below fields in the result set for each opportunity. CFDA Description Offering Agency Agency Contact	All the data is as expected for all opportunities in the result set.		Pass	
<i>Requirements</i>					

#### 2008 02 SCR 4436

##### RID Requirement

- 307:** Grants.gov system authorizes the request by checking the applicant system's SSL certificate number, retrieves the opportunities and sends a GetOpportunityListResponse SOAP message to the applicant system. The response should include – Title
- CFDA Number
  - Opening/Closing Dates
  - Opportunity XML Schema (URL)
  - Opportunity Instructions (URL).
- 308:** The applicant system should process the GetOpportunityListResponse SOAP message sent by Grants.gov system.
- 481:** Grants.gov system authorizes the GetOpportunitiesWithInfoRequest by checking the applicant system's SSL certificate number, retrieves the opportunities and sends a GetOpportunitiesWithInfoRequestResponse SOAP message to the applicant system. The response should include – Title
- CFDA Number
  - Opening/Closing Dates
  - Opportunity XML Schema (URL)
  - Opportunity Instructions (URL).
  - Link to instructions
  - Link to schema
  - Agency contact information.

## SCR-5836:

## SCR-4444:

2008\_02 Data

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_4444	Title:	RSS Feed for Opportunity modifications			Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/23/2008	Tester Name:	Kavitha Vemula
Objectives:	To test he RSS feed available for opportunity modifications.						
Assumptions:	RSS feed is implemented for modified opportunities.						
Instructions:	Navigate to Grants.gov page to see the link for RSS Feed.						
<i>Test Script</i>							
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #		
1	Make sure that there is a link on Grants.gov website with RSS feed of all opportunities.	A link with RSS feed is available on Grants.gov website with all opportunities available.	434	Pass			
2	Click on the link to validate the data in RSS Feed.	All modified opportunities are part of the RSS Feed as expected.	435	Pass			
<i>Requirements</i>							

### 2008 02 SCR 4444

#### RID Requirement

**434:** The system Shall have an RSS mechanism using ATOM specifications.

**435:** An RSS feed will be implemented on grant.gov to publish all new or changed opportunities vis an RSS feed and the applicant may use any RSS feed client. Some clients are build is to browser like IE, Firefox, Safari, outlook mail and exchange.

**SCR-4451:**

2008\_02\_BUG#

Wednesday, Oct 30, 2008

<b>TestCase ID:</b>	2008_02_SCR_4451	<b>Title:</b>	Case sensitivenss for XML Submissions and basic search.	<b>Test Date:</b>	07-30-2008
<b>Test Type:</b>	Both (F&A)	<b>Priority:</b>	5 - Med	<b>Last Chg Date of Test Header:</b>	7/23/2008
<b>Tester Name:</b>	Kavitha Vemula				
<b>Objectives:</b>	To test and make sure that opportunity number in XML submissions and basic search is case neutral.				
<b>Assumptions:</b>	An opportunity is posted on Grants.gov				
<b>Instructions:</b>	Connect to the S2S applicant section to submit an XML.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Search for a funding opportunity in basic search using mixed case funding opportunity number.	Opportunity details are displayed on the search result set.	298	Pass	
2	Submit an S2S submission with competitionid in lower case.	Submission is validated.	465	Pass	
<i>Requirements</i>					

**2008\_02\_SCR\_4451**
**RID Requirement**
**298:** UPDATED -- NEW TEXT IS:

Provide capability to perform search by Funding Opportunity Number. Opportunity should be case insensitive in both Basic and Advance section of the search.

UPDATED -- ORIGINAL TEXT WAS:

Provide capability to perform search by Funding Opportunity Number.

**465:** The Competition ID in the submit XML should be case Insensitive.



**SCR-4541:**

2008\_02\_BUMU

Wednesday, 09/30/2008

<b>TestCase ID:</b>	2008_02_SCR_4541	<b>Title:</b>	GrantsGov tracking number in Get Application List	<b>Test Date:</b>	07-30-2008
<b>Test Type:</b>	Both (F&A)	<b>Priority:</b>	5 - Med	<b>Last Chg Date of Test Header:</b>	7/23/2008
				<b>Tester Name:</b>	Kavitha Vemula
<b>Objectives:</b>	To test the Get Application List functionality of S2S submissions.				
<b>Assumptions:</b>	Referential Implementation is updated.				
<b>Instructions:</b>	Install the latest version of Referential Implementation(RI)				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Connect to the test environment as S2S applicant by changing the SOAP properties.	Connected to S2S and applicant is able to connect to the test environment using Referential Implementation(RI).	284	Pass	
2	Click on the GetApplicationList on the left navigation bar of RI.	A list of open opportunities should be displayed as a result set.	321	Pass	
3	Make sure all the existing options are available to filter: Status Opportunity Number CFDA Number Submission Title	All the options are available and functioning like before.	321	Pass	
4	Check for a new option called Grant Tracking :	A new option called Grant Tracking is available in the Get Application List web service.	321	Pass	
5	Filter the list and get status for a grant tracking number.	Status of the tracking number is displayed as available in database.	462	Pass	
6	Make sure that the result set includes the below data: CFDA Number Opportunity Number CompetitionId GrantsGov Tracking number Date/Time received Status Status Date/Time Agency tracking number Submission Title	All the data is available as expected. There are 50 results per page and header sections will remain while data scrolls.	462 464	Pass	
7	Repeat the process for multiple submissions. Make sure that sorting also works.	Status of these tracking numbers is displayed. Sorting also as expected.	463	Pass	
8	Enter a tracking number for a different applicant.	Status should not be displayed as the user is not authorized to see the status of this submission.	321	Pass	
9	Enter an invalid tracking number.	Error message is displayed as expected.	321	Pass	

2008\_02 DUNS

Wednesday, Oct 30, 2008

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*Requirements*

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**2008 02 SCR 4541**

## RID Requirement

- 
- 284:** The Grants.gov system will support “system-to-system” interfaces that will allow applicants to employ automated systems to submit grant application packages.
- 321:** UPDATED -- NEW TEXT IS:  
Applicant system functionality GetApplicationList function obtains a list of all the applications submitted to the Grants.gov system for the requested certificate/duns  
The result set can be filtered based on the following:  
Status  
Opportunity Number  
CFDA Number  
Submission Title  
Grants Tracking
- UPDATED -- ORIGINAL TEXT WAS:  
DELETED -- ORIGINAL TEXT WAS:  
If the applicant system fails to process the SubmitApplicationResponse sent by Grants.gov, applicant system should use the GetApplicationList function to obtain a list of all the applications submitted to the Grants.gov system. Resubmitting this application to the grants.gov system is recommended.
- 462:** The data returned by the system from the requested user search query shall be sorted using 50 results per page, and the headers section will remain fixed while the result data will scroll.
- 463:** Sorting functionality will be available for every column by clicking on the column header –an arrow will be displayed to point sorting preference for that column- .
- 464:** The response shall have the following elements:  
CFDA Number  
Opportunity Number  
Competition ID  
Grants.gov Tracking Number  
Date/Time Received  
Status\*  
Status Date/Time  
Agency Tracking Number  
Submission Title

**SCR-5272:**

2008\_02\_BUMU

Wednesday, Jul 30, 2008

Test Case ID:	2008_02_SCR_5272	Title:	Sort Owning agency in Manage Application Templates page	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/23/2008
				Tester Name:	Kavitha Vemula
Objectives:	To test the sort by owning agency functionality in Manage Application package templates page.				
Assumptions:	There are multiple templates available in the system.				
Instructions:	Login to grants.gov as an agency user.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Login to Grants.gov as agency user and navigate to Manage Application package templates page.	User is navigated to the Manage Application package templates page.	431	Pass	
2	Make sure that there are Create button, modify button and delete button on the Manage templates page.	All the buttons and the screen are as expected.	432	Pass	
3	Make sure that the search and sort functionality is available for required fields.	Search and sort functionality is available for expected fields.	436	Pass	
4	Make sure that the search and sort functionality is fine with all headers.	Search and sort functionality is fine and data is as expected for all headers.	436	Pass	
5	Make sure that only 1 check box is allowed to check for modify and delete options.	Only 1 check box is allowed for modify and delete options.	437	Pass	
6	Make sure that when 1 or more check boxes is selected, create button is enabled for changes.	Create button is enabled at all times.	438	Pass	
7	Create a new template, modify and then delete it. Make sure that the screen is not refreshed after the action in each of these cases.	Able to create a new template, modify and delete. Screen is not refreshed in each of these cases.	438	Pass	
8	Make sure that the following text is displayed on the manage templates page "You must select only one template before continuing - under the Buttons."	Text is on the screen.	432	Pass	
<i>Requirements</i>					

**2008 02 SCR 5272**
**RID Requirement**

- 431:** Agency Users shall have a link "Manage Application Package Templates" in the left Nav Bar, where NO templates shall be displayed when user clicks on Manage Application Package Templates link.
- 432:** The page will display the Agreed upon Search box (like view all submitted applications) with its functionality, Create button, Modify button, Delete Button, and the following message -You must select only one template before continuing - under the Buttons.
- 436:** The Search Functionality shall have the following:  
 Search by: Owning Agency, or Templates  
 Sort by: Owning Agency, or Templates
- 437:** When the Agency user selects more than one The system shall disable the following buttons: Modify, and Delete since only one check box must be selected to use these functionality.
- 438:** When user selects more than 1 check box the "Create" button will remain active since it does not interact with any selected checked templates. (this is a stand alone functionality which does not interact with existing Templates). After the creation of the Template, the returned screen will maintain the same result returned by the search request.

**SCR-5292:**

2008\_02 Data

Wednesday, 09/30/2008

<b>TestCase ID:</b>	2008_02_SCR_5292	<b>Title:</b>	Add, update, delete adobe opportunities.	<b>Test Date:</b>	07-30-2008
<b>Test Type:</b>	Both (F&A)	<b>Priority:</b>	5 - Med	<b>Last Chg Date of Test Header:</b>	7/30/2008
				<b>Tester Name:</b>	Kavitha Vemula
<b>Objectives:</b>	To test and make sure that adobe opportunities can be added/updated/deleted using S2S web services.				
<b>Assumptions:</b>	Agency user has a certificate installed in Grants.gov				
<b>Instructions:</b>	Connect to the test environment of Grants.gov using webservice.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Make sure that agency users are connected using S2S.	Certificate is authenticated and agency is connected to grants.gov using S2S.	467	Pass	
2	Try submitting a synopsis without an active role "Manage Synopsis" to the certificate.	Agency can't submit a synopsis using S2S when they don't have the role.	477	Pass	
3	Use the new method call SaveAdobeOpportunity and send a synopsis XML.	A synopsis is saved in the database and agency users can see it from User interface.	468 469	Pass	
4	Use the SaveAdobe Opportunity method and send an XML for an existing opportunity.	Modifications are made to the existing opportunity.	470	Pass	
5	Submit the XML without Userid and password and make sure that the submission is rejected.	Submission is rejected.	475	Pass	
6	Use the certificate serial number for user id in the XML.	Opportunity is created under the owning agency of the certificate serial number.	478 480	Pass	
7	Make sure that S2S certificate is always on the higher/same hierarchy than the userid.	Hierarchy is maintained.	479	Pass	
8	Call the DeleteAdobeOpportunity method with an existing opportunity number.	Opportunity is deleted along with packages and synopsis.	471	Pass	
9	Call the deleteadobesynopsis method with a opportunity number.	Synopsis is deleted if there are existing packages.	472	Pass	
10	Call the deleteadobesynopsis method.	DeleteSynopsis method doesn't delete synopsis when there are no packages.	473	Pass	

**2008 02 SCR 5292**
**RID Requirement**

**467:** The Agency Systems shall use the same Certificate to Authenticate with grants.gov

**468:** The New methods will be called:

1. SaveAdobeOpportunity
2. DeleteAdobeOpportunity
3. DeleteAdobeSynopsis

**469:** SaveAdobeOpportunity will create a new Opportunity and Synopsis if one does not exist for that agency and Opportunity number.

**470:** If the Opportunity exists for that agency this call will update such opportunity.

**471:** 2. DeleteAdobeOpportunity: This call will delete Adobe opportunity, Synopsis and packages, regardless if the package is still open or has been closed.

**472:** 3. DeleteAdobeSynopsis, will delete the Synopsis for that opportunity keeping the Opportunity and Package -if available- intact.

**473:** If no package is available the Agency S2S shall return an error to use DeleteAdobeOpportunity functionality.

**475:** In the DTD -Same as synopsis XML email- there will be a userID and password as mandatory fields.

**477:** Agency User and certificate number must have Manage Synopsis as an active role.

**478:** Inserting an Active Agency user name into the "userID" will trigger the webservice call for any functionality to be implemented under the User level agency as long as the userID and the certificate belong to the same agency.

**479:** The Agency S2S certificate must always be on the same or higher hierarchy for the UserID entered.

**480:** Inserting an Active Agency user name into the "userID" will trigger the webservice call for any functionality to be implemented under the User level sub-agency as long as the user and the certificate belong to the same agency hierarchy

**SCR-5394:**

2008\_02\_Bumu

Wednesday, 09/30/2008

<b>TestCase ID:</b>	2008_02_SCR_5394	<b>Title:</b>	CFDA number label to be displayed when there is no CFDA number.	<b>Test Date:</b>	07-30-2008
<b>Test Type:</b>	Both (F&A)	<b>Priority:</b>	5 - Med	<b>Last Chg Date of Test Header:</b>	7/23/2008
<b>Tester Name:</b>	Kavitha Vemula				
<b>Objectives:</b>	To test and make sure that the CFDA number label is present in the Search synopsis details page when no CFDA number is associated to the opportunity.				
<b>Assumptions:</b>	An opportunity without CFDA number exists in the system.				
<b>Instructions:</b>	Navigate to the search page.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Create an FON without CFDA number.	A funding opportunity is created with out CFDA number.	439	Pass	
2	Search for this FON using basic search.	FON is available as part of the search results.	237	Pass	
3	Click on the opportunity title to navigate to the synopsis details page.	Synopsis details page is displayed.	376	Pass	
4	Check for the CFDA number label is present even though there is no CFDA number associated with this package.	An empty CFDA number label is present on the Synopsis Details page.	439	Pass	
5	Search for this FON with CFDA number using basic search.	FON is available as part of the search results.	439	Pass	
6	Click on the opportunity title to navigate to the synopsis details page.	Synopsis details page is displayed.	376	Pass	
7	Make sure that the CFDA number label is present in the synopsis details page.	CFDA number label is present on the Synopsis Details page.	439	Pass	
<i>Requirements</i>					

**2008 02 SCR 5394**
**RID Requirement**

**237:** Provide "Basic Search" option that combines Keyword, Funding Opportunity Number and CFDA search.

**376:** Provide capability to hyperlink Opportunity Title to the Opportunity Details page.  
The opportunity titles on the search results page must be hyperlinked to the Opportunity Details page.

**439:** Display the CFDA in the following format:  
CFDA Number(s): XXXXXXX  
If Multiple CFDA exist the following will be displayed:

```
CFDA Number(s): XXXXXXX
                YYYYYY
                XXXXXX
```

If No cfda exist then the following will be displayed:

```
CFDA Number(s): -blank-
```

**SCR-5575:**

2008\_02 DUNS

Wednesday, Jul 30, 2008

Test Case ID:	2008_02_SCR_5775	Title:	Organization report			Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/23/2008	Tester Name:	Kavitha Vemula
Objectives:	To test and make sure that the organization report works for all DUNS.						
Assumptions:	There are multiple applicants under the 000000000 DUNS number.						
Instructions:	Login to the Grants.gov.						

## Test Script

Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Log in to grants.gov as a grantsgovadmin.	Logged into Grants.gov as grantsgovadmin.	442	Pass	
2	Navigate to the Organization report page and run the report for 000000000 - DUNS	All the entries are displayed as part of the report.	442	Pass	
3	Run the report for couple of other DUNS to make sure that the results are generated.	Results are generated as expected.	442	Pass	

## Requirements

**2008 02 SCR 5775**

## RID Requirement

**442:** Organization Report:  
 Enter: DUNS  
 Return:

## Organization Report Results

Last Name, First Name, User ID, Email Address, Telephone Number, Registered with Grants.Gov,  
 Authorized Organization Representative (AOR)



## SCR-6184:

2008\_02 Build

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_6184	Title:	Modification of Closing dates	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/23/2008
				Tester Name:	Kavitha Vemula
Objectives:	To test and update the grace period on the day of closing.				
Assumptions:	A package is ready to be modified on the closing date.				
Instructions:	Login to Grants.gov				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Login as grantor and navigate to an opportunity package which is closing today.	User is in the package which is closing today.	448	Pass	
2	Add 2 days as grace period to the package.	Grace period is added to the package without any problems.	448	Pass	
3	Edit the grace period to 5 days.	Grace period is added to the package without any problems.	448	Pass	
4	Submit the application package in the grace period time and make sure it is validated.	Application package is validated as expected.	448	Pass	
<i>Requirements</i>					

### 2008 02 SCR 6184

#### RID Requirement

**448:** UPDATED -- NEW TEXT IS:

Open Date: (format: MM/DD/YYYY)

Close Date:\* (format: MM/DD/YYYY)

Grace Period: 999 (System Shall Allow Grace Period modification on closed packages)

UPDATED -- ORIGINAL TEXT WAS:

Open Date: (format: MM/DD/YYYY)

Close Date:\* (format: MM/DD/YYYY)

Grace Period: 999

## SCR-6657:

2008\_02 Build

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_6657	Title:	New functionality under E-Biz POC	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008
				Tester Name:	Kavitha Vemula
Objectives:	To test the new functionality of Check Application Status under E-Biz.				
Assumptions:	There are multiple submissions made from different applicants under this organization.				
Instructions:	Navigate to the E-Biz login page of Grants.gov				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Log in to the application as a EBIZ POC.	Logged in to the application as an EBIZ POC.	450	Pass	
2	Make sure that a new link to Check Application Status is available when user logs into the system.	A new link is available on the left navigation bar as expected.	453	Pass	
3	Make sure that all the existing functionality is available.	All existing functionality is available.	453	Pass	
4	Click on the Check Application Status link.	User is navigated to the Check Application Status page.	453	Pass	
5	Search by opportunity number and sort by tracking number descending.	All the records are displayed as expected.	455	Pass	
6	"Make sure that the result set includes all the headers from Check Application status and additionally contains the below headers: Awarding agencyAOR Name."	Result set is as expected.	454	Pass	
7	Search for text using wild cards and	Results are as expected.	456	Pass	

2008\_02 Data

Wednesday, Oct 30, 2008

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*Requirements*

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**2008 02 SCR 6657**

## RID Requirement

**450:** UPDATED -- NEW TEXT IS:

The E-Business Point of Contact functionality shall be as follow:

- Manage Applicants
- Check Application Status
- Logout of Grants.gov

## UPDATED -- ORIGINAL TEXT WAS:

The E-Business Point of Contact functionality shall be as follow:

- Manage Applicants
- Logout of Grants.gov

**453:** Check Applications Status:

When EBIZ POC clicks on the Check Application Status link, a blank page is displayed. EBIZ POC can then search/sort using the Search by/Sort by drop down menu to view the result set.

**454:** Check Applications Status:

link shall display the following columns:

- AOR Name \* (new)
- Awarding agency \* (new)
- CFDA
- Opportunity Number
- Competition ID
- Grants.gov #
- Date/Time Received
- Status
- Status Date
- Agency Tracking #
- Submission Name
- Requested Amount

**455:** Check Applications Status:

EBIZ user may search by any field and sort by another. The list of search/sort fields will be the same and will be part of the pull down menu.

**456:** Check Applications Status:

Values for search criteria will support the full selection of wild cards. An implied wild card will be automatically appended to the end of the specified value behind the scene.



**SCR-7962:**

2008\_02\_Bumu

Wednesday, 09/30/2008

<b>TestCase ID:</b>	2008_02_SCR_7962	<b>Title:</b>	Attaching MS-Office 2007 documents as Synopsis attachments	<b>Test Date:</b>	07-30-2008
<b>Test Type:</b>	Both (F&A)	<b>Priority:</b>	5 - Med	<b>Last Chg Date of Test Header:</b>	7/24/2008
<b>Tester Name:</b>	Kavitha Vemula				
<b>Objectives:</b>	To test and make sure that MS - Office documents can be attached as Synopsis attachments.				
<b>Assumptions:</b>	User has role to create/modify Synopsis.				
<b>Instructions:</b>	Navigate to Grants.gov				

*Test Script*

Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Log in as an agency user and create a opportunity with synopsis.	An opportunity with synopsis is created.	392	Pass	
2	Add MS Office 2007 attachments to the synopsis.	MS Office 2007 documents are attached to the synopsis without any problems.	58	Pass	
3	Search this opportunity using basic search.	Opportunity is available using basic search.	237	Pass	
4	Download the full announcement attachments.	Full announcement attachments are downloaded without any problem.	58	Pass	

*Requirements*
**2008 02 SCR 7962**
**RID Requirement**
**58:** UPDATED -- NEW TEXT IS:

The system shall require that the user supply an application instruction document for the package. The format must be a valid MS Office product 3 digit extension or 4 digit extension example attachment.doc/xls or attachment.docx/xlsx and all other system approved document extensions.

## UPDATED -- ORIGINAL TEXT WAS:

The system shall require that the user supply an application instruction document for the package.

**237:** Provide "Basic Search" option that combines Keyword, Funding Opportunity Number and CFDA search.

**392:** The system shall provide Create New Funding Opportunity Synopsis functionality as Optional. To make Opportunity searchable by applicants a synopsis must be created.

**SCR-8122:**

2008\_02 DUNS

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_8122	Title:	Submission report for 2007 submissions.	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008
				Tester Name:	Kavitha Vemula
Objectives:	To test and make sure that the submission report is retrieving DUNS number from DUNS in the application package.				
Assumptions:	A submission is made by applicant and is processed by Grants.gov				
Instructions:	Navigate to Grants.gov test environment.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Submit a package using an invalid DUNS number.	Submission is rejected with errors.	458	Pass	
2	Log in to the agency as Grants Gov Admin user and run the submission report for this submission.	Submission report shows the 2 different DUNS(DUNS entered in the form and the other DUNS that user belongs to.)	458	Pass	
3	Submit a package using valid DUNS number.	Submission is validated.	443	Pass	
4	Log in to the agency as Grants Gov Admin user and run the submission report for this submission.	Submission report shows the 2 same DUNS.	443	Pass	
<i>Requirements</i>					

**2008\_02\_SCR\_8122**
**RID Requirement**

- 443:** Submission Report:  
 Enter: Grants Tracking Number.  
 Return/Results:  
 Date/Time Received: 21-Jul-08 03:42:28 PM  
 Agency: National Institutes of Health  
 Status: Validated  
 Submitter's User ID: nihapplicantp1  
 Applicant Name: Peter Liu  
 DUNS in Application: 0443877930000  
 Submitter's DUNS: 0443877930000
- 458:** Submission Report:  
 Enter Grant Tracking Number.

**SCR-8315:**

2008\_02 Data

Wednesday, Oct 30, 2008

TestCase ID:	2008_02_SCR_8315	Title:	Agencies in Browse by agency and Search by agency	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008
				Tester Name:	Kavitha Vemula
Objectives:	To make sure that certain agencies are removed from search by agency and Browse by agency pages.				
Assumptions:	All the below mentioned agencies are present in grants.gov system.				
Instructions:	Navigate to the test environment of Grants.gov				

## Test Script

Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Navigate to the search page.	User is navigated to search page.	367	Pass	
2	Make sure that the following agencies are not part of the Browse by Agency tab.  City of Orlando General Dynamics Information Technology State of Texas IV&V Test Agency State of Minnesota District of Columbia	These agencies are not part of the Browse by agency tab.	364	Pass	

3	Make sure that the following agencies are not part of the Advanced Search Browse by agency drop down.  City of Orlando General Dynamics Information Technology State of Texas IV&V Test Agency State of Minnesota District of Columbia	These agencies are not part of the Advanced search tab.	367	Pass	
---	---	---	-----	------	--

## Requirements

**2008\_02\_SCR\_8315**

## RID Requirement

**364:** Provide capability to search by one or more Agency name.

**367:** UPDATED -- NEW TEXT IS:

Provide capability to browse list of grant opportunities by Agency. Only Display Federal Agencies and Approved listing which is set by the PMO.

UPDATED -- ORIGINAL TEXT WAS:

Provide capability to browse list of grant opportunities by Agency.

**SCR-8318:**

2008\_02\_Bumu

Wednesday, 01/30, 2008

TestCase ID:	2008_02_SCR_8318	Title:	Duplicate Opportunities.			Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008	Tester Name:	Kavitha Vemula
Objectives:	To test and ensure that duplicate opportunities are not created in Grants.gov system.						
Assumptions:	User has role to create new opportunities.						
Instructions:	Navigate to Grants.gov test environment.						
<i>Test Script</i>							
Step	Stimulus/Action	Respond/Expected Result			RID	Status	Bug #
1	Login as an agency user and publish a synopsis.	Publishing the synopsis.			461	Pass	
2	While the synopsis is getting published, click on the publish button multiple times.	Publish button is disabled when clicked on once.			461	Pass	
3	Search for the opportunity after 30 minutes.	Make sure only one instance of the result set is displayed for this opportunity.			461	Pass	
<i>Requirements</i>							

**2008\_02\_SCR\_8318**
**RID Requirement**

**461:** The System shall ensure the -Publish- button for synopsis can only be clicked once.

**SCR-8147:**

2008\_02 DDUU

Wednesday, Oct 30, 2008

TestCase ID:	2008_02_SCR_8327	Title:	Expected number of applications field mandatory	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008
				Tester Name:	Kavitha Vemula
Objectives:	To make sure that the expected number of applications field is mandatory from User Interface.				
Assumptions:	User has the role to create new synopsis.				
Instructions:	Navigate to Grants.gov test environment.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Login to the application as an agency user.	Logged in as an agency user.	447	Pass	
2	Create the application package without the entering the expected number of applications field.	An error is displayed asking to enter the required field "Expected number of applications".	447	Pass	
3	Enter the expected number of applications as "0".	Package is created with expected number of applications as "0".	447	Pass	
4	Make sure that the text "If you are unsure of the expected number of applications, provide your best estimate.)" is present next to the field.	Text is next to the field as expected.	447	Pass	
5	Edit the application application to add 10 as the expected number of applications.	Expected number of applications is updated to the new value.	447	Pass	
6	Edit the application package and delete the expected number of applications.	An error is displayed asking to enter the required field "Expected number of applications".	447	Pass	
7	Log out of the application.	Logged out of the application.	447	Pass	
<i>Requirements</i>					

**2008\_02 SCR 8327**

RID Requirement

**447:** UPDATED -- NEW TEXT IS:  
 Electronic Required:\*  
 Expected Number of Applications:\*  
 Expected Application Size:

\*(Mandatory Field)

UPDATED -- ORIGINAL TEXT WAS:  
 Electronic Required:\*  
 Expected Number of Applications:  
 Expected Application Size:

**SCR-8163:**

2008\_02 DDUU

Wednesday, Oct 30, 2008

TestCase ID:	2008_02_SCR_8353	Title:	Ability to search Grants.gov static content	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/30/2008
				Tester Name:	Kavitha Vemula
Objectives:	To test and make sure that search results are appropriate when searched for static content.				
Assumptions:	Google crawled the static content.				
Instructions:	Navigate of the search URL.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Search for different options and make sure that appropriate search results are provided within Grants.gov Static content.	Search results are provided with in the Grants.gov static content.		Pass	
<i>Requirements</i>					

**Requirements:**

RID 482:

Create an out of the box solution with NO customization to the search and result page for a Google search functionality to search static website which will open in a new page.

**SCR-8395:**

2008\_02 DDUU

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_8395	Title:	Rejection messages in Synopsis emails	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008
				Tester Name:	Kavitha Vemula
Objectives:	To ensure that rejection messages have more explanation.				
Assumptions:	User has the role to publish a synopsis.				
Instructions:	Navigate to Grants.gov test environment.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Submit an email synopsis without closing date and closing date explanation.	Email synopsis is submitted.	459	Pass	
2	Check for the rejection email error message.	Error message is descriptive enough to identify the problem.	459	Pass	
<i>Requirements</i>					

**2008 02 SCR 8395**

RID Requirement

**459:** The System shall have a rejected synopsis email messages. Synopsis E-mail rejection notification content and format conform to the Grants.gov Successful Synopsis Notification with the addition to the failed field.

**SCR-8430:**

2008\_02 DDUU

Wednesday, Jul 30, 2008

TestCase ID:	2008_02_SCR_8430	Title:	Error messages on View All submitted applications page.	Test Date:	07-30-2008
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/28/2008
				Tester Name:	Kavitha Vemula
Objectives:	To ensure that the rejection messages are visible from View all submitted applications page.				
Assumptions:	There is atleast one submission for the agency which is rejected.				
Instructions:	Navigate to Grants.gov test environment.				
<i>Test Script</i>					
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #
1	Log in to the application as grantor and navigate to View all submitted applications page.	User is in the View all submitted applications page.	107	Pass	
2	Search for submissions with status of "Rejected with Errors".	Few submissions are found.	466	Pass	
3	Click on the Rejected with Error link to check for the error that caused Rejection.	Error message is displayed without any problem.	466	Pass	
<i>Requirements</i>					

**2008 02 SCR 8430**

RID Requirement

**107:** Current package status. This status may be Accepted or Rejected

**466:** If the current Package status is rejected, the Rejected Status will be a link to display the reason for rejection for that grants number.

**SCR-8430:**

2008\_02 Data

Wednesday, 09/30/2008

Test Case ID:	2008_02_SCR_8450	Title:	Left navigation bar for forms repository menu		Test Date:	07-30-2008	
Test Type:	Both (F&A)	Priority:	5 - Med	Last Chg Date of Test Header:	7/24/2008	Tester Name:	Kavitha Vemula
Objectives:	To make sure that left navigation bar is in synch with Production left navigation bar for forms repository.						
Assumptions:	Left navigation menu is made to synch production.						
Instructions:	Navigate to the test environment of Grants.gov						
<i>Test Script</i>							
Step	Stimulus/Action	Respond/Expected Result	RID	Status	Bug #		
1	Navigate to the forms repository in test environment and production in 2 different browsers.	Navigation is similar in both environments.		Pass			
2	Click on the sub menu of the forms repository in both environments to make sure they are in synch.	Navigation is similar in both environments.		Pass			

## Appendix D: Applicant S2S WSDL

```

<wsdl:definitions xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
  xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
  xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
  xmlns:glob="http://apply.grants.gov/system/Global-V1.0"
  xmlns:apis="http://apply.grants.gov/WebServices/ApplicantIntegrationServices-V1.0"
  targetNamespace="http://apply.grants.gov/WebServices/ApplicantIntegrationServices-
V1.0"
  name="ApplicantIntegrationServices">
  <wsdl:types>
    <xsd:schema
      targetNamespace="http://apply.grants.gov/WebServices/ApplicantIntegrationServices-
V1.0"
      xmlns:apis="http://apply.grants.gov/WebServices/ApplicantIntegrationServices-V1.0"
      elementFormDefault="qualified" attributeFormDefault="qualified"
      version=".1">
      <!--System Data Types-->
      <xsd:import namespace="http://schemas.xmlsoap.org/wsdl/"
        schemaLocation="http://schemas.xmlsoap.org/wsdl/" />
      <xsd:import
        namespace="http://schemas.xmlsoap.org/wsdl/soap/"
        schemaLocation="http://schemas.xmlsoap.org/wsdl/soap/" />
      <xsd:import
        namespace="http://apply.grants.gov/system/Global-V1.0"
  
```



```

        schemaLocation="http://apply.grants.gov/system/schemas/Global-
V1.0.xsd" />
        <xsd:element name="ActivityTitle" type="glob:StringMin1Max120Type"
/>
        <xsd:element name="AgencyName" type="glob:StringMin1Max60Type"
/>
        <xsd:element name="CFDANumber"
type="glob:StringMin1Max15Type" />
        <xsd:element name="ClosingDate" type="xsd:date" />
        <xsd:element name="CompetitionID"
type="glob:StringMin1Max100Type" />
        <xsd:element name="OpeningDate" type="xsd:date" />
        <xsd:element name="OpportunityID"
type="glob:StringMin1Max100Type" />
        <xsd:element name="OpportunityTitle"
type="glob:StringMin1Max255Type" />
        <xsd:element name="SubmissionTitle"
type="glob:StringMin1Max240Type" />
        <xsd:element name="ReceivedDateTime" type="xsd:dateTime" />
        <xsd:element name="StatusDateTime" type="xsd:dateTime" />
        <xsd:element name="SubmitterName"
type="glob:StringMin1Max240Type" />
        <xsd:element name="Grants_govTrackingNumber"
type="glob:StringMin1Max240Type" />
        <xsd:element name="AgencyTrackingNumber"
type="glob:StringMin1Max240Type" />
<!-- new service(s) :: BEGIN -->
        <xsd:element name="CFDADescription"
type="glob:StringMin1Max255Type" />
        <xsd:element name="OfferingAgency"
type="glob:StringMin1Max255Type" />
<!-- new service(s) :: END -->
        <xsd:element name="GetOpportunityListRequest">
          <xsd:complexType>
            <xsd:sequence>
              <!-- One of the elements are required -->
              <xsd:element ref="apis:OpportunityID"
minOccurs="0" />
              <xsd:element ref="apis:CFDANumber"
minOccurs="0" />
              <xsd:element ref="apis:CompetitionID"
minOccurs="0" />
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>

```



```

        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="GetOpportunityListResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="OpportunityInformation"
            type="apis:OpportunityInformationType"
            minOccurs="0"
            maxOccurs="unbounded" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="SubmitApplicationRequest">
      <xsd:complexType>
        <xsd:sequence>
          <!-- A Valid Grants.gov XML application -->
          <xsd:element name="GrantApplicationXML"
            type="xsd:anyType" minOccurs="1"
            maxOccurs="1" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="SubmitApplicationResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element
            ref="apis:Grants_govTrackingNumber" />
          <xsd:element ref="apis:ReceivedDateTime" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="GetApplicationListRequest">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="ApplicationFilter"
            minOccurs="0" maxOccurs="unbounded">
            <!-- If there is no ApplicationFilter specified
            in the GetApplicationRequest, the web services will response with the list of ALL applications
            on Grants.gov. -->
          </xsd:element>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:restriction
      base="apis:ApplicationFilter"
      minOccurs="0" maxOccurs="unbounded">
      <xsd:sequence>
        <xsd:element name="Filter">
          <xsd:simpleType>
            <xsd:restriction
              base="apis:Filter"
              minOccurs="0" maxOccurs="unbounded">
                <xsd:simpleType>
                  <xsd:restriction
                    base="apis:Filter"
                    minOccurs="0" maxOccurs="unbounded">
                      <xsd:simpleType>
                        <xsd:restriction
                          base="apis:Filter"
                          minOccurs="0" maxOccurs="unbounded">
                            <xsd:simpleType>
                              <xsd:restriction
                                base="apis:Filter"
                                minOccurs="0" maxOccurs="unbounded">
                                  <xsd:simpleType>
                                    <xsd:restriction
                                      base="apis:Filter"
                                      minOccurs="0" maxOccurs="unbounded">
                                        <xsd:simpleType>
                                          <xsd:restriction
                                            base="apis:Filter"
                                            minOccurs="0" maxOccurs="unbounded">
                                              <xsd:simpleType>
                                                <xsd:restriction
                                                  base="apis:Filter"
                                                  minOccurs="0" maxOccurs="unbounded">
                                                    <xsd:simpleType>
              </xsd:restriction>
            </xsd:restriction>
          </xsd:restriction>
        </xsd:restriction>
      </xsd:restriction>
    </xsd:restriction>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>

```

```

    base="xsd:string">
    <xsd:enumeration value="Status" />
    <!--see
GrantsGovApplicationStatusType for a list of valid status values-->
    <xsd:enumeration value="OpportunityID" />
    <xsd:enumeration value="CFDANumber" />
    <xsd:enumeration value="SubmissionTitle" />
    <xsd:enumeration value="GrantsGovTrackingNumber" />
  </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element
name="FilterValue"
  type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>
</xsd:element>
  </xsd:sequence>
</xsd:complexType>
  <xsd:unique name="filter">
    <xsd:selector
xpath="GetApplicationListRequest/ApplicationFilter" />
    <xsd:field xpath="Filter" />
  </xsd:unique>
</xsd:element>
  <xsd:element name="GetApplicationListResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element
name="AvailableApplicationNumber"
  type="xsd:int" />
        <xsd:element name="ApplicationInformation"
  type="apis:ApplicationInformationType"
minOccurs="0"
  maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:element name="GetApplicationStatusDetailRequest">

```

```

    <xsd:complexType>
      <xsd:sequence>
        <xsd:element
          ref="apis:Grants_govTrackingNumber" />
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:element name="GetApplicationStatusDetailResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element
            ref="apis:Grants_govTrackingNumber" />
          <!-- IMPORTANT: The DetailedStatus may
include XML in the case of a rejected application -->
          <xsd:element name="DetailedStatus"
            type="xsd:anyType" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>

    <!-- new service(s) :: BEGIN -->

    <xsd:element name="GetOpportunitiesWithInfoRequest">
      <xsd:complexType>
        <xsd:sequence>
          <!-- One of the elements are required -->
          <xsd:element ref="apis:OpportunityID"
minOccurs="0" />
          <xsd:element ref="apis:CFDANumber"
minOccurs="0" />
          <xsd:element ref="apis:CompetitionID"
minOccurs="0" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
    <xsd:element name="GetOpportunitiesWithInfoResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="OpportunityInfo"
            type="apis:OpportunityWithInfoType"
minOccurs="0"
            maxOccurs="unbounded" />
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
  
```

```
<xsd:complexType name="OpportunityWithInfoType">
  <xsd:sequence>
    <xsd:element ref="apis:OpportunityID" />
    <xsd:element ref="apis:OpportunityTitle" />
    <xsd:element ref="apis:OpeningDate" minOccurs="0" />
    <xsd:element ref="apis:ClosingDate" minOccurs="0" />
    <xsd:element ref="apis:CFDANumber" minOccurs="0" />
    <xsd:element ref="apis:CompetitionID" minOccurs="0" />
    <xsd:element name="SchemaURL" type="xsd:string" />
    <xsd:element name="InstructionURL" type="xsd:string" />

    <xsd:element ref="apis:CFDADescription" minOccurs="0" />

    <xsd:element ref="apis:OfferingAgency" minOccurs="0" />

    <xsd:element name="AgencyContact" type="xsd:string"
minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

```
<!-- new service(s) :: END -->
```

```
<xsd:complexType name="OpportunityInformationType">
  <xsd:sequence>
    <xsd:element ref="apis:OpportunityID" />
    <xsd:element ref="apis:OpportunityTitle" />
    <xsd:element ref="apis:OpeningDate" minOccurs="0" />
    <xsd:element ref="apis:ClosingDate" minOccurs="0" />
    <xsd:element ref="apis:CFDANumber" minOccurs="0" />
    <xsd:element ref="apis:CompetitionID" minOccurs="0" />
    <xsd:element name="SchemaURL" type="xsd:string" />
    <xsd:element name="InstructionURL" type="xsd:string" />
  </xsd:sequence>
</xsd:complexType>
```

```
<xsd:complexType name="ApplicationInformationType">
  <xsd:sequence>
    <xsd:element ref="apis:CFDANumber" minOccurs="0" />
    <xsd:element ref="apis:OpportunityID" minOccurs="0" />
    <xsd:element ref="apis:CompetitionID" minOccurs="0" />
    <xsd:element ref="apis:Grants_govTrackingNumber" />
    <xsd:element ref="apis:ReceivedDateTime"
minOccurs="0" />
    <xsd:element name="GrantsGovApplicationStatus"
type="apis:GrantsGovApplicationStatusType" />
  </xsd:sequence>
</xsd:complexType>
```

```
<xsd:element ref="apis:StatusDateTime"
  minOccurs="0" />
<xsd:element ref="apis:AgencyTrackingNumber"
  minOccurs="0" />
<xsd:element ref="apis:SubmissionTitle"
  minOccurs="0" />
</xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="GrantsGovApplicationStatusType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Receiving" />
    <xsd:enumeration value="Received" />
    <xsd:enumeration value="Processing" />
    <xsd:enumeration value="Validated" />
    <xsd:enumeration value="Rejected with Errors" />
    <xsd:enumeration value="Download Preparation" />
    <xsd:enumeration value="Received by Agency" />
    <xsd:enumeration
      value="Agency Tracking Number Assigned" />
  </xsd:restriction>
</xsd:simpleType>
</xsd:schema>
</wsdl:types>
<wsdl:message name="GetOpportunityListRequestMessage">
  <wsdl:part name="GetOpportunityListRequest"
    element="apis:GetOpportunityListRequest" />
</wsdl:message>
<wsdl:message name="GetOpportunityListResponseMessage">
  <wsdl:part name="GetOpportunityListResponse"
    element="apis:GetOpportunityListResponse" />
</wsdl:message>
<wsdl:message name="SubmitApplicationRequestMessage">
  <wsdl:part name="SubmitApplicationRequest"
    element="apis:SubmitApplicationRequest" />
</wsdl:message>
<wsdl:message name="SubmitApplicationResponseMessage">
  <wsdl:part name="SubmitApplicationResponse"
    element="apis:SubmitApplicationResponse" />
</wsdl:message>
<wsdl:message name="GetApplicationListRequestMessage">
  <wsdl:part name="GetApplicationListRequest"
    element="apis:GetApplicationListRequest" />
</wsdl:message>
<wsdl:message name="GetApplicationListResponseMessage">
  <wsdl:part name="GetApplicationListResponse"
    element="apis:GetApplicationListResponse" />
</wsdl:message>
```

```
</wsdl:message>
<wsdl:message name="GetApplicationStatusDetailRequestMessage">
  <wsdl:part name="GetApplicationStatusDetailRequest"
    element="apis:GetApplicationStatusDetailRequest" />
</wsdl:message>
<wsdl:message name="GetApplicationStatusDetailResponseMessage">
  <wsdl:part name="GetApplicationStatusDetailResponse"
    element="apis:GetApplicationStatusDetailResponse" />
</wsdl:message>

<wsdl:message name="ErrorMessage">
  <wsdl:part name="ErrorMessage" element="soap:fault" />
</wsdl:message>

<!-- new service(s) :: BEGIN -->

  <wsdl:message name="GetOpportunitiesWithInfoRequestMessage">
    <wsdl:part name="GetOpportunitiesWithInfoRequest"
      element="apis:GetOpportunitiesWithInfoRequest" />
  </wsdl:message>
  <wsdl:message name="GetOpportunitiesWithInfoResponseMessage">
    <wsdl:part name="GetOpportunitiesWithInfoResponse"
      element="apis:GetOpportunitiesWithInfoResponse" />
  </wsdl:message>

<!-- new service(s) :: END -->

  <wsdl:portType name="ApplicantIntegrationPortType">
    <wsdl:operation name="GetOpportunityList">
      <wsdl:input message="apis:GetOpportunityListRequestMessage" />
      <wsdl:output message="apis:GetOpportunityListResponseMessage" />
      <wsdl:fault name="GetOpportunityListErrorMessage"
message="apis:ErrorMessage" />
    </wsdl:operation>
    <wsdl:operation name="SubmitApplication">
      <wsdl:input message="apis:SubmitApplicationRequestMessage" />
      <wsdl:output message="apis:SubmitApplicationResponseMessage" />
      <wsdl:fault name="SubmitApplicationErrorMessage"
message="apis:ErrorMessage" />
    </wsdl:operation>
    <wsdl:operation name="GetApplicationList">
      <wsdl:input message="apis:GetApplicationListRequestMessage" />
      <wsdl:output message="apis:GetApplicationListResponseMessage" />
      <wsdl:fault name="GetApplicationListErrorMessage"
message="apis:ErrorMessage" />
    </wsdl:operation>
```

```
<wsdl:operation name="GetApplicationStatusDetail">
  <wsdl:input message="apis:GetApplicationStatusDetailRequestMessage"
/>
  <wsdl:output
message="apis:GetApplicationStatusDetailResponseMessage" />
  <wsdl:fault name="GetApplicationStatusDetailErrorMessage"
message="apis:ErrorMessage" />
</wsdl:operation>

<!-- new service(s) :: BEGIN -->

  <wsdl:operation name="GetOpportunitiesWithInfo">
    <wsdl:input message="apis:GetOpportunitiesWithInfoRequestMessage"
/>
    <wsdl:output
message="apis:GetOpportunitiesWithInfoResponseMessage" />
    <wsdl:fault name="GetOpportunitiesWithInfoErrorMessage"
message="apis:ErrorMessage" />
  </wsdl:operation>

<!-- new service(s) :: END -->

</wsdl:portType>

<wsdl:binding name="ApplicantIntegrationSoapBinding"
type="apis:ApplicantIntegrationPortType">
  <soap:binding style="document"
transport="http://schemas.xmlsoap.org/soap/http" />
  <wsdl:operation name="GetOpportunityList">
    <soap:operation
soapAction="http://localhost:8080/app-s2s-
server/services/ApplicantIntegrationSoapPort/GetOpportunityList"
style="document" />
    <wsdl:input>
      <soap:body use="literal" />
    </wsdl:input>
    <wsdl:output>
      <soap:body use="literal" />
    </wsdl:output>
    <wsdl:fault name="GetOpportunityListErrorMessage">
      <soap:fault name="GetOpportunityListErrorMessage"
use="literal" />
    </wsdl:fault>
  </wsdl:operation>

  <wsdl:operation name="SubmitApplication">
```

```
<soap:operation
  soapAction="http://localhost:8080/app-s2s-
server/services/ApplicantIntegrationSoapPort/SubmitApplication"
  style="document" />
<wsdl:input>
  <soap:body use="literal" />
  <mime:content part="Attachment" type="*/*" />
</wsdl:input>
<wsdl:output>
  <soap:body use="literal" />
</wsdl:output>
<wsdl:fault name="SubmitApplicationErrorMessage">
  <soap:fault name="SubmitApplicationErrorMessage"
    use="literal" />
</wsdl:fault>
</wsdl:operation>

<wsdl:operation name="GetApplicationList">
  <soap:operation
    soapAction="http://localhost:8080/app-s2s-
server/services/ApplicantIntegrationSoapPort/GetApplicationList"
    style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="GetApplicationListErrorMessage">
    <soap:fault name="GetApplicationListErrorMessage"
      use="literal" />
  </wsdl:fault>
</wsdl:operation>

<wsdl:operation name="GetApplicationStatusDetail">
  <soap:operation
    soapAction="http://localhost:8080/app-s2s-
server/services/ApplicantIntegrationSoapPort/GetApplicationStatusDetail"
    style="document" />
  <wsdl:input>
    <soap:body use="literal" />
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal" />
  </wsdl:output>
  <wsdl:fault name="GetApplicationStatusDetailErrorMessage">
```



```

        <soap:fault
            name="GetApplicationStatusDetailErrorMessage"
            use="literal" />
        </wsdl:fault>
    </wsdl:operation>

<!-- new service(s) :: BEGIN -->

    <wsdl:operation name="GetOpportunitiesWithInfo">
        <soap:operation
            soapAction="http://localhost:8080/app-s2s-
server/services/ApplicantIntegrationSoapPort/GetOpportunitiesWithInfo"
            style="document" />
        <wsdl:input>
            <soap:body use="literal" />
        </wsdl:input>
        <wsdl:output>
            <soap:body use="literal" />
        </wsdl:output>
        <wsdl:fault name="GetOpportunitiesWithInfoErrorMessage">
            <soap:fault name="GetOpportunitiesWithInfoErrorMessage"
                use="literal" />
        </wsdl:fault>
    </wsdl:operation>

<!-- new service(s) :: END -->

</wsdl:binding>

<wsdl:service name="ApplicantIntegrationServices">
    <wsdl:port name="ApplicantIntegrationSoapPort"
        binding="apis:ApplicantIntegrationSoapBinding">
        <soap:address
            location="http://localhost:8080/app-s2s-
server/services/ApplicantIntegrationSoapPort/" />
    </wsdl:port>
</wsdl:service>

</wsdl:definitions>

```

## Appendix E: Agency S2S WSDL

```

<?xml version="1.0" encoding="UTF-8"?>
<wsdl:definitions
    xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
    xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"

```

```

xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:header="http://apply.grants.gov/system/Header-V1.0"
xmlns:footer="http://apply.grants.gov/system/Footer-V1.0"
xmlns:glob="http://apply.grants.gov/system/Global-V1.0"
xmlns:agis="http://apply.grants.gov/WebServices/AgencyIntegrationServices-V1.0"
targetNamespace="http://apply.grants.gov/WebServices/AgencyIntegrationServices-
V1.0"
  name="AgencyIntegrationServices">

  <wsdl:types>
    <xsd:schema
targetNamespace="http://apply.grants.gov/WebServices/AgencyIntegrationServices-V1.0"
xmlns:agis="http://apply.grants.gov/WebServices/AgencyIntegrationServices-V1.0"
elementFormDefault="qualified" attributeFormDefault="qualified" version="1.2">
      <!--System Data Types-->
      <xsd:import namespace="http://apply.grants.gov/system/Footer-V1.0"
schemaLocation="http://apply.grants.gov/system/schemas/Footer-V1.0.xsd"/>
      <xsd:import namespace="http://apply.grants.gov/system/Header-V1.0"
schemaLocation="http://apply.grants.gov/system/schemas/Header-V1.0.xsd"/>
      <xsd:import namespace="http://apply.grants.gov/system/Global-V1.0"
schemaLocation="http://apply.grants.gov/system/schemas/Global-V1.0.xsd"/>

<!-- =====
-->
<!-- For those who rather bind to the GrantApplication element -->
<!-- uncomment the import for the MetaGrantApplication schema below -->
<!-- and add the its namespace to the wsdl:definitions root element -->
<!-- xmlns:grant="http://apply.grants.gov/system/MetaGrantApplication" -->
<!-- =====
-->
<!--
      <xsd:import
namespace="http://apply.grants.gov/system/MetaGrantApplication"
schemaLocation="http://apply.grants.gov/system/schemas/MetaGrantApplication.xsd"/>
-->

      <xsd:import namespace="http://schemas.xmlsoap.org/wsdl/"
schemaLocation="http://schemas.xmlsoap.org/wsdl/"/>
      <xsd:import namespace="http://schemas.xmlsoap.org/wsdl/soap/"
schemaLocation="http://schemas.xmlsoap.org/wsdl/soap/"/>
      <xsd:element name="GetApplicationListRequest">
        <xsd:complexType>
          <xsd:sequence>

```

```

    <xsd:element name="ApplicationFilter"
minOccurs="0" maxOccurs="unbounded">
    <!-- If there is no ApplicationFilter specified
in the GetApplicationRequest, the web services will response with the list of ALL applications
on Grants.gov. -->
    <xsd:complexType>
    <xsd:sequence>
    <xsd:element name="Filter">
    <xsd:simpleType>
    <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Status"/>
    <!--see
GrantsGovApplicationStatusType for a list of valid status values-->
    <xsd:enumeration value="OpportunityID"/>
    <xsd:enumeration value="CFDANumber"/>
    </xsd:restriction>
    </xsd:simpleType>
    </xsd:element>
    <xsd:element
name="FilterValue" type="xsd:string"/>
    </xsd:sequence>
    </xsd:complexType>
    </xsd:element>
    </xsd:sequence>
    </xsd:complexType>
    <xsd:unique name="filter">
    <xsd:selector xpath="GetApplicationListRequest/ApplicationFilter"/>
    <xsd:field xpath="Filter"/>
    </xsd:unique>
    </xsd:element>
    <xsd:element name="GetApplicationListResponse">
    <xsd:complexType>
    <xsd:sequence>
    <xsd:element name="AvailableApplicationNumber" type="xsd:int"/>
    <xsd:element name="ApplicationInformation"
type="agis:ApplicationInformationType" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
    </xsd:complexType>
    </xsd:element>
    <xsd:complexType name="ApplicationInformationType">
    <xsd:sequence>

```

```

    minOccurs="0"/>
    <xsd:element ref="header:OpportunityID"
    minOccurs="0"/>
    <xsd:element ref="header:CompetitionID"
    minOccurs="0"/>
    <xsd:element ref="header:CFDANumber"
    minOccurs="0"/>
    <xsd:element ref="footer:Grants_govTrackingNumber"/>
    <xsd:element ref="footer:ReceivedDateTime"
    minOccurs="0"/>
    <xsd:element name="Grants_GovApplicationStatus"
    type="agis:GrantsGovApplicationStatusType"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="GrantsGovApplicationStatusType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Receiving"/>
    <xsd:enumeration value="Received"/>
    <xsd:enumeration value="Processing"/>
    <xsd:enumeration value="Validated"/>
    <xsd:enumeration value="Rejected with Errors"/>
    <xsd:enumeration value="Received by Agency"/>
    <xsd:enumeration value="Agency Tracking Number Assigned"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="ConfirmApplicationDeliveryRequest">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="footer:Grants_govTrackingNumber"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:simpleType name="EncodingTypeEnum">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="MIME"/>
    <xsd:enumeration value="DIME"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:element name="GetApplicationRequest">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="encodingType" type="agis:EncodingTypeEnum"
    minOccurs="0" default="MIME"/>
      <xsd:element ref="footer:Grants_govTrackingNumber"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

    <xsd:element name="GetApplicationResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="SubmittedApplication" type="xsd:anyType"/>
<!-- ===== -->
<!-- For those who rather bind to the GrantApplication element -->
<!-- comment out the above definition for SubmittedApplication -->
<!-- and uncomment the alternate definition below.    -->
<!-- ===== -->
<!--
                                <xsd:element name="SubmittedApplication">
                                  <xsd:complexType>
                                    <xsd:sequence>
                                      <xsd:element
ref="grant:GrantApplication"/>
                                  </xsd:sequence>
                                </xsd:complexType>
                                </xsd:element>
-->

      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="GetApplicationZipRequest">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="encodingType" type="agis:EncodingTypeEnum"
minOccurs="0" default="MIME"/>
        <xsd:element ref="footer:Grants_govTrackingNumber"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="ConfirmApplicationDeliveryResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="footer:Grants_govTrackingNumber"/>
        <xsd:element ref="agis:ResponseMessage"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="ResponseMessage">
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Success"/>
        <xsd:enumeration value="Failure"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>

```

```
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="AssignAgencyTrackingNumberRequest">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="footer:Grants_govTrackingNumber"/>
          <xsd:element ref="agis:AgencyTrackingNumber"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="AssignAgencyTrackingNumberResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="footer:Grants_govTrackingNumber"/>
          <xsd:element ref="agis:ResponseMessage"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="AgencyTrackingNumber" type="xsd:string"/>
    <xsd:element name="GetApplicationZipResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="agis:Manifest"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
    <xsd:complexType name="item">
      <xsd:sequence>
        <xsd:element name="Purpose" type="glob:StringMin1Max255Type"/>
        <xsd:element name="FileName" type="glob:StringMin1Max255Type"/>
        <xsd:element name="MimeType" type="glob:StringMin1Max30Type"/>
        <xsd:element name="FileLocation">
          <xsd:complexType>
            <xsd:attribute name="href" type="xsd:anyURI"/>
          </xsd:complexType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
    <xsd:element name="Manifest">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="itemType" type="agis:item" minOccurs="1"
maxOccurs="unbounded"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
```

```
</xsd:element>

<!-- new services: begin -->

  <!-- Adobe -->
    <xsd:element name="DeleteAdobeOpportunityRequest">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="agis:OpportunityNumber"/>
          <!--
            NOTE: See descript of 'UserID' below ...
          -->
          <xsd:element ref="agis:UserID"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:element name="DeleteAdobeOpportunityResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="agis:OpportunityNumber"/>
          <xsd:element ref="agis:ResponseMessage"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:element name="DeleteAdobeSynopsisRequest">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="agis:OpportunityNumber"/>
          <!--
            NOTE: See descript of 'UserID' below
          -->
          <xsd:element ref="agis:UserID"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>

    <xsd:element name="DeleteAdobeSynopsisResponse">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element ref="agis:OpportunityNumber"/>
          <xsd:element ref="agis:ResponseMessage"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
```

```
<xsd:element name="SaveAdobeOpportunityRequest">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="agis:OpportunityXML"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="SaveAdobeOpportunityResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="agis:OpportunityNumber"/>
      <xsd:element ref="agis:ResponseMessage"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<!--
  UserID (Agency ID) under which the opportunity was created.
  Usually this is the server certificate serial number for most
  agencies...however, there are cases where a sub-agency is using
  their parent agency's server cert to connect with Grants.gov
  yet, they have created the opportunity under their own user ID.
  This UserID MUST be the SAME AS or a VALID SUB-
  AGENCY of the
  server certificate serial number being used to connect to
  Grants.gov web services.
-->
<xsd:element name="UserID" type="xsd:string"/>
<xsd:element name="OpportunityNumber" type="xsd:string"/>
<xsd:element name="OpportunityXML" type="xsd:string"/>
<!-- new services: end -->

</xsd:schema>
</wsdl:types>

<wsdl:message name="GetApplicationListRequestMessage">
  <wsdl:part name="GetApplicationListRequest"
element="agis:GetApplicationListRequest"/>
</wsdl:message>
<wsdl:message name="GetApplicationListResponseMessage">
  <wsdl:part name="GetApplicationListRequestResponse"
element="agis:GetApplicationListResponse"/>
</wsdl:message>
```



```
<wsdl:message name="GetApplicationRequestMessage">
  <wsdl:part name="GetApplicationRequest"
element="agis:GetApplicationRequest"/>
</wsdl:message>
<wsdl:message name="GetApplicationResponseMessage">
  <wsdl:part name="GetApplicationResponse"
element="agis:GetApplicationResponse"/>
</wsdl:message>

<wsdl:message name="GetApplicationZipRequestMessage">
  <wsdl:part name="GetApplicationZipRequest"
element="agis:GetApplicationZipRequest"/>
</wsdl:message>
<wsdl:message name="GetApplicationZipResponseMessage">
  <wsdl:part name="GetApplicationZipResponse"
element="agis:GetApplicationZipResponse"/>
</wsdl:message>

<wsdl:message name="ConfirmApplicationDeliveryRequestMessage">
  <wsdl:part name="ConfirmApplicationDeliveryRequest"
element="agis:ConfirmApplicationDeliveryRequest"/>
</wsdl:message>
<wsdl:message name="ConfirmApplicationDeliveryResponseMessage">
  <wsdl:part name="ConfirmApplicationDeliveryResponse"
element="agis:ConfirmApplicationDeliveryResponse"/>
</wsdl:message>

<wsdl:message name="AssignAgencyTrackingNumberRequestMessage">
  <wsdl:part name="AssignAgencyTrackingNumberRequest"
element="agis:AssignAgencyTrackingNumberRequest"/>
</wsdl:message>
<wsdl:message name="AssignAgencyTrackingNumberResponseMessage">
  <wsdl:part name="AssignAgencyTrackingNumberResponse"
element="agis:AssignAgencyTrackingNumberResponse"/>
</wsdl:message>

<!-- new services: begin -->

<!-- Adobe -->
  <wsdl:message name="DeleteAdobeOpportunityRequestMessage">
    <wsdl:part name="DeleteAdobeOpportunityRequest"
element="agis>DeleteAdobeOpportunityRequest"/>
  </wsdl:message>
  <wsdl:message name="DeleteAdobeOpportunityResponseMessage">
```

```
<wsdl:part name="DeleteAdobeOpportunityResponse"
element="agis:DeleteAdobeOpportunityResponse"/>
</wsdl:message>

<wsdl:message name="DeleteAdobeSynopsisRequestMessage">
  <wsdl:part name="DeleteAdobeSynopsisRequest"
element="agis:DeleteAdobeSynopsisRequest"/>
</wsdl:message>
<wsdl:message name="DeleteAdobeSynopsisResponseMessage">
  <wsdl:part name="DeleteAdobeSynopsisResponse"
element="agis:DeleteAdobeSynopsisResponse"/>
</wsdl:message>

<wsdl:message name="SaveAdobeOpportunityRequestMessage">
  <wsdl:part name="SaveAdobeOpportunityRequest"
element="agis:SaveAdobeOpportunityRequest"/>
</wsdl:message>
<wsdl:message name="SaveAdobeOpportunityResponseMessage">
  <wsdl:part name="SaveAdobeOpportunityResponse"
element="agis:SaveAdobeOpportunityResponse"/>
</wsdl:message>

<!-- new services: end -->

<wsdl:portType name="AgencyIntegrationPortType">
  <wsdl:operation name="GetApplicationList">
    <wsdl:input message="agis:GetApplicationListRequestMessage"/>
    <wsdl:output message="agis:GetApplicationListResponseMessage"/>
  </wsdl:operation>

  <wsdl:operation name="GetApplication">
    <wsdl:input message="agis:GetApplicationRequestMessage"/>
    <wsdl:output message="agis:GetApplicationResponseMessage"/>
  </wsdl:operation>

  <wsdl:operation name="GetApplicationZip">
    <wsdl:input message="agis:GetApplicationZipRequestMessage"/>
    <wsdl:output message="agis:GetApplicationZipResponseMessage"/>
  </wsdl:operation>

  <wsdl:operation name="ConfirmApplicationDelivery">
    <wsdl:input
message="agis:ConfirmApplicationDeliveryRequestMessage"/>
    <wsdl:output
message="agis:ConfirmApplicationDeliveryResponseMessage"/>
  </wsdl:operation>
</wsdl:portType>
```

```
</wsdl:operation>

  <wsdl:operation name="AssignAgencyTrackingNumber">
    <wsdl:input
message="agis:AssignAgencyTrackingNumberRequestMessage"/>
    <wsdl:output
message="agis:AssignAgencyTrackingNumberResponseMessage"/>
  </wsdl:operation>

<!-- new services: begin -->

  <!-- Adobe -->
    <wsdl:operation name="DeleteAdobeOpportunity">
      <wsdl:input message="agis:DeleteAdobeOpportunityRequestMessage" />
      <wsdl:output message="agis:DeleteAdobeOpportunityResponseMessage"
/>
    </wsdl:operation>

    <wsdl:operation name="DeleteAdobeSynopsis">
      <wsdl:input message="agis:DeleteAdobeSynopsisRequestMessage" />
      <wsdl:output message="agis:DeleteAdobeSynopsisResponseMessage" />
    </wsdl:operation>

    <wsdl:operation name="SaveAdobeOpportunity">
      <wsdl:input message="agis:SaveAdobeOpportunityRequestMessage" />
      <wsdl:output message="agis:SaveAdobeOpportunityResponseMessage"
/>
    </wsdl:operation>

  <!-- new services: end -->

</wsdl:portType>

  <wsdl:binding name="AgencyIntegrationSoapBinding"
type="agis:AgencyIntegrationPortType">
    <soap:binding style="document"
transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="GetApplicationList">
      <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/GetApplicationList" style="document"/>
      <wsdl:input>
        <soap:body use="literal"/>
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal"/>
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
</wsdl:binding>
```

```
</wsdl:operation>

<wsdl:operation name="GetApplication">
  <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/GetApplication" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>

<wsdl:operation name="GetApplicationZip">
  <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/GetApplicationZip" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>

<wsdl:operation name="ConfirmApplicationDelivery">
  <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/ConfirmApplicationDelivery" style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>

<wsdl:operation name="AssignAgencyTrackingNumber">
  <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/AssignAgencyTrackingNumber"
style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
```

```
<!-- new services: begin -->

    <!-- Adobe -->
        <wsdl:operation name="DeleteAdobeOpportunity">
            <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/DeleteAdobeOpportunity" style="document"/>
            <wsdl:input>
                <soap:body use="literal"/>
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal"/>
            </wsdl:output>
        </wsdl:operation>

        <wsdl:operation name="DeleteAdobeSynopsis">
            <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/DeleteAdobeSynopsis" style="document"/>
            <wsdl:input>
                <soap:body use="literal"/>
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal"/>
            </wsdl:output>
        </wsdl:operation>

        <wsdl:operation name="SaveAdobeOpportunity">
            <soap:operation soapAction="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort/SaveAdobeOpportunity" style="document"/>
            <wsdl:input>
                <soap:body use="literal"/>
            </wsdl:input>
            <wsdl:output>
                <soap:body use="literal"/>
            </wsdl:output>
        </wsdl:operation>

<!-- new services: end -->

    </wsdl:binding>
    <wsdl:service name="AgencyIntegrationServices">
        <wsdl:port name="AgencyIntegrationSoapPort"
binding="agis:AgencyIntegrationSoapBinding">
            <soap:address location="https://ws.grants.gov:446/agency-s2s-
server/services/AgencyIntegrationSoapPort"/>
        </wsdl:port>
    </wsdl:service>
</wsdl:binding>
```

```
</wsdl:port>  
</wsdl:service>  
  
</wsdl:definitions>
```

END OF DOCUMENT