“Transparency, Accountability, and Oversight”

Recovery Act Architecture Package v0.032

Office of E-Government and IT

Office of Management and Budget

E·GOV

Powered by the Federal Enterprise Architecture

February 17, 2009

Revision History

Version	Date	Change Description
0.01	2/15/09	Initial draft content
0.02	2/15/09	Solution architecture draft visual added
0.021	2/16/09	General updates from feedback/reviews
0.022	2/16/09	Added solution architecture content
0.023	2/17/09	General updates from feedback/reviews
0.03	2/17/09	All comments incorporated, ready for aesthetic review
0.031	2/17/09	Minor adjustments
0.032	2/17/09	Minor adjustments

Table of Contents

Table of Figures

Table of Tables

I. Requirements Package Purpose, Approach, and Structure

The Recovery Act Architecture Package is intended to provide stakeholders (Federal agencies, states, localities, tribes, good government groups, and others) with a shared understanding of the performance objectives, business processes, data, services, and technical standards involved in implementing the national scope Recovery.gov solution in fulfillment of the American Recovery and Reinvestment Act of 2009 (Recovery Act). This document includes details on the data sources for Recovery.gov, the major actors or organizations supplying the source data, the major flows out of Recovery.gov, and how end users may use the information. Based on feedback from stakeholders, the project team will iterate and enhance the document. Areas of focus for the next iteration include developing initial performance architecture; validating and enhancing business process descriptions; enhancing data semantics and models; and detailing the conceptual solution releases. Reviewers are encouraged to comment in these areas.

The Recovery Act Architecture Package was assembled using the Federal Segment Architecture Methodology (FSAM). The FSAM is a step-by-step process for developing and using segment architectures developed by distilling proven best practices from across Federal agencies. The FSAM is a fully integrated piece of the Federal Enterprise Architecture suite of tools and guidance – more information is available at http://www.fsam.gov. OMB views the architecture for Recovery.gov as the beginnings of general, shared transparency enterprise service segment architecture. More information on the Federal Enterprise Architecture and segment architecture can be found at http://www.egov.gov.

The Recovery.gov project team's use of the FSAM enabled quick development of the initial segment architecture products within this document. This document features visualizations of requirements are designed to be used by business managers, project team members, solution architects, developers, and requirements analysts. OMB views this document as an ongoing, iterative requirements and solution package that will be refined and improved through iterate review and comment by all stakeholders.

The Recovery Act Architecture Package features the following sections:

Table 1: Recovery Act Architecture Package Sections

Document Section	Description
I. Requirements Package Purpose, Approach, and Structure	This section describes the purpose of the document how it is structured, and how the document was created.
II. The Recovery.gov Concept and Scope	This section describes the legislation and founding of Recovery.gov as a concept and the general scope for the Recovery.gov.
III. Information Flows to Recovery.gov	This section describes the major flows of information from key actors and organizations into the Recovery.gov solution.

Document Section	Description
IV. Uses of Recovery.gov	This section describes how Recovery.gov might be used by the public as well as other major actors and organizations. This section also describes some of the major outflows of information from Recovery.gov.
V. Major Use Cases to Support the Information Flows	This section details the high level value chain and uses cases associated with the Recovery.gov.
VI. Recovery.gov Conceptual Solution Architecture	This section provides some solution specific details including technologies that could be employed, how the source systems interact, and how information will be disseminated.
VII. Recovery.gov Data Specifications	This section details the known data specifications for the data to be presented to the public in association with the Recovery.gov.

II. The Recovery.gov Concept and Scope

There is nation-wide interest in the Recovery Act and specifically interest in how funds are being used, opportunities for contracts and assistance, and details on results of the Recovery Act related efforts. The Recovery Act has specified that the Recovery Act Accountability and Transparency Board establish a website called Recovery.gov. Although this will be a significant website for the public, good government groups, companies, and others to access information, there will be many additional and significant sites and pages developed by Federal agencies, states, counties, and local governments. The following visual is a conceptual depiction of the many information sources that the public can access for information on the Recovery Act.

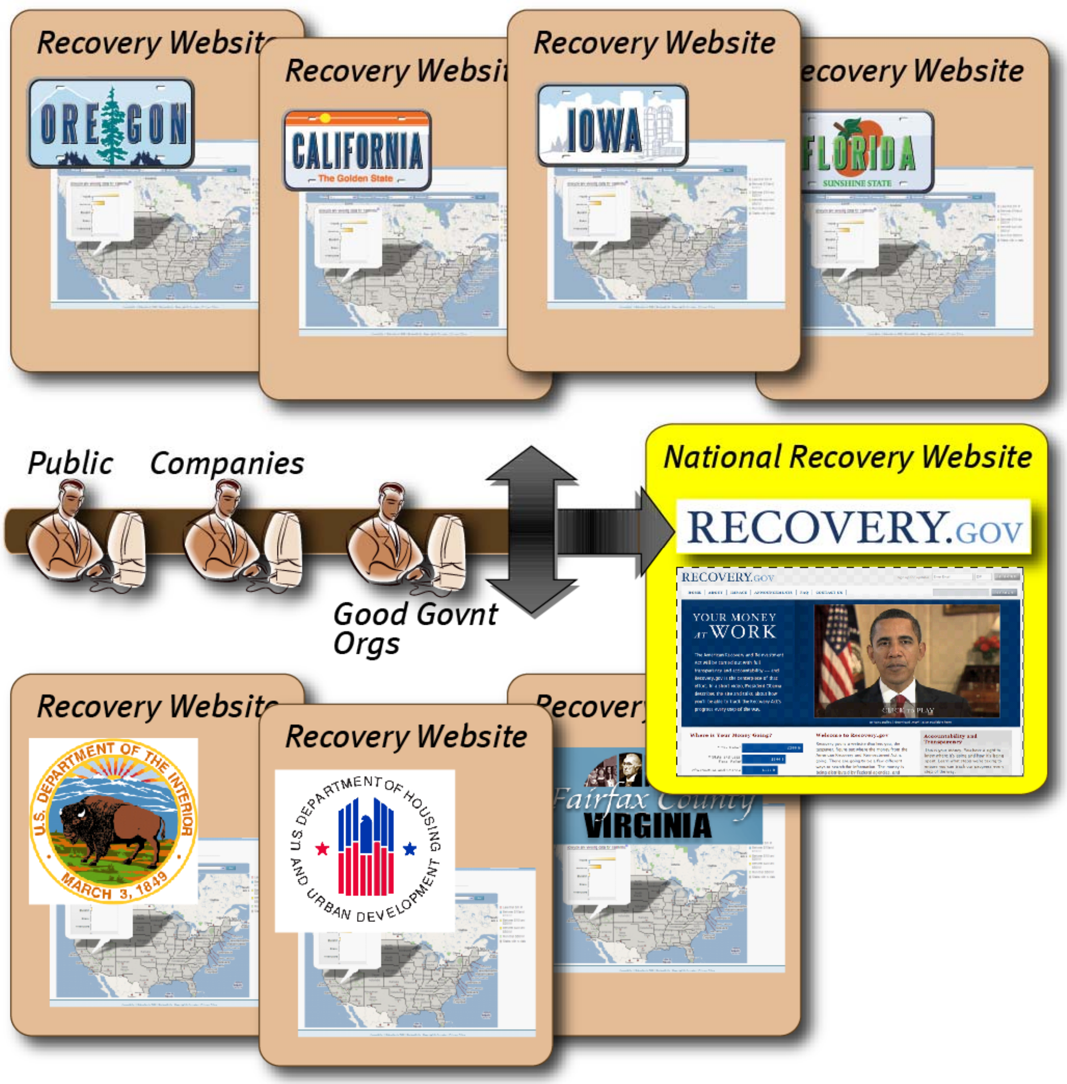

Figure 1: Concept Visual Showing State, Local, and Federal Recovery Sites

The Recover.gov project approach takes an enterprise view at the Federal level specifically looking across all agency based and E-Gov assets (i.e., cross Government initiatives, standards, policy, and architectures) to emphasize a shared detailed understanding of required business processes and data. This is a best practice that should also be done at the state, local, and tribal levels in order to ensure that efforts are not unintentionally fragmented by dealing with Federal agencies on a one-on-one basis.

Furthermore, the Recovery.gov solution philosophy is to emphasize transparency as close to the "gold source" of the data as possible. This design philosophy will more closely connect state, local, and tribal sites to the national Recovery.gov solution through published feeds for instance. This is a principle that all actors in Recovery.gov should adopt. Transparency at the source will aid in measuring and improving data and information quality. Again, it requires an enterprise level focus by governmental actors and larger private entities to insure proper adoption and implementation of cross cutting standards, frameworks, and where appropriate shared technology.

This document is specifically focused on the Recovery.gov website, its requirements, and the information flows from the many stakeholders, websites, and other sources of data into the Recovery.gov solution. The Recovery.gov website is intended aid agencies and other public sector players in managing Recovery Act awardees to help ensure targeted outcomes; and to empower citizens to hold the government accountable for every dollar spent. The Recovery Act and associated OMB guidance requires Federal agencies to ensure the right mechanisms are in place to accurately track, monitor, and report on taxpayer funds. Through the Recovery.gov solution, crucial accountability objectives will be met:

- Funds are awarded and distributed in a prompt, fair, and reasonable manner;
- The recipients and uses of all funds are transparent to the public, and the public benefit of these funds are reported clearly, accurately, and in a timely manner;
- Funds are used for authorized purposes and instances of fraud, waste, error, and abuse are mitigated;
- Projects funded under this Act avoid unnecessary delays and cost overruns; and
- Program goals are achieved, including specific program outcomes and improved results on broader economic indicators.

A major goal for Recovery.gov is to strengthen the ability of governmental actors and non-governmental actors, such as good government groups and citizens, in improving the performance of government activities through collaboration and participation. The Recovery.gov project team is particularly open to ideas as to how to strengthen support for this goal and ultimately the President's commitment to open government.

Recovery.gov is one piece of the President's commitment to open government and transparency to the citizens. In the President's memorandum titled "Transparency and Open Government", he stated:

> ***"Government should be transparent.** Transparency promotes accountability and provides information for citizens about what their Government is doing. Information maintained by the Federal Government is a national asset. My*

> ***Administration will take appropriate action, consistent with law and policy, to disclose information rapidly in forms that the public can readily find and use. Executive departments and agencies should harness new technologies to put information about their operations and decisions online and readily available to the public. Executive departments and agencies should also solicit public feedback to identify information of greatest use to the public."***

The Recovery.gov solution will feature several releases, the first of which will be timed to the signing of the Recovery Act legislation. This document focuses on subsequent releases which will include more content to support the President's vision for transparent and open government.

Specifically, the Recovery Act states that Recovery.gov should be "*a portal or gateway to key information related to this Act and provide a window to other Government websites with related information*." The Recovery.gov solution will feature:

- Findings from audits, inspectors general, and the Government Accountability Office
- Data on relevant economic, financial, grant, and contract information in user-friendly visual presentations to enhance public awareness
- Detailed data on contracts and financial assistance awarded by the Government for purposes of carrying out the Recovery Act
- Information about the competitiveness of the contracting process
- Notification of solicitations for contracts to be awarded
- Information about the process that was used for the award of contracts
- Provide a means for the public to give feedback on the performance of contracts awarded for purposes of carrying out the Recovery Act
- Quarterly reports from prime recipients of funding on their use of funds and performance of investments
- Data on obligations and expenditures

III. Information Flows to Recovery.gov

The Recovery.gov solution will receive information from several key “actors” as defined in the Recovery Act legislation. Specifically, the Recovery Act identifies the following key actors as information providers to Recovery.gov:

Table 2: Major Actors Identified in the Recovery Act Legislation

Major Actors Identified in the Recovery Act Legislation
Government Accountability Office
Council of Economic Advisers
Recovery Act Accountability and Transparency Board
Public
Inspector Generals
Federal Agencies
Prime Award Recipients (state/local/tribes/private)

The visual on the next page identifies each of the major actors and the information they will provide the Recovery Accountability and Transparency Board for use in the Recovery.gov solution or for general reconciliation, transparency and transparency and reporting on funds associated with the Recovery Act legislation. Note that on the information lines there is a designation as to the source of the information flow requirement. In many instances the information flow requirement is in the Recovery Act and backed up in the associated guidance. In some cases information flows are not identified in the OMB Guidance however the source of the requirement in the legislation is noted.

Key Actors and the Information Flows **to** Recovery.gov

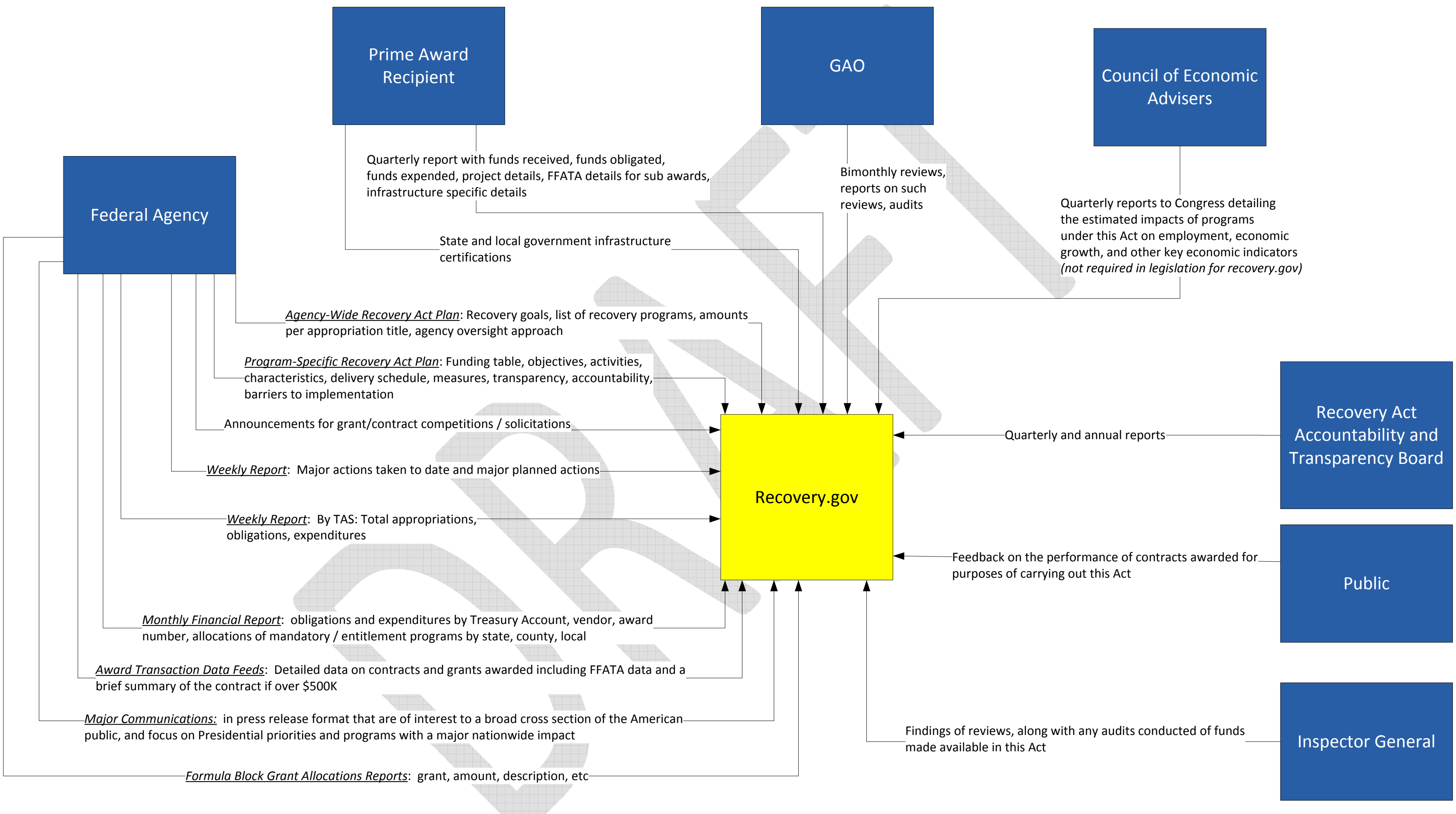

Figure 2: Key Actors and the Information Flows to Recovery.gov

IV. Uses of Recovery.gov

The Recovery.gov solution will provide a vast array of information to several key "actors". The Recovery Act legislation largely focuses on the outflow from Recovery.gov to the public however there are additional flows of information from Recovery.gov and the reconciliation and reporting solution to Federal oversight and management teams. Specifically, it is envisioned that the following actors will receive flows of information from Recovery.gov and the reconciliation and reporting solution:

Table 3: Major Actors Identified in the Recovery Act Legislation

Major Actors Identified in the Recovery Act Legislation
Government Accountability Office
Council of Economic Advisers
Recovery Act Accountability and Transparency Board
Public
Inspector Generals
Federal Agencies

The visual on the next page identifies each of the major actors and the information they will receive either through the Recovery.gov solution or through the reporting and reconciliation solution. Note that the major focus of the Recovery Act is on the Recovery.gov website. It is also envisioned that the target solution will include a reconciliation and reporting solution to capture the full lifecycle of financial data and to provide reconciliation and specialized transparency and reporting services outside of the Recovery.gov requirements. This reconciliation and reporting solution will feature a data warehouse style environment with business analytics and intelligence capabilities to discover anomalies and report on the reconciliation of funds.

Key Actors and the Information Flows **from** Recovery.gov and the Reconciliation and Reporting Solution

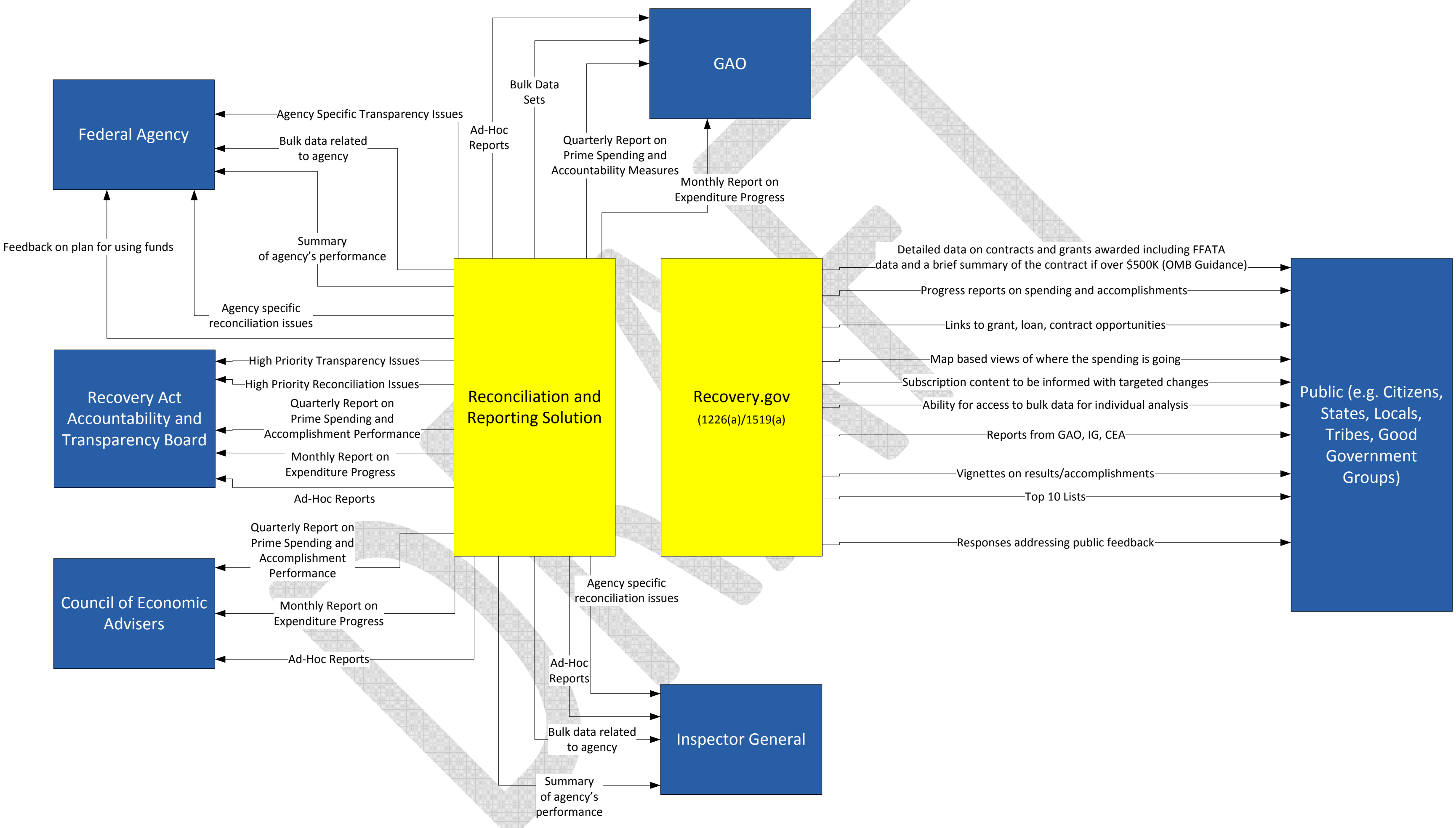

Figure 3: Key Actors and the Information Flows from Recovery.gov and the Reconciliation and Reporting Solution

V. Major Use Cases to Support the Information Flows

The information flows depicted in the previous two sections capture the major actors and the information flows that will be required for the Recovery.gov and the reconciliation and reporting solutions. These information flows will be performed procedurally through the top level value chain visual illustrated below. Note that this section introduces the value chain and provides a process flow depiction for each of the six items within the value chain.

The value chain depiction is an important representation of the high level functions being performed to accomplish the delivery of Recovery.gov and the reporting and reconciliation solution. The major items in the value chain are depicted in the following visual and are summarized in the corresponding table.

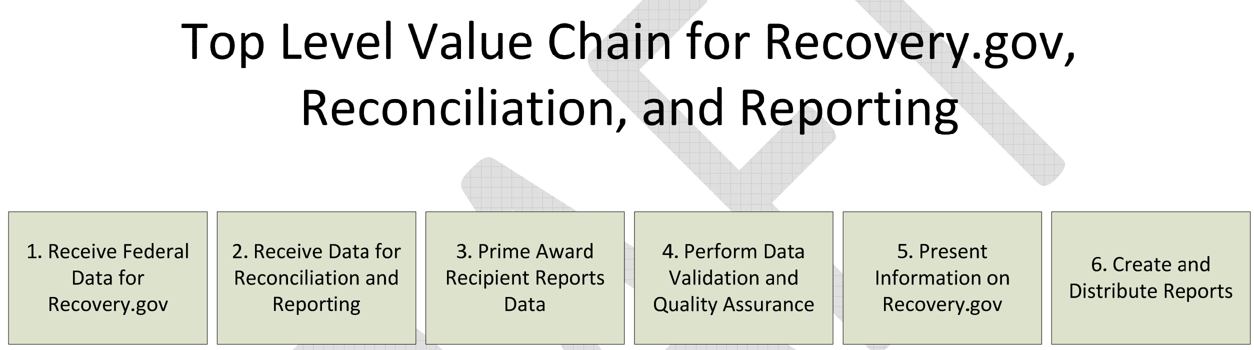

Figure 4: Top Level Value Chain for Recovery.gov, Reconciliation, and Reporting

Table 4: Value Chain Functions and Descriptions

Value Chain Functions	Description
1. Receive Federal Data for Recovery.gov	Data is received to populate the Recovery.gov website. This data includes real time, weekly, and monthly reports on obligations, expenditures, awards, federal solicitations, agency-wide recovery plans, program-specific recovery plans, and significant actions taken to comply with the Recovery Act. The presentation of the information on Recovery.gov is included in the 5th function in the value chain.
2. Receive Data for Reconciliation and Reporting	Data is received to enable back end reconciliation and custom reporting that is covered in the 6th function in the value chain. The reporting and reconciliation data includes detailed transaction and financial system data to account for all of the flow of

Value Chain Functions	Description
	funds between appropriation and the entry of the funds into the economy.
3. Prime Award Recipient Reports Data	Prime award recipients are required to submit quarterly reports to the Federal government to detail how money has been used and the impacts of the stimulus.
4. Perform Data Validation and Quality Assurance	Data that has been provided is accessed and quality assurance processes are performed to determine where quality issues exist and to route issues to the relevant agencies or prime award recipients.
5. Present Information on Recovery.gov	The presentation of information onto the Recovery.gov website including the public commenting and feedback.
6. Create and Distribute Reports	The integration and transformation of source data to generate the customized reports needed for the use of recovery data in oversight and management roles across the Federal government.

The remainder of this section features a process style visual associated with each of the major functions in the value chain. Each process visual features a description, the process flow, and a comment on the likely solution as it relates to the process visual.

1. Receive Federal Data for Recovery.gov

Federal data is received to populate the Recovery.gov website. This data includes real time, weekly, and monthly reports on data including federal solicitations and awards, obligations, expenditures, agency-wide recovery plans, program-specific recovery plans, and significant actions taken to comply with the Recovery Act. The presentation of the information on Recovery.gov is included in the 5th function in the value chain.

The process visual depicts the flow of the Federal information for the purpose of presenting via the Recovery.gov solution. Federal agencies that are associated with the recovery funds have an immediate requirement to provide information associated with formula block grant allocations and any major recovery related communications. Per the OMB guidance, starting in March agencies will also be required to provide weekly update reports. The monthly flow of information begins at a later date.

In addition to the initial flows, agencies are required to submit agency-wide recovery plans and program-specific recovery plans. These plans will provide valuable details on how funds will be used, managed, and the oversight that agencies will put in place to ensure that objectives are achieved.

Per the Recovery Act, the Recovery.gov website will also feature information on Federal solicitations and awards. Federal solicitations will include data on contracts and financial assistance opportunities that can be accessed by the public. Federal awards will include details on the specific uses of funds to include contracts and financial assistance awards. It is intended that information will be fed from existing source systems and not stored again in a Recovery.gov solution. Note that infrastructure related investments at the state and local level are also required to include a certification from the head of the investing organization (state/local) as to the merits of the infrastructure investment and the intended benefits as they relate to the objectives of the recovery.

***Solution**: The anticipated solution for the flow of Federal data includes several approaches depending on the information feed. For each of the near term reporting requirements (major communications, formula block grant allocations, weekly reports) agencies are required to provide a feed (preferred: Atom 1.0, acceptable: RSS) of the information so that content can be delivered via subscription. Note that the required information can be supplied in the feed or the feed can point to a file at the agency using the convention noted below. If an agency is immediately unable to publish feeds, the agency should post each near term information flow (major communications, formula block grant allocations, weekly reports) to a URL directory convention suggested as: www.agency.gov/recovery/year/month/date/reporttype. It is expected that the information files will be posted at the following URLs:*

- *Major Communications: **www.HUD.gov/recovery/2009/02/16/comms***
- *Formula Block Grant Allocation: **www.HUD.gov/recovery/2009/02/16/fbga***
- *Weekly Report: **www.HUD.gov/recovery/2009/03/01/weekly***

In addition to posting the files either via feed or the URL structure, agencies are also required to email the files to the following email address: recoveryupdates@gsa.gov. Emails should have a subject in the following format: Official Agency Abbreviation, Report Type. For example:

- *HUD, Major Communications*
- *HUD, Formula Block Grant Allocation*
- *HUD, Weekly Report*

The transmission of Monthly Reports is currently being determined. The solicitation information will be accessed from the FBO.gov website. Award data will be accessed by Recovery.gov from the USAspending.gov solution.

1. Receive Federal Data for Recovery.gov

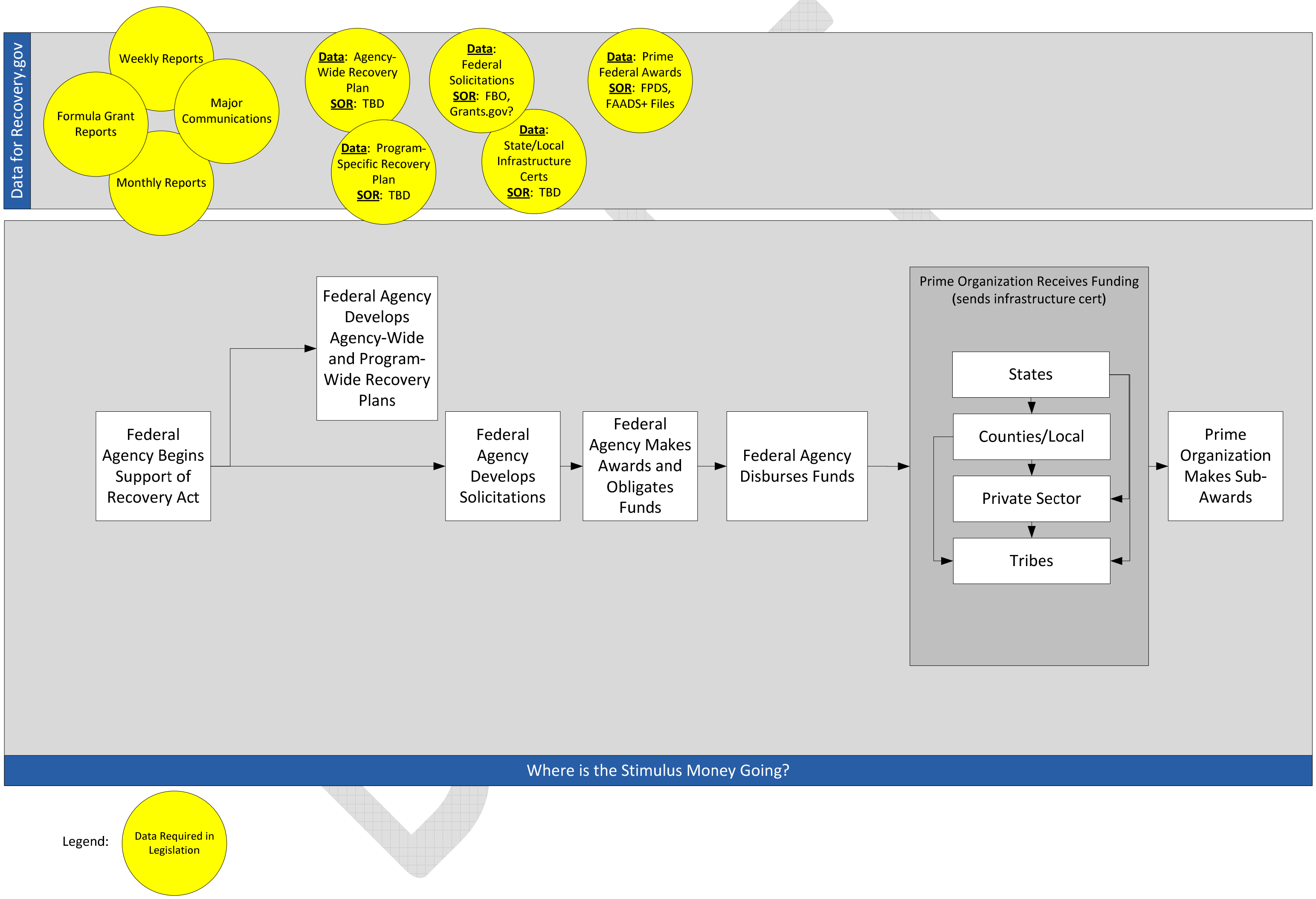

Figure 5: Process Visual - 1. Receive Federal Data for Recovery.gov

2. Receive Data for Reconciliation and Reporting

Data is received to enable back end reconciliation and custom reporting that is covered in the 6th function in the value chain. The reporting and reconciliation data includes detailed transaction and financial system data to account for all of the flow of funds between appropriation and the entry of the funds into the economy.

Apportionment data is the first data point to collect the amount of funds that will be available as part of the Recovery Act efforts. Apportionment data will be reconciled against agency obligation and expenditure data.

> ***Solution*: The anticipated reconciliation and reporting solution will include data warehouse capabilities that are fed by an extract, transform, and load (ETL) solution. The ETL will feed the bulk data into a data warehouse solution that will be designed for efficient management reporting and ad-hoc query and reconciliation capability.**

2. Receive Data for Reconciliation and Reporting

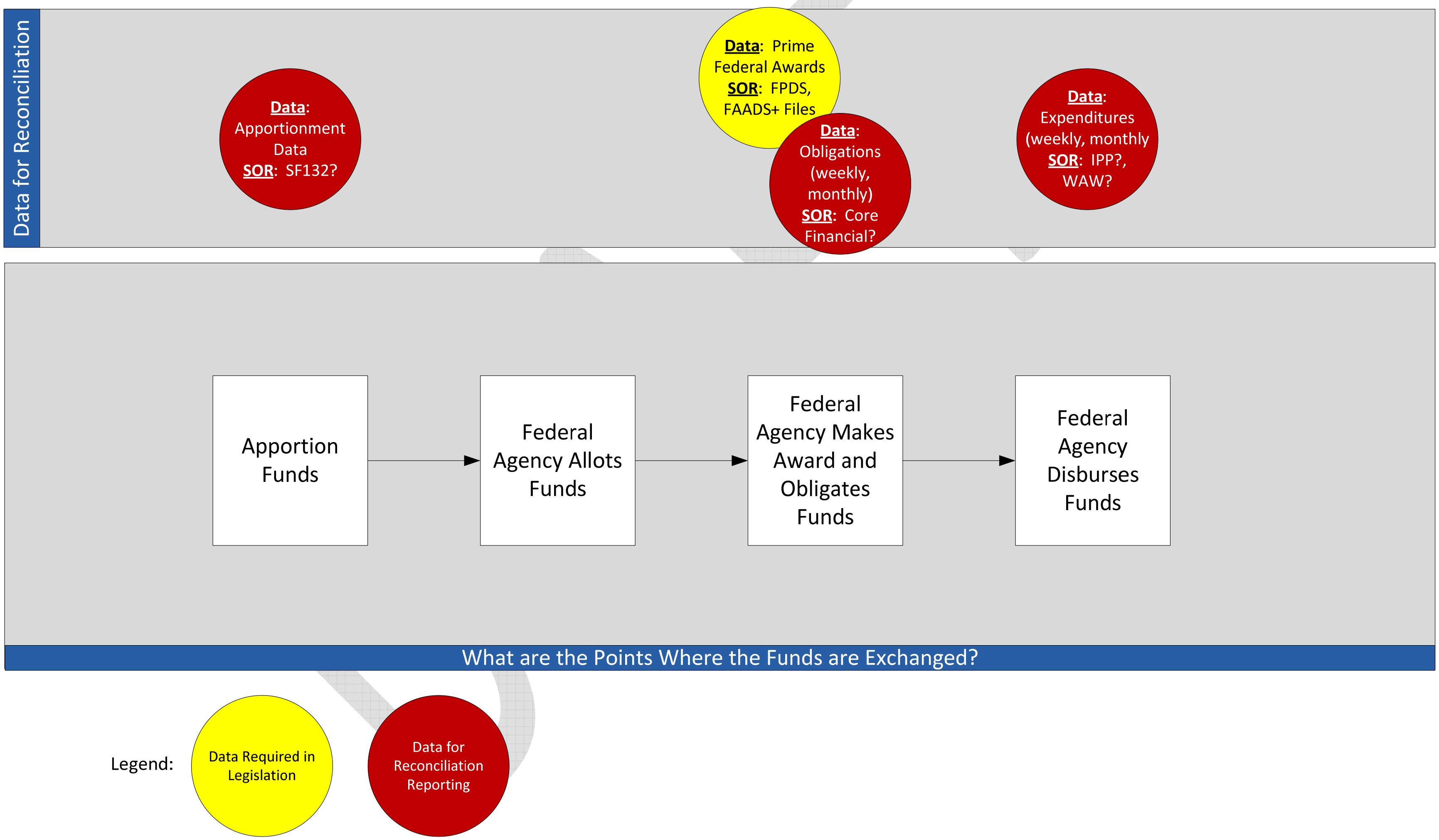

Figure 6: Process Visual - 2. Receive Data for Reconciliation and Reporting

3. Prime Award Recipient Reports to Federal Government

Prime award recipients are required to submit quarterly reports to detail how money has been used and the impacts of the stimulus. The process flow depicts how prime award recipients might gather and develop and transmit their quarterly reports. Note that prime award recipients will be required to transmit quarterly information about the progress of their investments, sub-award transactions, and details on use of the funds. The prime award recipients will need to designate their investments and use of funds by agency so that agency level transparency and reporting can be accomplished.

***Solution**: The anticipated solution for prime award reporting is a standard approach where the prime award recipient can perform all required transparency and reporting in one standard format with one set of required data elements and feed the information for compliance with the Recovery Act. It is anticipated that prime award recipients will provide information in a standard format that can feed directly into Recovery.gov and the associated reconciliation and reporting capabilities. Agency notification of this information will also occur through this standard approach.*

3. Prime Award Recipient Reports Data

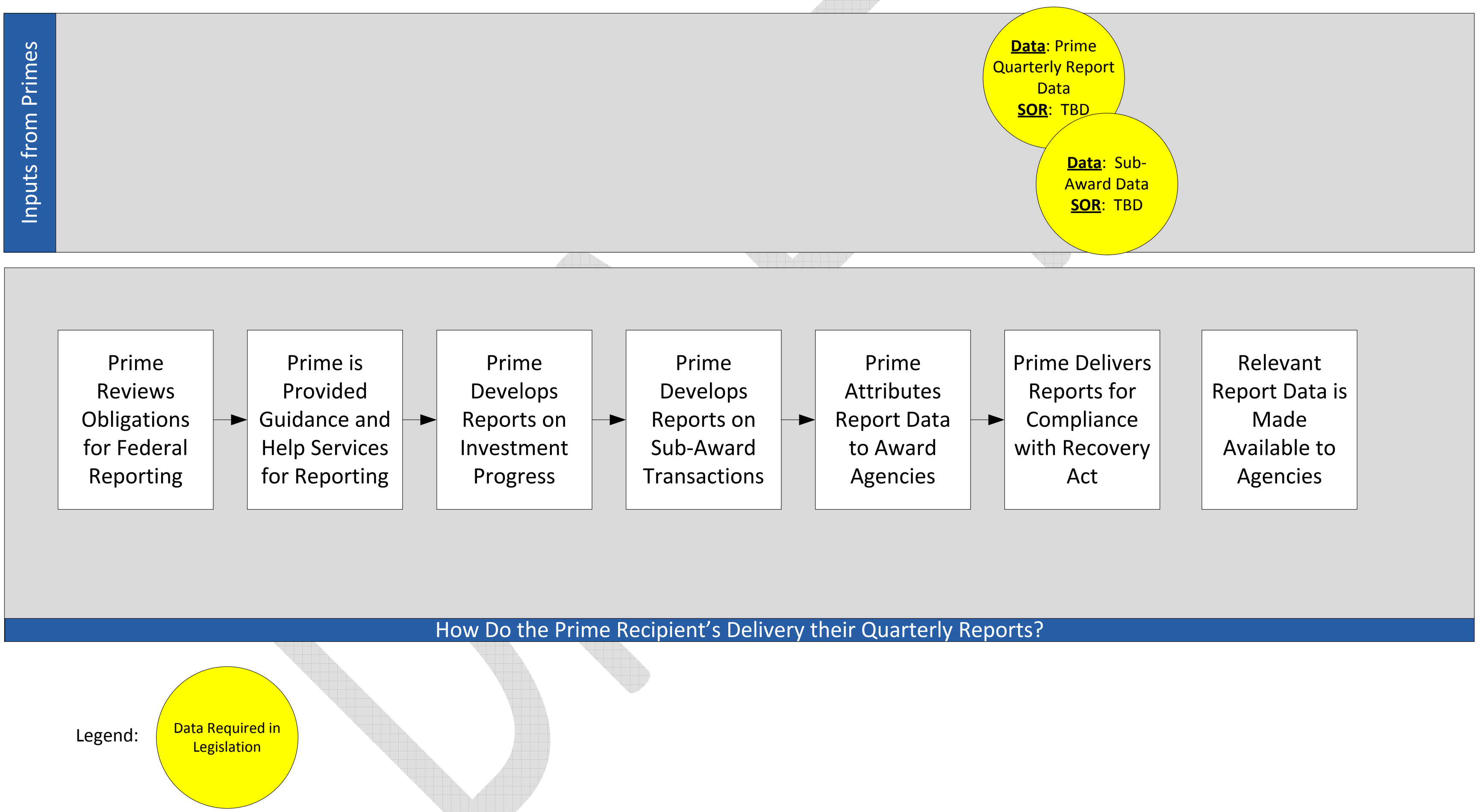

Figure 7: Process Visual - 3. Prime Award Recipient Reports Data

4. Perform Data Validation and Quality Assurance

This process flow depicts the fact that quality assurance and data validation will be an important function to prepare data for presentment on Recovery.gov. Quality assurance processes will be performed to determine where quality issues exist and to route issues to the relevant agencies or prime award recipients. The quality assurance function is critical to ensuring that the public receives valid information on Recovery.gov.

In the process, information is collected from Federal agencies and prime award recipients and then data validation functions are performed to determine where errors might exist. Error and exception reports are generated to communicate to Federal agencies and prime award recipients where data issues exist and need to be addresses. The flow concludes with support for follow on questions and queries associated with the error and exception reports.

> ***Solution**: It is anticipated that the error and exception reporting will utilize the same data warehouse and business analytics capabilities that will be utilized for recovery related reporting and reconciliation. Error and exception reports will be transmitted using the syndication technologies. In addition, workflow functionality will be provided to support different processes.*

4. Perform Data Validation and Quality Assurance

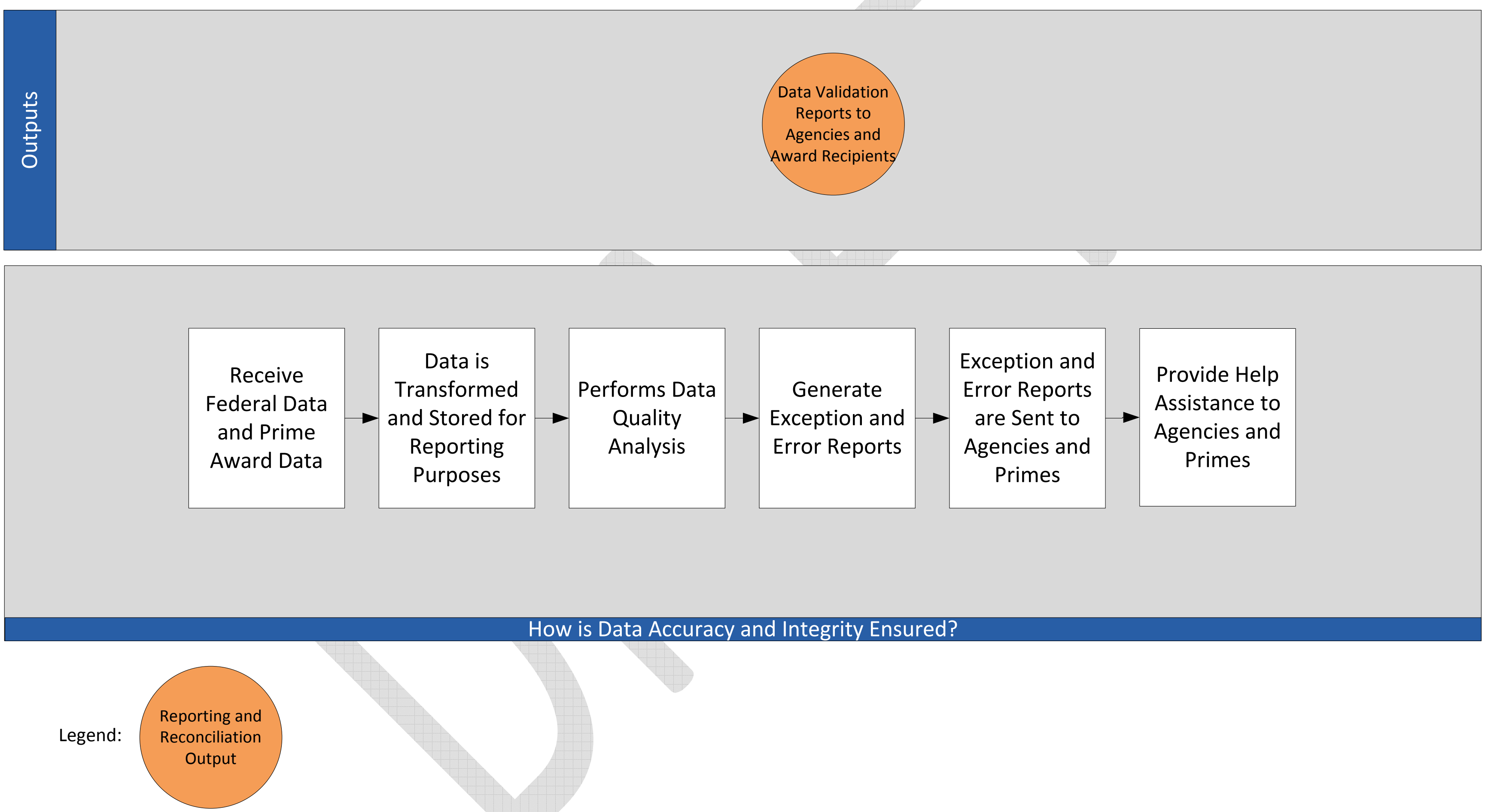

Figure 8: Process Visual - 4. Perform Data Validation and Quality Assurance

5. Present Information on Recovery.gov

This process includes the presentation of information onto the Recovery.gov website as well as the public commenting and feedback capabilities that are required in the Recovery Act. Information gathered or accessed in the 1st, 2nd and 3rd functions in the value chain will be presented via Recovery.gov. Note that the process flow also denotes that a feed from FBO.gov will be used to present opportunities to the public. Information on awards will be served from USAspending.gov in order to present the full range of required elements on Recovery.gov. It is expected that the Recovery.gov solution will feature syndicated content for stakeholders to receive content.

Lastly, the process flow depicts the interaction point with the public. Specifically, the Recovery Act requires that the website be capable of receiving feedback from the public on the performance of investments associated with the recovery. The process currently depicts that public feedback will be reviewed prior to being posted on Recovery.gov.

> ***Solution**: The feed from FBO.gov is expected to be a web service that is integrated for presentment purposes using the Recovery.gov web presence. The feed from USASpending.gov is also expected to be a web service that feeds information into the Recovery.gov presentment and online query capabilities. Syndicated content is expected to use standard technologies as discussed later in this document. Public feedback mechanisms are being discussed and further solution details will be made available.*

5. Present Information on Recovery.gov

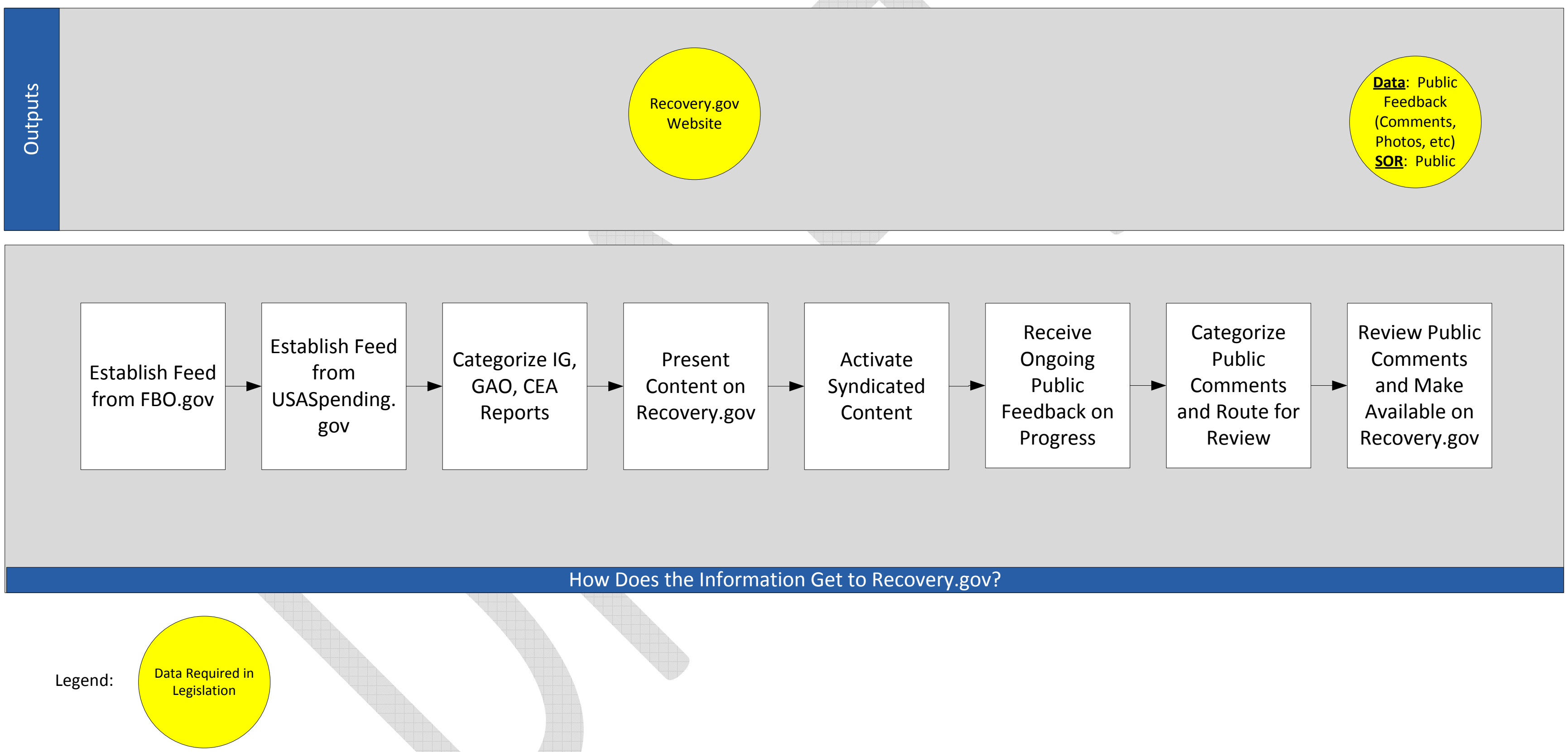

Figure 9: Process Visual - 5. Present Information on Recovery.gov

6. Create and Distribute Reports

This process flow depicts the integration and transformation of source data to generate the customized reports needed for the use of recovery data in oversight and management roles across the Federal government. Much attention is associated with the Recovery.gov website however there are significant transparency and reporting needs to oversight and management groups throughout the Federal government. This process flow shows the "access" of information and the integration and transformation of that information for the purposes of downstream transparency and reporting. Note that reporting will need to be generated and then validated and approved in a process prior to release.

> ***Solution: It is anticipated that the report creation solution will feature a business intelligence solution that will access the reconciliation and reporting data warehouse mentioned earlier in the document. It is anticipated that the report will be distributed via syndication technologies that are discussed later in this document.***

6. Create and Distribute Reports

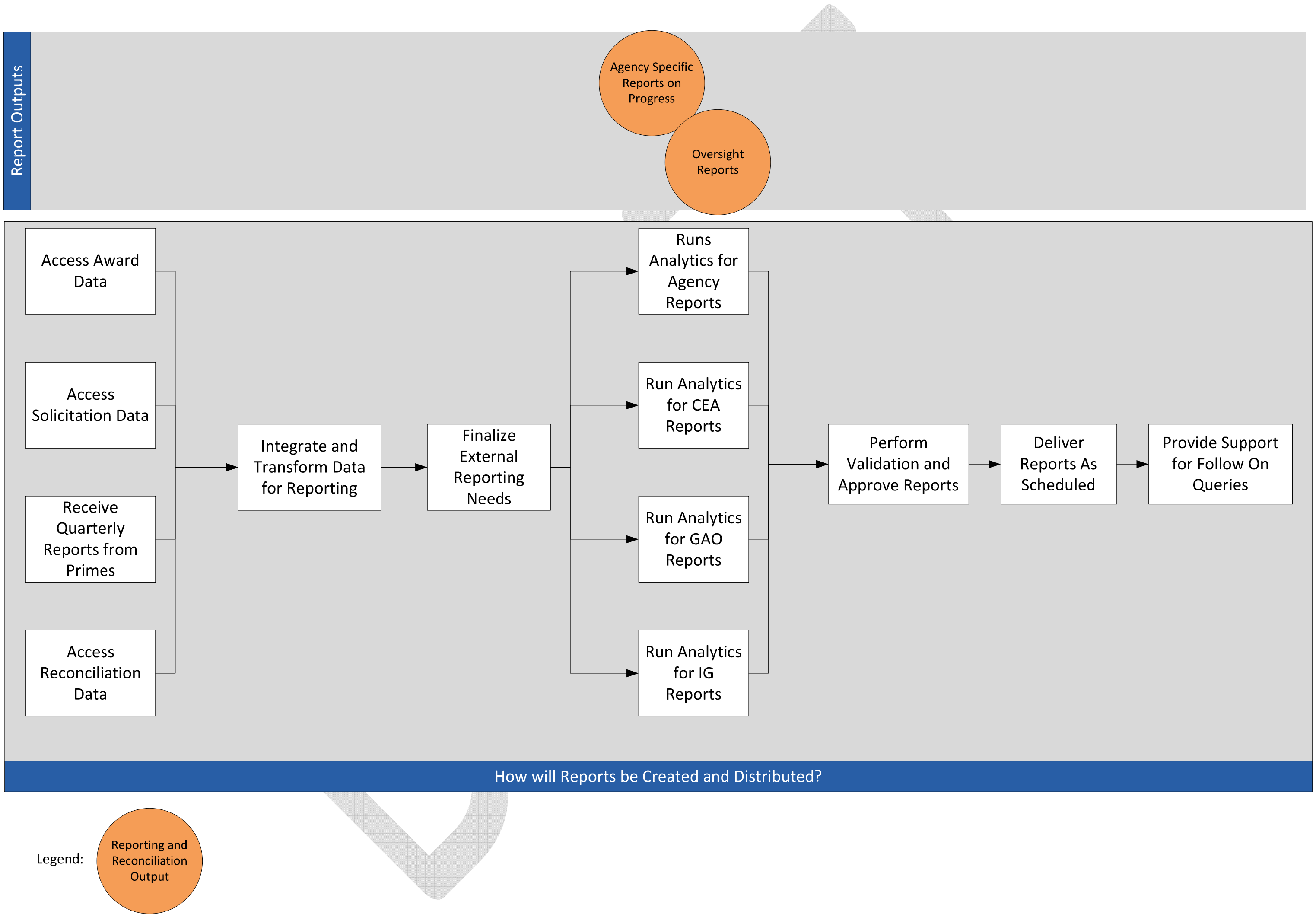

Figure 10: Process Visual - 6. Create and Distribute Reports

VI. Recovery Act Enabling Solution Architecture

This section provides a strategic direction to guide the development of a technical architecture for implementing follow-on phases of the Recovery.gov site, in relation to upstream and downstream information systems, and in support of the actors, use-cases, information flows, and abstract information model presented in other sections of this document.

Recovery.gov will be responsible for aggregating views of the information stipulated by the Recovery Act and OMB guidance requirements by providing application functionality that can consume, transform, display, transfer, publish, analyze and where necessary persist information, allowing citizens to monitor the status and progress of the Recovery Act.

Existing systems (usaspending.gov, grants.gov, fbo.gov, Recovery.gov, agency.gov/recovery, others) provide a number of different ways in to exchange data. Recovery.gov will leverage existing information transfer capabilities of participating systems wherever possible, through the use of API's, flat file transfers, and unstructured/semi-structured/structured documents exchanged via the web.

Architecture Design Goals

- *Simplicity & Conceptual Integrity*

  The functional capabilities of Recovery.gov will be balanced against the constraints presented by the participating information systems to achieve the simplest integration solutions possible that meet Recovery Act and OMB goals and objectives.

- *Feeds*

  Feeds that publish and syndicate information throughout the lifecycle of stimulus initiatives will be accessed by services and transformed into appropriate formats for consumption by web dashboards whose widgets enable cohesive sort, filter, and search functionality. Agencies can publish feed entries to their own feed servers, or to feed servers provided by Recovery.gov.

- *REST (WOA)*

  Documents and data will be treated as web resources, accessible via URI's in standard representation formats. Application functionality will be implemented as services that enable the accessibility and management of these resources using the uniform interface provided by the HTTP protocol.

- *Linked Open Data*

  XML standards provide ways to design and enforce tree structures, and have in many cases been used to standardize and govern data structures in file and web service exchanges in existing systems API's. Semantic Web standards are ways to design and constrain graph structures that can be used effectively to harmonize federated data sources. The mission of the Linked Open Data (LOD) community is to realize the Semantic Web vision by creating a web of linked data as an extension to today's web of linked documents. LOD makes it possible to traverse a data graph, making the entire web a distributed database for use by Recovery.gov application services.

- *Open Standards*

  Atom 1.0 will be used for feeds with XHTML <content>. XHTML 2.0 includes RDFa and XForms and will be used for web pages. RDF/RDFS/OWL will be used in support of LOD SPARQL endpoints. All of these standards can be used regardless of the Recovery.gov application and service implementation technologies, which will be a choice between leading agile and enterprise runtime execution environments.

- *Open Source*

  Open source tools will be leveraged for design and deployment of Recovery.gov where possible, to facilitate sharing specifications and implementations with value chain constituents and information system stewards and stakeholders. Recovery.gov will itself be managed as an open source project.

Principles of Transparency

- Transparency should be enabled as close as possible to the system of record.
- Responsibility for transparency resides with the owner or steward of the data.
- Transparency should be enhanced with an open process for improving data quality including feedback from users of transparency feeds.
- Transparency should be implemented increasingly as a utility grade service with a commitment to long-term persistence of data, historical data, feeds, availability, reliability, security, and eventually non-repudiation.
- Transparency should be enabled with clear and minimal encumbrances to the use of the data being made available.
- Transparency can be best accomplished with common, cross government technical and data standards.
- Transparency should be enabled by reference architectures and where possible open source-based reference implementations that enable broad-based (re)use by all stakeholders for value.
- Transparency should support collaborative and participative government.
- Transparency should support innovation and performance improvement by governmental and non-governmental actors.

Release 1.0 Conceptual Solution Architecture (February 17, 2009)

The Recovery.gov solution architecture will evolve considerably from the initial release of the Recovery.gov solution. The initial release of Recovery.gov is focused on providing content concerning the Recovery Act, the appropriations, and the intent of the legislation. The release 1.0 of the Recovery.gov solution is depicted in the following visual.

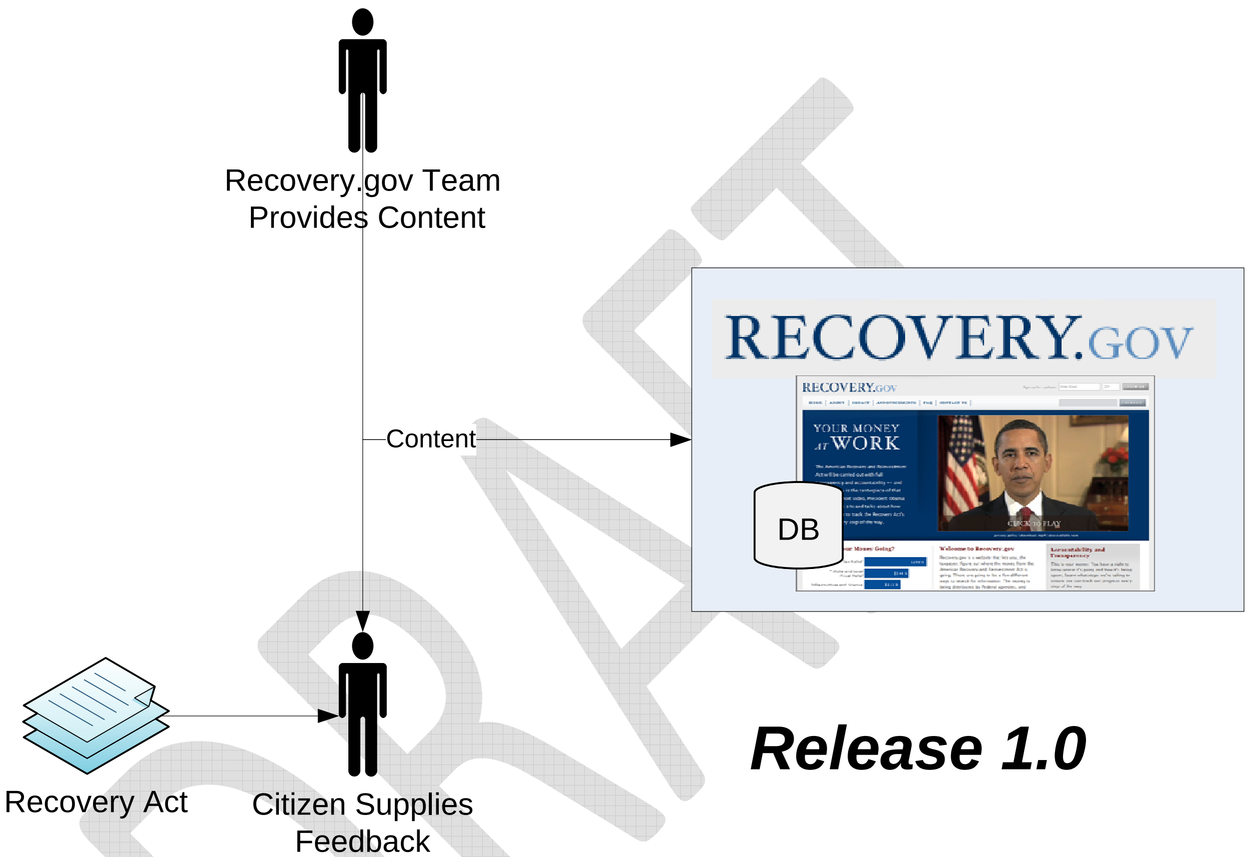

Figure 11: Release 1.0 Conceptual Solution Architecture

Release 2.0 Conceptual Solution Architecture (Immediate to Near Term)

The Recovery.gov solution will quickly be made more robust through some of the information feeds detailed in the 1st value chain function previous defined in this document. Specifically, just after the launch of the Recovery.gov solution release 1.0, Federal agencies will be required to immediately begin reporting on any major communications associated with the Recovery Act as well as any allocations of Formula Block Grants.

For each of the near term reporting requirements (major communications and formula block grant allocations) agencies are required to provide a feed (preferred: Atom 1.0, acceptable: RSS) of the information so that content can be delivered via subscription. Note that the required information can be supplied in the feed or the feed can point to a file at the agency using the convention noted below. If an agency is immediately unable to publish feeds, the agency should post each near term information flow (major communications, formula block grant allocations, weekly reports) to a URL directory convention suggested below: www.agency.gov/recovery/year/month/date/reporttype. It is expected that the information files will be posted at the following URLs:

- Major Communications: www.HUD.gov/recovery/2009/02/16/comms
- Formula Block Grant Allocation: www.HUD.gov/recovery/2009/02/16/fbgla
- Weekly Report: www.HUD.gov/recovery/2009/03/01/weekly

In addition to posting the files either via feed or the URL structure, agencies are also required to email the files to the following email address: recoveryupdates@gsa.gov. Emails should have a subject in the following format: Official Agency Abbreviation, Report Type. For example:

- HUD, Major Communications
- HUD, Formula Block Grant Allocation
- HUD, Weekly Report

Note that the body of the email should include the appropriate completed template as an attachment and should include the name, title, and contact information for the submitter. Templates for these files can be found at https://max.omb.gov/community/x/doC2Dw. All attachments should use the Official Agency Abbreviation, Report Type and a Date for Uniqueness in the file name. The date will allow all files from HUD to be stored at a common location.

For example: HUD_Major_Communications_02202009.xls.

If multiple emails are necessary (not preferred) on the same date for the same report type, you can add timestamp in the file name.

The release 2.0 of the Recovery.gov solution is depicted in the following visual.

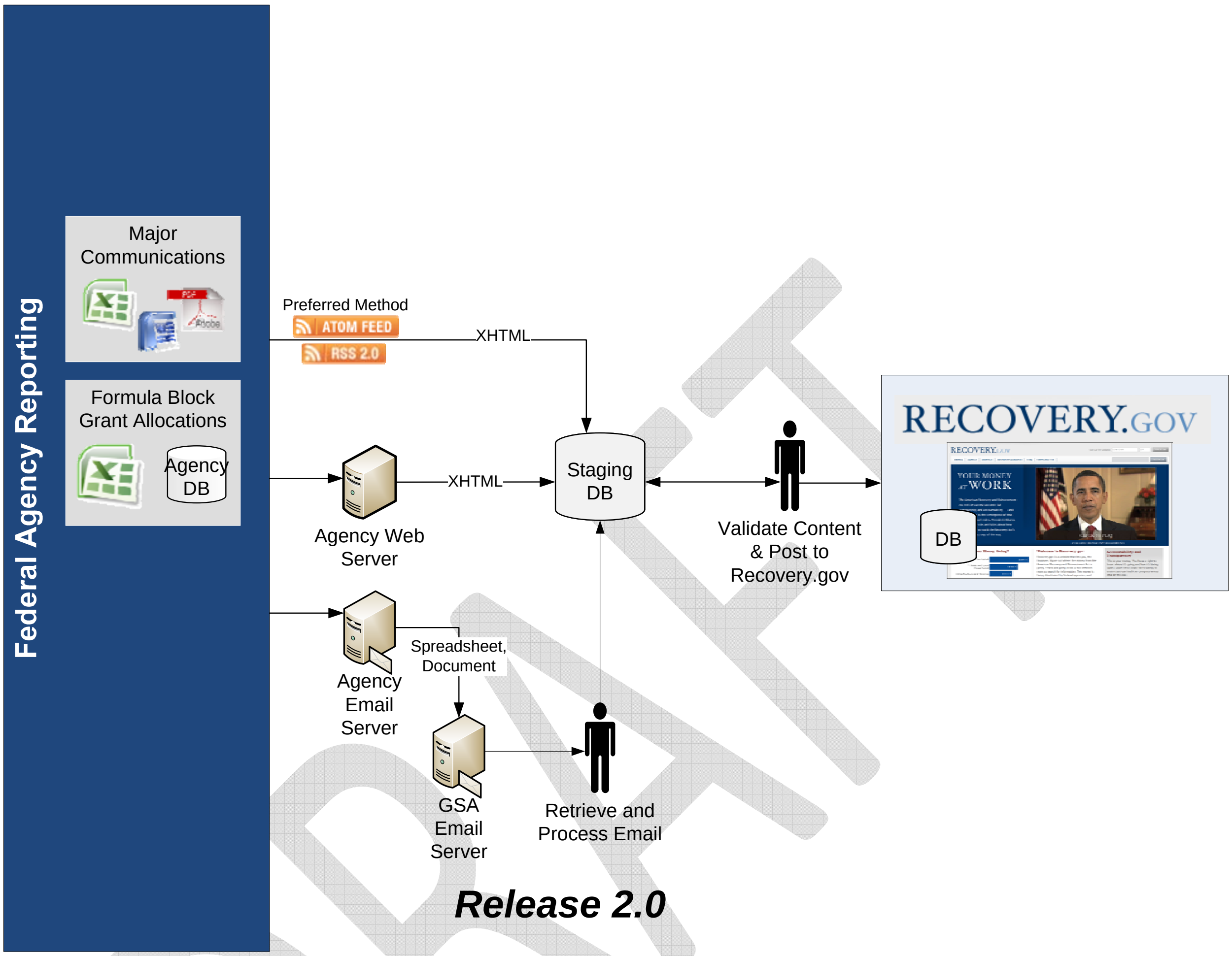

Figure 12: Release 2.0 Conceptual Solution Architecture

Release 3.0 Conceptual Solution Architecture (Near to Mid Term)

The Recovery.gov solution will continue to evolve as additional information sources are made available to the site and additional reporting requirements are made mandatory. Specifically, the release 3.0 of the Recovery.gov solution will feature Federal agencies reporting weekly on obligations and expenditures. In addition to the weekly reports, the 3.0 release of the Recovery.gov solution will include information feeds from Grants.gov and FBO.gov to present citizens with financial assistance and contract opportunities respectively. Lastly, release 3.0 will feature citizen interaction capabilities to better fulfill the open government objectives of the administration. The release 3.0 of the Recovery.gov solution is depicted in the following visual.

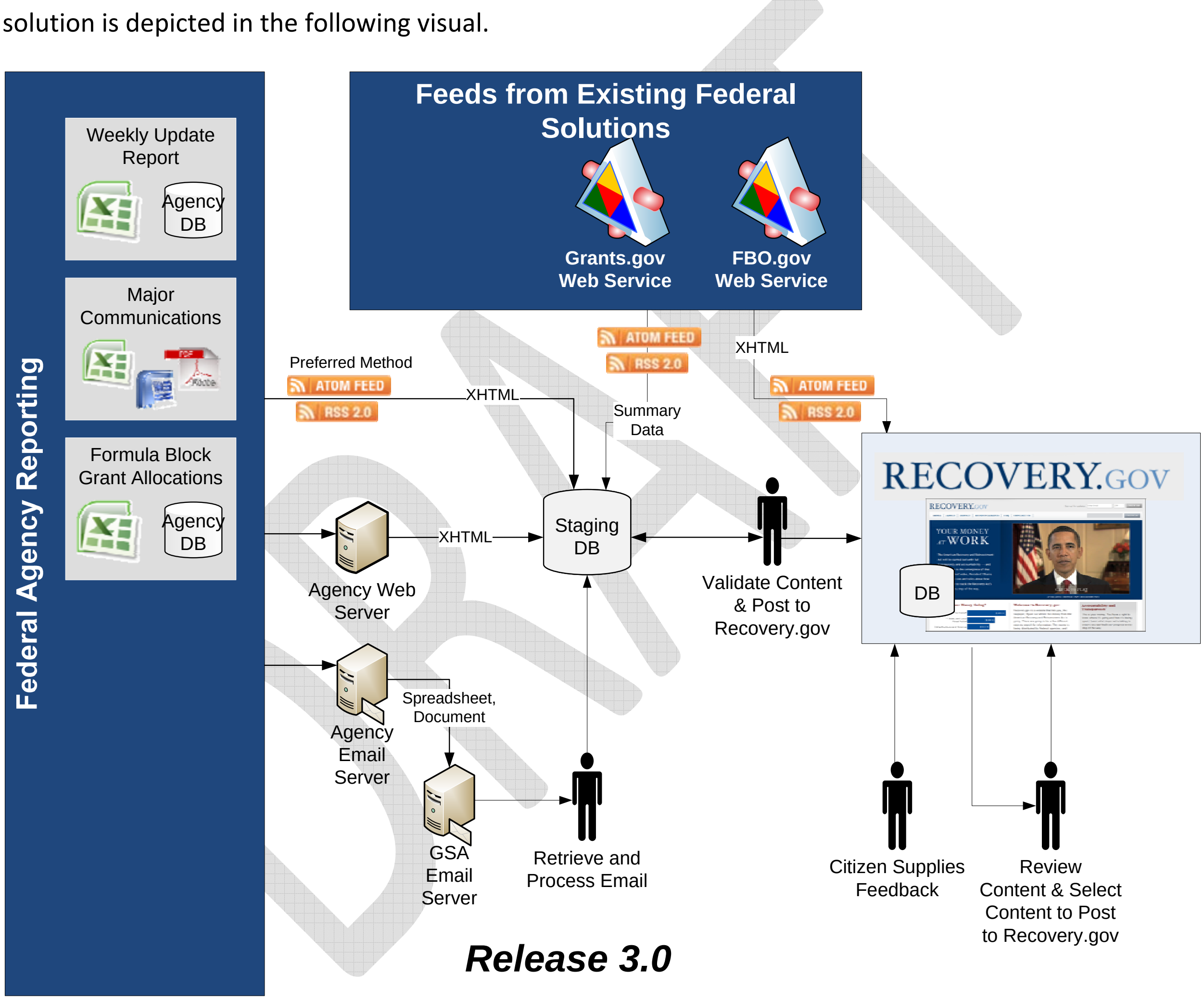

Figure 13: Release 3.0 Conceptual Solution Architecture

Release 4.0 Conceptual Solution Architecture (Mid-Term)

The release 4.0 of the Recovery.gov solution will feature additional required information reports from Federal agencies. Specifically, Federal agencies will be required to submit their Agency-Wide Recovery Plan as well as their Program-Specific Recovery Plans. These plans will be presented through Recovery.gov. Additionally, Federal agencies will be required to begin submitting Monthly Financial Reports which will include obligation and expenditure data to help provide content for Recovery.gov. Lastly, the release 4.0 of the Recovery.gov solution will feature an information feed from USAspending.gov to provide the public with Recovery Act related federal awards of contracts and financial assistance. The release 4.0 of the Recovery.gov solution is depicted in the following visual. Note that this release does not include email based transmission of files from Federal agencies. It is anticipated that this method of transmission will be eliminated after release 3.0.

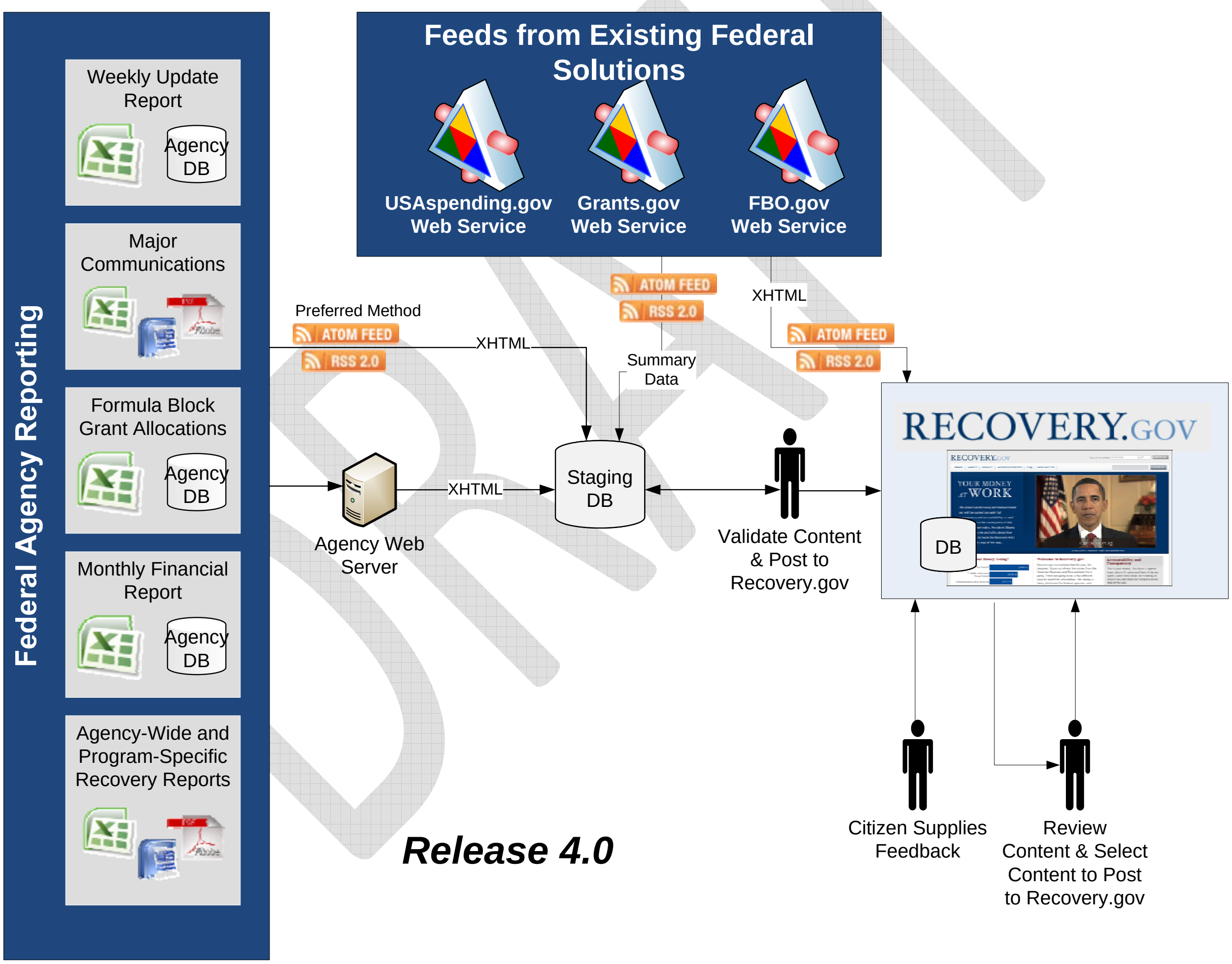

Figure 14: Release 4.0 Conceptual Solution Architecture

Release 5.0 Conceptual Solution Architecture (Mid to Longer Term)

The release 5.0 of the Recovery.gov solution will include additional information flows and the elimination of feeds from some Federal agency reports. Federal agencies will no longer be required to provide weekly update reports. This information flow will have been replaced by the monthly financial reports. Also, the Agency-Wide Recovery Plan and Program-Specific Recovery Plans were sourced in release 4.0 and the content will remain however currently there is no ongoing feed of updates to these plans into Recovery.gov slated for release 5.0. In addition to Federal agency reporting, the release 5.0 of the Recovery.gov solution will include an important new feed from prime award recipients. Those who have received prime awards associated with the Recovery Act will be required to provide a feed of financial, project, and sub-award details. The release 5.0 of the Recovery.gov solution is depicted in the following visual. Note that this release does not include email based transmission of files from Federal agencies. It is anticipated that this method of transmission will be eliminated after release 3.0.

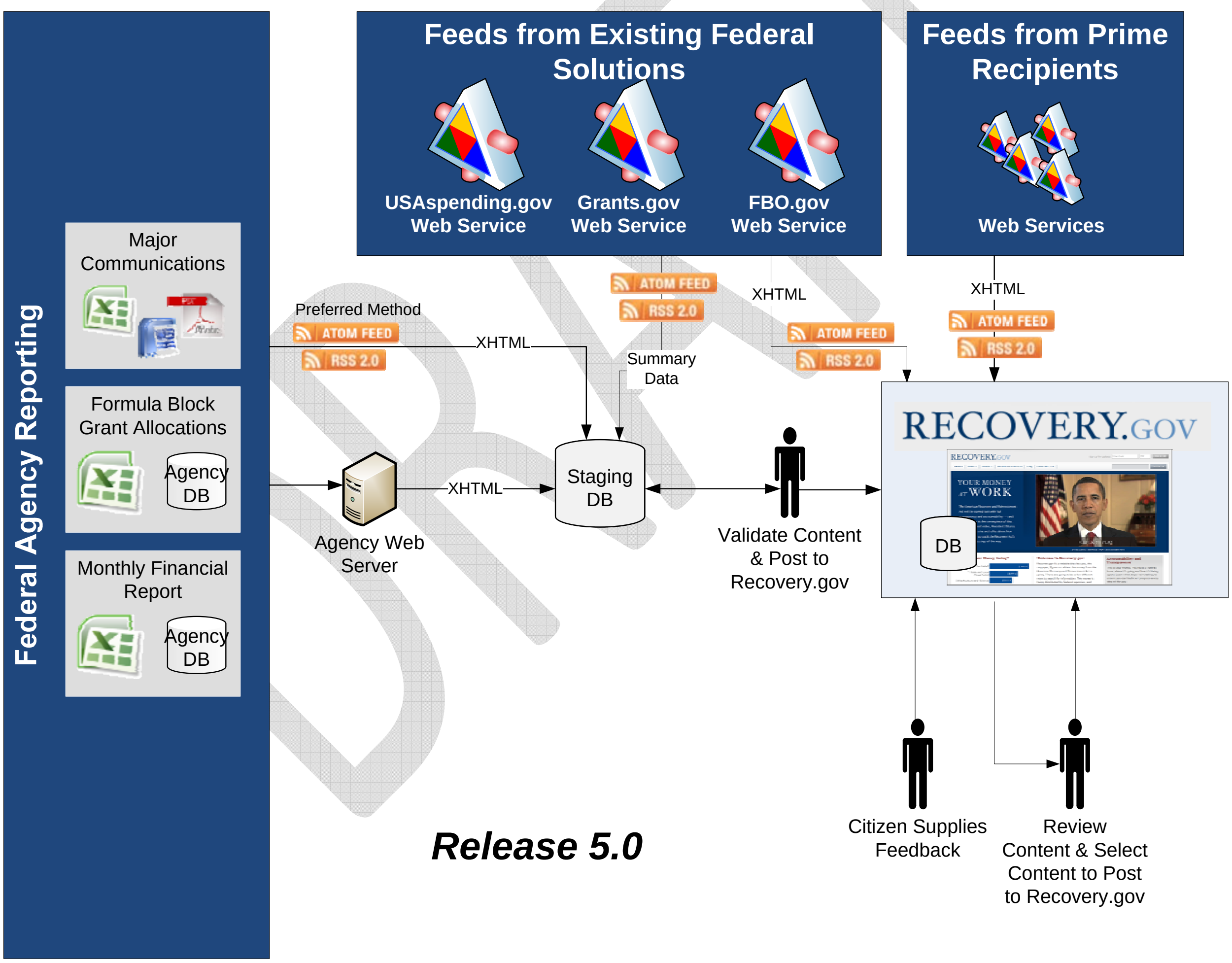

Figure 15: Release 5.0 Conceptual Solution Architecture

VII. Recovery.gov Data Specifications

The following sections provide details on the data specifications for the major information flows required for compliance with the Recovery Act. Note that given the high priority placed on the accurate display of information related to the Recovery Act on Recovery.gov, agencies are responsible for pre-dissemination review of all information that will appear on Recovery.gov. All agencies must ensure all reporting related to the Recovery Act funding is complete and accurate and complies with the agency's Information Quality Act guidelines. Each agency on its Recovery.gov page shall provide its point-of-contact for information quality.

Major Communications

In order to support the objectives in the American Recovery and Reinvestment Act of 2009, all Federal agencies receiving Recovery Act funds should provide major communications that are appropriate for posting to the 'Announcements' section of Recovery.gov. Items should be of interest to a broad cross section of the American public, and focus on Presidential priorities and programs with a major impact. These communication materials should be cleared by the senior accountable official at the agency or his/her designee.

In addition, agencies should make known any major press events or videos produced for the implementation of the Recovery Act. Specific transmission instructions are in the OMB guidance related to the Recovery Act. Recovery.gov will feature videos which highlight both major actions being taken by the Federal government as well as the impact the Recovery Act is having on the American people. The following fields are required for this transparency and reporting.

Table 5: Major Communications Data Specifications

Major Communications Data: **(Based on Recovery Act Guidance)**			
Data Elements	**Field Type**	**Source of Requirement**	**Source of Record**
Title (Clear Heading)	varchar(45)	OMB Guidance	Agency
Link to Communications Item	varchar(250)	OMB Guidance	Agency
Type of Major Communication (Press Release, Video, Press Event, Other)	varchar(45)	OMB Guidance	Agency
Short (no more than 5 sentences) overview of the main communications points	Up to 65535 characters	OMB Guidance	Agency
Date and time of communication	MMDDYYYY HH:MM	OMB Guidance	Agency
Additional citizen friendly tags that can be used on Recovery.gov to help present the news items	varchar(45)	OMB Guidance	Agency

Formula Block Grant Allocation Report

As soon as information becomes available, Federal agencies are required to provide details on the allocations made for each formula block grant. These formula block grant reports should be cleared by the senior accountable official at the agency or his/her designee. The immediate transmission of this information will allow for accurate transparency and reporting on Recovery.gov. The following fields are required for this transparency and reporting.

Table 6: Formula Block Grant Allocation Data Specifications

Formula Block Grant Allocation Data: (Based on Recovery Act Guidance, Recovery Act, and FFATA)				
Data Elements	**Description**	**Field Type**	**Source of Requirement**	**Source of Record**
Recipient Name	The name of the recipient of the award.	varchar (45)	OMB Guidance	Agency
Federal Funding Amount	Amount of federal government's obligation or contingent liability, in dollars. A negative number represents a decrease in funding.	int(11)	OMB Guidance	Agency
Recipient DUNS Number	Unique nine-digit number issued by Dun & Bradstreet to the agency. Followed by optional DUNS Plus 4 which allows an agency to submit different bank account data for a single DUNS (Assigned by Dun & Bradstreet)	char(13)	OMB Guidance	Agency
CFDA Program Number	The numeric code that indicates the program under which this award was funded within the Catalog of Federal Domestic Assistance (CFDA). Numbers that contain AAA, AAB etc. are pseudo-codes and are not in CFDA.	varchar (7)	OMB Guidance	Agency
CFDA Program Title	The title of the program under which the award was funded, taken from the Catalog of Federal Domestic Assistance (CFDA).	varchar (74)	OMB Guidance	Agency
Recipient Address Line 1	Recipient 's Full address Line 1	char(35)	OMB Guidance	Agency
Recipient Address Line 2	Recipient 's Full address Line 2	char(35)	OMB Guidance	Agency
Recipient Address Line 3	Recipient 's Full address Line 3	char(35)	OMB Guidance	Agency

Formula Block Grant Allocation Data: (Based on Recovery Act Guidance, Recovery Act, and FFATA)				
Data Elements	**Description**	**Field Type**	**Source of Requirement**	**Source of Record**
Recipient City Code	The five-digit FIPS city code for the city in the address of the recipient of the award.	varchar (5)	OMB Guidance	Agency
Recipient City Name	The city in which the address of the recipient of the award is located.	varchar (21)	OMB Guidance	Agency
Recipient County Code	The three-digit FIPS county code for the county in which the address for the recipient of the award is located.	char(3)	OMB Guidance	Agency
Recipient County Name	The county in which the address for the recipient of the award is located.	varchar (21)	OMB Guidance	Agency
Recipient State Code	The two-digit FIPS state code for the state or territory in which the address for the recipient of the award is located.	char(2)	OMB Guidance	Agency
Recipient State Name	The name of the state or territory in which the address for the recipient of the award is located.	varchar (25)	OMB Guidance	Agency
Recipient Zip Code	The Zip code in the address of the recipient of the award.	varchar (9)	OMB Guidance	Agency
Program Source/Treasury Account Symbol: Agency Code	Agency Code part (First 2 characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (2)	OMB Guidance	Agency
Program Source/Treasury Account Symbol: Account Code	Account Code part (3rd to 6th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (4)	OMB Guidance	Agency
Program Source/ Treasury Account Symbol; Sub-Account Code (OPTIONAL)	Sub-Account Code part (7th to 9th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (3)	OMB Guidance	Agency

Weekly Update Report

In order to support the objectives in the American Recovery and Reinvestment Act of 2009, the Recovery.gov website will be populated in its early weeks with Weekly Update Reports from Federal agencies. The weekly reports are intended to frequently capture updates from the Federal agencies that can be posted on Recovery.gov. Starting on Tuesday March 3, 2009, and on each Tuesday thereafter through May 12, all agencies receiving Recovery Act funds will submit the following information for recovery activities through the preceding Friday. All amounts are cumulative, year-to-date. Please note: Expenditure data is optional on the weekly report until April 6th. Other required amounts should be reported as zero if unknown at the time of reporting. These weekly reports should be cleared by the senior accountable official at the agency or his/her designee.

Table 7: Weekly Update Report Data Specifications

Weekly Update Report Data: **(Based on Recovery Act Guidance)**				
Data Elements	**Description**	**Field Type**	**Source of Requirement**	**Source of Record**
Week Start Date	The date for the first day in the week covered in the weekly update report.	MMDD YYYY	OMB Guidance	Agency
Program Source/ Treasury Account Symbol: Agency Code	Agency Code part (First 2 characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (2)	OMB Guidance	Agency
Program Source/Treasury Account Symbol: Account Code	Account Code part (3rd to 6th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (4)	OMB Guidance	Agency
Program Source/Treasury Account Symbol; Sub-Account Code (OPTIONAL)	Sub-Account Code part (7th to 9th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (3)	OMB Guidance	Agency
Total Appropriation	Total Allocations - actual dollar amount, rounded to the nearest whole dollar	int(12)	OMB Guidance	Agency
Total Obligations	Total Obligations - actual dollar amount, rounded to the nearest whole dollar	int(12)	OMB Guidance	Agency
Total Expenditures	Total Expenditures - actual dollar amount, rounded to the nearest whole dollar	int(12)	OMB Guidance	Agency
Major Completed Actions	Short bulleted list of the major actions taken to date	Up to 65535 characters	OMB Guidance	Agency

Major Planned Actions	Short bulleted list of the major planned actions	Up to 65535 characters	OMB Guidance	Agency

Monthly Financial Report

In order to support the objectives in the American Recovery and Reinvestment Act of 2009, agencies will submit Monthly Financial Reports. The data fields for the Monthly Financial Report are identified below in draft form as the final data fields are being determined for future release.

Table 8: Monthly Financial Report Data Specifications

Monthly Financial Report Data: **(Based on Recovery Act Guidance)**		
Data Elements	**Source of Requirement**	**Source of Record**
Month Start Date	OMB Guidance	Agency
Submission Date	OMB Guidance	Agency
Obligation: Vendor	OMB Guidance	Agency
Obligation: Contract/Grant/Loan Number	OMB Guidance	Agency
Obligation: Obligation Number	OMB Guidance	Agency
Obligation: Program	OMB Guidance	Agency
Obligation: TAFS	OMB Guidance	Agency
Obligation: Amount - actual dollar amount, rounded to the nearest whole dollar	OMB Guidance	Agency
Expenditure: Vendor	OMB Guidance	Agency
Expenditure: Contract/Grant/Loan Number	OMB Guidance	Agency
Expenditure: Outlay Number	OMB Guidance	Agency
Expenditure: Program	OMB Guidance	Agency
Expenditure: TAFS	OMB Guidance	Agency
Expenditure: Amount - actual dollar amount, rounded to the nearest whole dollar (cumulative)	OMB Guidance	Agency
Allocations of all mandatory and other entitlement programs by State, county, or other appropriate geographical unit	OMB Guidance	Agency

Award-Level Reporting

The American Recovery and Reinvestment Act of 2009 requires that data on awards of prime contracts and grants be made available via Recovery.gov. Prime Federal awards data for Recovery.gov will consist of Federal financial assistance and expenditures that include grants, loans, loan guarantees, awards, cooperative agreements and other financial assistance as well as contracts, purchase orders, task orders, and delivery orders. Award-level transparency and reporting will follow the same procedures that in place today for USAspending.gov however in some cases there will be additional attribution.

The following tables include the data fields in the copy of the Federal Procurement Data System federal contracts database that is accessed by USAspending.gov. The "Field Type" column provides the type and size of the field.

Contracts Data Dictionary

Amounts (Award)

This section shows dollar amounts of awards.

Table 9: Contracts Data Dictionary - Amounts

Data Field	Description	Field Type
Dollars Obligated	The net dollar amount that is obligated or de-obligated by this transaction. If the net is a de-obligation, the amount will be negative.	double(18,2)
Current Contract Value	The contract value in dollars for the base contract and any options that have been exercised. For a new award, this is a total; for a modification, it is a change in value (positive or negative).	double(18,2)
Ultimate Contract Value	The total contract or order value in dollars including all options (if any). For IDVs, the estimated value for all orders expected to be placed against the vehicle. For modifications, the change (positive or negative) in the total contract value.	double(18,2)

Purchaser Information (Award)

This section shows information about the purchaser for the award, i.e. the governmental agency or agencies that made the purchase.

Table 10: Contracts Data Dictionary - Purchaser Information

Data Field	Description	Field Type
Major Agency	The original Federal Procurement Data System contracting agency code, modified by USAspending.gov to show the major agency giving out the contract. Major agencies are usually departments of the government. All minor agencies are listed within a general category.	char(2)
Modified Contracting Agency	The contracting agency code, as modified by USAspending.gov to replace disused agency codes with current ones.	varchar (4)
Contracting Agency	A code for the governmental agency or bureau that executed or is otherwise responsible for the transaction.	varchar (4)
Contracting Office	The agency supplied code for the contracting office that executes the transaction.	varchar (6)
Program / Funding Agency	A code for the agency that provided the preponderance of the funds obligated by this transaction. If left blank, defaults to Contracting Agency.	varchar (4)
Program / Funding Office	The agency provided code that identifies the office that provided the preponderance of funds. If the Funding Agency is a DoD agency, the code is the	varchar (6)

Data Field	Description	Field Type
	DoD Activity Address Code (DODAAC).	
Reason For Purchase For DoD	A code that indicates why a civilian agency made a purchase for DoD.	char(1)
Funded by Foreign Government or International Org.	Indicates that a foreign government, international organization, or foreign military organization bears some of the cost of the acquisition.	char(1)
Program Source/Treasury Account Symbol: Agency Code	Agency Code part (First 2 characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (2)
Program Source/Treasury Account Symbol: Account Code	Account Code part (3rd to 6th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (4)
Program Source/Treasury Account Symbol; Sub-Account Code (OPTIONAL)	Sub-Account Code part (7th to 9th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (3)

Contract Information (Award)

This section shows basic contract information for an award.

Table 11: Contracts Data Dictionary - Contract Information

Data Field	Description	Field Type
Recovery Designation	This is a new field to denote whether the award is associated with funds made available through the Recovery Act.	char(1)
Date Signed	The date that a mutually binding agreement was reached. The date signed by the Contracting Officer or the Contractor, whichever is later.	date
Effective Date	The date that the parties agree will be the starting date for the contract's requirements. Usually, this is the same as the date signed, but may be different.	date
Current Completion Date	The current expected or scheduled contract completion date, based on the initial schedule, any options exercised at the time of the award, and any modifications made later.	date
Ultimate Completion Date	The estimated or scheduled completion date including the base contract or order and all options (if any) whether the options have been exercised or not. Defaults to be the same as the Current Completion Date.	date
Award Type	The type of award for this record. Types of awards include Purchase Orders (PO), Delivery Orders (DO), BPA Calls and Definitive Contracts.	char(1)
Reason For Modification	Code for the type of modification to an award or IDV performed by this transaction.	char(1)
Type of Contract	The type of contract as defined in FAR Part 16 that applies to this procurement.	char(1)

Data Field	Description	Field Type
Pricing	Can be fixed price, cost plus, labor hours, etc.	
Letter Contract	Indicates whether the award is a Letter Contract.	char(1)
Multi-Year Contract	Indicates whether this is a multi-year contract, a contract for the purchase of supplies or services for more than 1, but not more than 5, program years. Such contracts are issued under specific congressional authority for specific programs.	char(1)
Performance-Based Service Contract	Indicates whether the contract is a Performance-Based Service Acquisition (PBSA) as defined by FAR 37.601. A PBSA describes the requirements in terms of results rather than the methods of performance of the work and has other detailed requirements.	char(1)
Major Program	The agency determined code for a major program within the agency. For an Indefinite Delivery Vehicle, this may be the name of a GWAC (e.g., ITOPS or COMMITS).	varchar (100)
Contingency, Humanitarian, or Peacekeeping Operation	Indicates contract actions that exceed $200,000 and support a contingency operation, a humanitarian operation, or a peacekeeping operation.	char(1)
Cost or Pricing Data DoD	Indicates whether cost or pricing data was obtained, not obtained, or waived for DoD assigned contracts.	char(1)
Contract Financing	Type of financing used to effect payment (progress payments, advance payments, etc.).	char(1)
Cost Accounting Standards Clause	Indicates whether the contract includes a Cost Accounting Standards clause.	char(1)
Contract Description	A brief description of the goods or services bought (for an award) or that are available (for an IDV).	text
Purchase Card As Payment Method	Indicates whether the method of payment under an award is the Purchase Card. Agencies may issue formal contract documents and make payment using the Purchase Card. It is also permitted that agencies may report Purchase Card purchases.	char(1)
Number of Actions	The number of actions that involved contract modifications for additional supplies or services. Can be reported for new contracts or contract modification transactions. Data fields exist in XML schema version 1.2 and later only.	int(11)
National Interest Action	Code for contracts created in response to "national interests" (e.g. Hurricane Katrina, Hurricane Rita). Note: data field only exists in XML schema version 1.2 and later.	varchar (4)

Contractor Information (Award)

This section shows basic information about the contractor/vendor for an award, such as its name, address, parent, and contact information.

Table 12: Contracts Data Dictionary - Contractor Information

Data Field	Description	Field Type
Vendor Name	The name of the vendor supplying the product or service as it appears in CCR or	varchar

Data Field	Description	Field Type
	as entered by the user if CCR exception is selected.	(100)
Vendor Alternate Name	An alternate name for the vendor.	varchar (255)
Vendor Legal Organization Name	The legal organizational name of the vendor.	varchar (120)
Vendor Doing Business As Name	The doing as business name of the contractor address.	varchar (80)
Vendor Name from Contract	The name of the contractor supplying the product or service as it appears on the contract.	varchar (80)
Best Vendor Name	A single name chosen as the vendor name by USAspending.gov. The name is the first valid-appearing one from the following data fields in order: vendor Name, legal name, dba name, alternate name, vendor name from contract, parent company name.	varchar (120)
Best Vendor Name Type	A code showing which of the six name fields provided the best vendor name for this record.	char(1)
Division Name	The division name for the division of the vendor contracted. Usually taken from the CCR (Central Contractor Registry).	varchar (60)
Division Number or Office Code	Unknown meaning.	varchar (10)
Vendor Enabled	Not known.	char(1)
Vendor Location Disable Flag	Unknown meaning.	char(1)
CCR Exception	Indicates and gives the reason why a vendor/contractor not registered in the mandated Central Contractor Registry (CCR) system may be used in a purchase. Data field only exists in XML schema version 1.1 and later.	char(1)
Vendor Address Line 1	The first line of the street address for the contractor.	varchar (55)
Vendor Address Line 2	The second line of the street address for the contractor.	varchar (55)
Vendor Address Line 3	The third line of the street address for the contractor.	varchar (55)
Vendor Address City	The city of the contractor address.	varchar (35)
Vendor Address State	The state in the contractor address.	char(2)
Vendor Zip Code	The zip code in the contractor address.	varchar (10)
Vendor Country	The country code in the contractor address -- a three-letter abbreviation rather than the FIPS country code.	varchar (20)
Vendor Congressional District (Modified)	The Congressional District that the vendor's address falls within, in the form of a two-letter state abbreviation plus a two-digit number, as modified by USAspending.gov.	varchar (4)
Vendor Congressional District	The Congressional district of the contractor, as derived from the Zip+4 in the contractor address.	varchar (6)

Data Field	Description	Field Type
Vendor Site Code	Unknown meaning. Apparently not FIPS codes.	varchar (15)
Vendor Alternate Site Code	Unknown meaning. Apparently not FIPS codes.	varchar (15)
Vendor DUNS Number	The Dun & Bradstreet number of the vendor. This is used to link records to the Central Contractor Registry (CCR) and only exists for vendors in the CCR.	varchar (13)
Parent DUNS Number	The Dun & Bradstreet number of the common parent of the affiliated group if the contractor receiving the award is a member of an affiliated group of corporations that files its federal income tax returns on a consolidated basis.	varchar (13)
Vendor Phone Number	The phone number of the contractor.	varchar (20)
Vendor Fax Number	The fax number of the contractor.	varchar (20)
CCR Registration Date	Date the initial registration for the contractor was submitted to the CCR (Central Contractor Registry).	date
CCR Renewal Date	Date the contractor's registration in the CCR (Central Contractor Registry) will expire.	date
Parent ID	A unique ID assigned by USAspending.gov to each parent company, so that records can be grouped by parent company. Information defining which parent companies apply to which data records was supplied by Eagle Eye.	bigint(20)
Parent Company Name	Eagle-Eye provided data field. The parent company for the vendor, as supplied by Eagle Eye and in some cases modified by USAspending.gov.	varchar (100)

Principal Place of Performance (Award)

This section shows the principal place of performance of the award -- the place where most of the work was done.

Table 13: Contracts Data Dictionary - Principal Place of Performance

Data Field	Description	Field Type
Place Congressional District (Modified)	The Congressional District which was the primary place of performance for the contract (i.e. where the work took place) expressed as a two-letter state abbreviation plus a two-digit number, as modified by Eagle Eye and USAspending.gov.	varchar (4)
Place of Performance Code	The code from the combined FIPS Pub. 10 and FIPS Pub. 55 that identifies the place where the work is being performed.	varchar (5)
Place of Performance State	The U.S. state that is the principal place where the work was / is performed.	char(2)
Place of Performance Country	The country that is the principal place where the work was / is performed.	char(3)
Place of Performance Zip Code	The Zip code of the principal place where the work was / is performed. Data field exists only in XML schema version 1.2 and later.	varchar (10)
Place of	The Congressional district that is the principal place in which the work was / is	varchar (6)

Performance Cong. District	performed.	

Product or Service Information (Award)

This section shows information about the product or service purchased by the award.

Table 14: Contracts Data Dictionary - Product or Service Information

Data Field	Description	Field Type
Major Product or Service Code	The major category that the Federal Procurement Data System Product or Service Code for the record falls within. Data field created by USAspending.gov.	char(2)
Product or Service Code	The code that best identifies the product or service procured. If more than one code applies, then the code that represents most of the ultimate contract value is reported.	varchar (4)
DoD Program, System, or Equipment Code	Two codes that identify the program and weapons system or equipment purchased by a DoD agency. The first character is a number 1-4 that identifies the DoD component. The last 3 characters identify that component's program, system, or equipment.	varchar (4)
DoD Claimant Program Code	A claimant program number designates a grouping of supplies, construction, or other services. This data field may have a code from the DoD Procurement Coding Manual Section III, DoD Claimant Program Number.	char(3)
Principal NAICS Code	The principal North American Industry Classification System (NAICS) code (used to designate major sectors of the economies of Mexico, Canada, and the United States) that indicates the industry in which the contractor does business. NAICS Reference	varchar (6)
Information Technology Commercial Item Category	A code that designates the commercial availability of an information technology product or service.	char(1)
Govt. Furnished Equipment or Property	Indicates whether Government Furnished Equipment (GFE) or Government Furnished Property (GFP) used for the contract, pursuant to FAR 45.	
Use of EPA Designated Products	Indicates whether EPA approved products with a minimum recovered material content were used, or whether an exception was made.	char(1)
Recovered Material Clauses	Indicates whether Recovered Material Certification and/or Estimate of Percentage of Recovered Material Content for EPA-Designated Products clauses were included in the contract.	char(1)
Sea Transportation	Indicates whether the contractor anticipates that some of the supplies may be transported by sea.	char(1)
Contract Bundling Reason	Indicates that the value of the contract, including all options, is expected to exceed $5M as a result of consolidating separate small contracts into a single contract likely to be unsuitable for a small business concern, and the reason for bundling.	char(1)

Data Field	Description	Field Type
Consolidated Contract	Indicates whether the contract is a consolidated contract. This is only required if the Funding Agency or the contracting agency is a DoD Agency. Data field exists in XML schema version 1.2 and later only.	char(1)
Product Country of Origin	Identifies the country of origin of the product.	char(2)
U.S. Contract	When product has substantial foreign components or services are performed by foreign entities, this field indicates whether the contract is still technically a U.S. contract.	char(1)

Record Information (Award)

This section shows information about a Federal Procurement Data System award record, such as its identifying IDs, which IDV it links to, its fiscal year, its version, etc.

Table 15: Contracts Data Dictionary - Record Information

Data Field	Description	Field Type
Identifying Agency ID	This is a code for a governmental agency, but it does not necessarily represent the agency that issued the contract. Instead, it serves only as part of the unique identification for Federal Procurement Data System awards records.	varchar (4)
Procurement Instrument ID	A unique ID for each contract, agreement, or order. It is not a unique ID for Federal Procurement Data System records, since there can be more than one record for each contract, agreement, or order.	varchar (50)
Modification Number	An identifier that uniquely identifies a modification for a contract, agreement, or order.	varchar (25)
Transaction Number	Unique identifier for each transaction for a contracting action or modification. There can be more than one in situations such as when an action includes more than one contract type.	varchar (6)
Fiscal Year	The federal government fiscal year (starting September 1) in which the award or IDV record was reported.	smallint(6)
IDV Agency ID	This is a code for an agency, but it does not necessarily represent the agency that issued the contract. Instead, it serves as part of the unique identification for Federal Procurement Data System IDV records. For awards records, it partially identifies a linked IDV record.	varchar (4)
IDV Procurement Instrument ID	For an IDV record, this is a unique identifier for each contract, agreement, or order. For awards records, it partially identifies a linked IDV record.	varchar (50)
IDV Modification Number	For IDV records, uniquely identifies the modification of the contract, agreement, or order. For awards records, it partially identifies a linked IDV record.	varchar (25)
Solicitation ID	Identifier used to link transactions to solicitation information.	varchar (25)
XML Schema Version	The version of the XML schema (i.e., the data format) used to transmit the data record. XML formats before 1.2.1 do not include all data fields.	varchar (10)
Created By	An identifier for the person or role that created the Federal Procurement Data System record.	varchar (50)
Created Date	The date on which the Federal Procurement Data System record was created.	date

Data Field	Description	Field Type
Last Modified By	An identifier for the person or role at an agency who last modified the Federal Procurement Data System record (does not include modifications by Federal Procurement Data System staff).	varchar (50)
Last Modified Date	The date on which this Federal Procurement Data System record was last modified by someone at an agency (does not include modifications by Federal Procurement Data System staff).	date
Federal Procurement Data System Record Status	Equals F for Final for all records available to the public.	char(1)

Competition Information (Award)

This section shows information on how an award was competed.

Table 16: Contracts Data Dictionary - Competition Information

Data Field	Description	Field Type
Competition Category	The Extent Competed field, with code values regrouped into broader categories by USAspending.gov. Indicates whether the contract was competed or not.	char(1)
Extent Competed	A code that represents how the contract was competed.	char(3)
Reason Not Competed	A code for the reason the contract was not competed -- i.e., solicitation procedures other than full and open competition pursuant to FAR 6.3.	char(3)
Number of Offers Received	The number of actual offers/bids received in response to the solicitation.	smallint(6)
Pre-award Synopsis Requirement	Indicates whether the synopsis requirements of FAR Subpart 5.2 were followed.	char(1)
Synopsis Waiver Exception	Indicates participation in the SBA/OFPP Pilot Program that allows for waiver of the synopsis requirement in the FAR Subpart 5.2 when agencies acquire services with an anticipated value between $25,000 and $100,000 using small businesses set-asides.	char(1)
Alternative Advertising	Indicates whether the contracting officer used methods to advertise the requirement other than the advertising that is required by FAR 5.201 (currently, by using FBO.gov).	char(1)
Commercial Item Acquisition Procedures	Indicates whether the solicitation used the special requirements for the acquisition of commercial items intended to more closely resemble those customarily used in the commercial marketplace as defined by FAR Part 12.	char(1)
Commercial Item Test Program	Indicates whether the solicitation used Commercial Item Acquisition Procedures (FAR Part 12) and Simplified Acquisition Procedures (FAR Part 13.5) for acquisitions above the Simplified Acquisition Threshold and below $5,000,000.	char(1)
Small Business Compet. Demonstration Program	Indicates whether the contract was awarded to a U.S. business concern as a result of a solicitation issued on or after Jan 1, 1989 as part of the Small Business Competitiveness Program (FAR Part 19.10).	char(1)
A-76 (FAIR Act)	Indicates whether the contract action resulted from an A-76/Fair Act	char(1)

Data Field	Description	Field Type
Action	competitive sourcing process.	
Competitive Procedures	Data fields not extensively used in production and since disused, do not display.	char(3)
Solicitation Procedures	A code for the type of solicitation procedures used. Data field exists only in XML schema version 1.2 and later.	varchar (5)
Type of Set Aside	A code for the type of set aside determined for the contract action. Data field exists only in XML schema version 1.2 and later.	varchar (10)
Evaluated Preference	The type of preference determined for the contract action, reported when a contract was made pursuant to the socioeconomic program price evaluation preferences -- FAR 19.11 and FAR 19.13. Data field exists only in XML schema version 1.2 and later.	varchar (6)
Type of Research	A code used when the contract was awarded as part of a Small Business Innovation Research or Small Technology Transfer Research Program. Data field exists only in XML schema version 1.2 and later.	char(3)
Statutory Exception To Fair Opportunity	A code indicating a statutory exception to Fair Opportunity used awarding a non competitive task order or delivery order exceeding $2500.00 against an IDIQ contract. Data field exists only in XML schema version 1.2 and later.	char(3)

Contract Marketing Data (Award)

This section shows contract marketing data for an award -- whether a fee was paid for use of the IDV that the award was under.

Table 17: Contracts Data Dictionary - Contract Marketing Data

Data Field	Description	Field Type
Fee Paid For Use of IDV	Actual fee paid, in dollars, in order to use the IDV.	double(18,2)

Contractor Characteristics (Award)

This section shows characteristics of the contractor for an award, such as its size, its type, and a set of flags showing whether it is in various special categories.

Table 18: Contractor Characteristics

Data Field	Description	Field Type
Organizational Type	A code for the type of organization of the vendor.	varchar (30)
Number of Employees	The contractor's business size in terms of number of employees. Usually obtained from the CCR (Central Contractor Registry).	int(11)
Annual Revenue	The contractor's annual gross revenue, taken from an average of the last three years. Usually obtained from the CCR (Central Contractor Registry).	double
Small Business	Indicates whether the vendor is a small business.	char(1)
8A Firm	Indicates whether the vendor is an 8(a) Program Participant Organization.	char(1)
Hist. Underutilized	Indicates whether the vendor is a Historically Underutilized Business Zone	char(1)

Data Field	Description	Field Type
Business Zone (HUBZone) Firm	(HUBZone) Firm.	
Small Disadvantaged Business	Indicates whether the vendor is a Small Disadvantaged Business Organization.	char(1)
Sheltered Workshop (JWOD Provider)	Indicates whether the vendor is a Sheltered Workshop (JWOD Provider) Organization.	char(1)
Historically Black College or University	Indicates whether the vendor is a Historically Black College or University.	char(1)
Educational Institution	Indicates whether the vendor is an Educational Institution.	char(1)
Woman Owned Business	Indicates whether the vendor is a Woman Owned Business.	char(1)
Veteran Owned Business	Indicates whether the vendor is a Veteran Owned Business.	char(1)
Service Disabled Veteran Owned Firm	Indicates whether the vendor is a Service-Related Disabled Veteran Owned Business.	char(1)
Local Government	Indicates whether the vendor is a Local Government Organization.	char(1)
Minority Institution	Indicates whether the vendor is a Minority Institution.	char(1)
American Indian Owned Business	Indicates whether the vendor is an American Indian Owned Business.	char(1)
State Government	Indicates whether the vendor is a State Government Organization.	char(1)
Federal Government	Indicates whether the vendor is a Federal Government Organization.	char(1)
Minority Owned Business	Indicates whether the vendor is a Minority Owned Business.	char(1)
Asian-Pacific American Owned Business	Indicates whether the vendor is an Asian-Pacific American Owned Business.	char(1)
Tribal Government	Indicates whether the vendor is a Tribal Government Organization.	char(1)
Black American Owned Business	Indicates whether the vendor is a Black American Owned Business.	char(1)
Native American Owned Business	Indicates whether the vendor is a Native American Owned Business.	char(1)
Subcontinent Asian (Asian-Indian) American Owned Business	Indicates whether the vendor is a Subcontinent Asian (Asian- Indian) American Owned Business.	char(1)
Nonprofit Organization	Indicates whether the vendor is a Nonprofit Organization.	char(1)
Hispanic American Owned Business	Indicates whether the vendor is a Hispanic American Owned Business.	char(1)
Emerging Small Business	Indicates whether the vendor is an Emerging Small Business.	char(1)
Hospital	Indicates whether the vendor is a Hospital.	char(1)

Legislative Mandates (Award)

This section shows whether various legislative mandates apply to the award.

Table 19: Contracts Data Dictionary - Legislative Mandates

Data Field	Description	Field Type
Walsh-Healy Act	Indicates whether the transaction is subject to the Walsh-Healy Act (designed to prevent "bid brokering").	char(1)
Service Contract Act	Indicates whether the transaction is subject to the Service Contract Act (concerning payment of prevailing wage rates and fringe benefits to service employees).	char(1)
Davis-Bacon Act	Indicates whether the transaction is subject to the Davis-Bacon Act (concerning the payment of prevailing wages on public works projects).	char(1)
Clinger-Cohen Act	Indicates the funding office has certified that the information technology purchase meets the planning requirements in 40 USC 1422 and 1423.	char(1)
Other Statutory Authority	Indicates whether the transaction is subject to other statutory authority (i.e., legislation other than the Economy Act).	text

Preference Programs (Award)

This section shows whether various preference programs apply to the award.

Table 20: Contracts Data Dictionary - Preference Programs

Data Field	Description	Field Type
Business Size Determination	The Contracting Officer's determination of whether the contractor meets the small business size standard for award to a small business for the NAICS code that is applicable to the contract.	char(1)
Subcontracting Plan	A code for a type of subcontracting plan requirement (FAR Part 19.702).	char(1)
Price Evaluation Percent Difference	The percent difference between the award price and the lowest priced offer from a responsive, responsible non-HUBZone or non-SDB.	char(2)
Reason Not Awarded to Small Disadvantaged Business	If contract was not awarded to a Small Disadvantaged Business (SDB), this designates the reason.	char(1)
Reason Not Awarded to Small Business	If contract was not awarded to a small business, this designates a reason.	char(1)

NASA-Specific Data (Award)

This section shows a set of data elements that are only filled in for awards made by NASA. This section is only displayed in Complete detail reports.

Table 21: Contracts Data Dictionary - NASA Specific Data

Data Field	Description	Field Type

Data Field	Description	Field Type
Agency-Specific Data Agency ID	The code for the agency that uses agency-specific data elements in this data record.	varchar (4)
Proposal Number	NASA-specific data element. The identifying number assigned to the proposal by NSPIRES or other NASA entity. Allows tracking of proposals to awards.	varchar (18)
PR Number	NASA-specific data element. The identifying number that is assigned by the SAP system to a requisition.	varchar (12)
Closeout PR	NASA-specific data element. Indicator of a requisition that closes a procurement.	char(1)
Procurement Placement Code	NASA-specific data element. Indicator of a combination of CICA, set-aside, and socioeconomic data. The Procurement Placement Code (PPC) identifying the type of solicitation process used and the extent of competition obtained on the procurement.	char(2)
Solicitation Issue Date	NASA-specific data element. The date a solicitation is posted in FBO.gov or Grants.gov.	char(1)
Contract Administration Delegated	NASA-specific data element. Indicator of which contract admin functions have been delegated.	varchar (10)
Advisory / Assistance Services Contract	NASA-specific data element. Indicator of whether a contract is for advisory or assistance services.	char(1)
Support Services Type Contract	NASA-specific data element. Indicator of whether a contract is for support services.	char(1)
New Technology or Patent Rights Clause	NASA-specific data element. Indicator of whether a contract contains a New Technology or Patent Rights Clause.	char(1)
Management Reporting Requirements	NASA-specific data element. Indicator of whether a contract contains a requirement for contractors to provide cost/performance reports, and which reports are required.	char(1)
Property Financial Reporting	NASA-specific data element. Indicator of whether a contract contains a requirement for contractors to provide property reports.	char(1)
Value Engineering Clause	NASA-specific data element. Indicator of whether a contract contains a value engineering clause.	char(1)
Security Code	NASA-specific data element. Indicator of whether Defense Industrial Security clearances are required during contract performance.	char(1)
Administrator Code	NASA-specific data element. The code which identifies the individual at the contracting installation responsible for administration of the contract.	char(3)
Contracting Officer Code	NASA-specific data element. The code which identifies the contracting officer for the award.	char(3)
Negotiator Code	NASA-specific data element. The code which identifies the negotiator for the award.	char(3)
COTR Name	NASA-specific data element. The name of the contracting officer's technical representative for the award.	varchar (15)
Alternate COTR Name	NASA-specific data element. The name of the alternate contracting officer's technical representative for the award.	varchar (15)
Organization Code	NASA-specific data element. The organization code for the responsible technical organization to which the contract has been awarded.	varchar (5)

Data Field	Description	Field Type
Contract Fund Code	NASA-specific data element. Indicator of whether the contract is fully funded, incrementally funded, or not funded.	char(1)
Physically Complete	NASA-specific data element. Indicator of whether the work under the contract is complete.	char(1)
Date Physically Complete	NASA-specific data element. Date on which work under the contract has been completed.	char(1)
Installation Unique	NASA-specific data element. This field may be used at the discretion of individual NASA centers to collect data not elsewhere reported on the form.	varchar (9)
Funded Through Date	NASA-specific data element. For incrementally funded contracts, the date through which the contract is funded.	char(1)
Cancellation Date	NASA-specific data element. Cancellation date.	char(1)
Principal Investigator First Name	NASA-specific data element. The first name of the principal investigator -- the person proposed by a research institution or firm who bears the prime responsibility for overall technical direction of the work.	varchar (40)
Principal Investigator Middle Init.	NASA-specific data element. The middle initial of the principal investigator -- the person proposed by a research institution or firm who bears the prime responsibility for overall technical direction of the work.	varchar (6)
Principal Investigator Last Name	NASA-specific data element. The last name of the principal investigator -- the person proposed by a research institution or firm who bears the prime responsibility for overall technical direction of the work.	varchar (75)
Alternate Principal Investigator First Name	NASA-specific data element. The first name of the alternate person proposed by a research institution or firm who bears the prime responsibility for overall technical direction of the work.	varchar (40)
Alternate Principal Investigator Middle Init.	NASA-specific data element. The middle initial of the alternate person proposed by a research institution or firm who bears the prime responsibility for overall technical direction of the work.	varchar (6)
Alternate Principal Investigator Last Name	NASA-specific data element. The last name of the alternate person proposed by a research institution or firm who bears the prime responsibility for overall technical direction of the work.	varchar (75)
Field of Science or Engineering	NASA-specific data element. A code for the field of science or engineering in which a research project is being conducted.	char(2)
Final Invoice Paid Date	NASA-specific data element. The date that Finance issued payment for the final invoice.	char(1)
Accession Number	NASA-specific data element. The Federal Records Center number under which files for this procurement are archived.	varchar (20)
Destroy Date	NASA-specific data element. The date that files for this procurement can be destroyed.	char(1)
Accounting Installation	NASA-specific data element. Code identifying the field installation responsible for funding the procurement.	char(2)

Federal Assistance Data Dictionary

The tables below include the data fields from the copy of the Federal Assistance Awards Data System federal assistance database that USAspending.gov accesses. The "Field Type" column provides the type and size of the field.

Recipient Information

This section shows information about the recipient of the award, such as the name, location, and type of the recipient.

Table 22: Federal Assistance Data Dictionary - Recipient Information

Data Field	Description	Field Type
Recipient Name	The name of the recipient of the award.	varchar (45)
Recipient City Code	The five-digit FIPS city code for the city in the address of the recipient of the award.	varchar (5)
Recipient City Name	The city in which the address of the recipient of the award is located.	varchar (21)
Recipient County Code	The three-digit FIPS county code for the county in which the address for the recipient of the award is located.	char(3)
Recipient County Name	The county in which the address for the recipient of the award is located.	varchar (21)
Recipient State Code	The two-digit FIPS state code for the state or territory in which the address for the recipient of the award is located.	char(2)
Recipient State Name	The name of the state or territory in which the address for the recipient of the award is located.	varchar (25)
Recipient Zip Code	The Zip code in the address of the recipient of the award.	varchar (9)
Congressional District	The Congressional District of the recipient, modified by USAspending.gov to fix some bad data and to use a 2-letter state followed by 2 digit format. 90 means not known, 00 means at large or statewide, 98 means nonvoting, 99 means no representative.	varchar (4)
Recipient Congressional District	The Congressional district in which the address of the recipient of the award is located. 90 indicates district not known, 00 at-large or statewide, 98 nonvoting, 99 no representative.	char(2)
Recipient Category	The original Federal Assistance Awards Data System recipient type code, modified by USAspending.gov into a set of broader categories (government, individual, nonprofit, for profit, higher ed, other).	char(1)
Recipient Type	The type of recipient (i.e., state government, local government, Indian tribe, individual, small business, for-profit, nonprofit, etc.)	char(2)
Recipient Address Line 1	Recipient 's Full address Line 1	char(35)
Recipient Address Line 2	Recipient 's Full address Line 2	char(35)
Recipient Address Line 3	Recipient 's Full address Line 3	char(35)
Recipient DUNS	Unique nine-digit number issued by Dun & Bradstreet to the Agency. Followed	char(13)

Data Field	Description	Field Type
Number	by optional DUNS Plus 4 which allows an agency to submit different bank account data for a single DUNS (Assigned by Dun & Bradstreet)	
Dun & Bradstreet Confidence Code	Optional data field to enter the D&B Confidence Code received for validated DUNS data (As provided to agencies by Dun & Bradstreet when obtaining DUNS). OMB encourages Agencies to submit this code with their file submissions to affirm the accuracy of data validated through the D&B process.	char(2)

Project and Award Info

This section shows information about which agency granted the award under what governmental program, and provides some ID numbers for the award.

Table 23: Federal Assistance Data Dictionary - Project and Award Info

Data Field	Description	Field Type
Major Agency	The original Federal Assistance Awards Data System agency code, modified by USAspending.gov to show the major agency giving out the award. Major agencies are generally departments of the government. All minor agencies are listed within a general category.	char(2)
Agency Code	A code indicating which governmental agency or bureau provided the award.	varchar (4)
Agency Name	The name of the governmental agency or bureau that provided the award.	varchar (72)
Federal Award ID	An agency-specific unique ID number for each individual assistance award. There may be more than one action record per assistance award, because of continuations, revisions, funding adjustments, corrections, etc.	varchar (16)
Federal Award ID Modification	A modification number used to indicate action records that modify a previous action record with the same federal award ID.	varchar (4)
State Application ID Number	A number assigned by state (as opposed to federal) review agencies to the award during the grant application process.	varchar (20)
CFDA Program Number	The numeric code that indicates the program under which this award was funded within the Catalog of Federal Domestic Assistance (CFDA). Numbers that contain AAA, AAB etc. are pseudo-codes and are not in CFDA.	varchar (7)
CFDA Program Title	The title of the program under which the award was funded, taken from the Catalog of Federal Domestic Assistance (CFDA).	varchar (74)
Assistance Category	The original Federal Assistance Awards Data System assistance type code, modified by USAspending.gov into a set of broader categories (direct grants, loans, insurance, etc.)	char(1)
Assistance Type	The type of assistance provided by the award: whether it is a grant, cooperative agreement, direct payment, loan, insurance, etc.	char(2)
Program Source/Treasury Account Symbol: Agency Code	Agency Code part (First 2 characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (2)
Program	Account Code part (3rd to 6th characters) of Treasury Account Symbol (9	varchar (4)

Data Field	Description	Field Type
Source/Treasury Account Symbol: Account Code	characters) assigned by U.S. Department of Treasury	
Program Source/Treasury Account Symbol; Sub-Account Code (OPTIONAL)	Sub-Account Code part (7th to 9th characters) of Treasury Account Symbol (9 characters) assigned by U.S. Department of Treasury	varchar (3)

Action

This section shows a detailed action taken under the award -- an amount of money granted or subtracted, the dates involved, the fiscal quarter, and the type of action.

Table 24: Federal Assistance Data Dictionary - Action

Data Field	Description	Field Type
Fiscal Year	The fiscal year in which the award occurred. It may be different from the fiscal year of the award record if the record is a late filing or correction of an amount for a prior fiscal year. Data field added by USAspending.gov.	smallint(6)
Fiscal Year / Quarter	The fiscal year and fiscal year quarter for this record, with the first four digits being the year, the fifth the quarter.	varchar (5)
Action Type	The type of action for the record: whether it is a new assistance action, a continuation, a revision, or a funding adjustment.	char(1)
Federal Funding Amount	Amount of federal government's obligation or contingent liability, in dollars. A negative number represents a decrease in funding.	int(11)
Non-Federal Funding Amount	Amount of non-federal funding, in dollars. A negative number represents a decrease in funding.	int(11)
Total Funding Amount	The total federal plus non-federal funding amount in dollars. A negative number represents a decrease in funding.	int(12)
Face Value of Direct Loan/Loan Guarantee	The face value of the direct loan or loan guarantee	bigint(16)
Original Subsidy Cost of the Direct Loan/Loan Guarantee	The original subsidy cost of the direct loan or loan guarantee	bigint(16)
Recovery Designation	If agencies cannot ensure the Program Source/Treasury Account Symbol (TAS) is sufficient to segregate Recovery Act funding from non-Recovery Act funding in their FAADS PLUS submission, agencies must include a 3 digit code at the end of their FAADS PLUS file (following Original Subsidy Cost of the Direct Loan/Loan Guarantee), with the following values: • NON: Indicates the transaction does not utilize Recovery Act funds.	char(3)

Data Field	Description	Field Type
	• REC: Indicates the transaction utilizes Recovery Act funds	
Obligation / Action Date	Obligation or action date for the award.	date
Starting Date	The starting date for the award.	date
Ending Date	The ending date for the award.	date
Record Type	Federal Assistance Awards Data System record type: 1 = county aggregate record, 2 = individual action record	char(1)
Correction / Late Indicator	Indicates that the action record is either a correction of a record from a previous quarter or a late reported record from a previous quarter. The previous quarter is indicated in the Corrected Fiscal Year / Quarter data field.	char(1)
Corrected Fiscal Year / Quarter	The fiscal year (first four digits) and quarter (fifth digit) of the previous fiscal year and quarter that this record corrects, or which it is a late report for.	varchar (5)

Principal Place

This section shows the principal place of performance of the activity supported by the award.

Table 25: Federal Assistance Data Dictionary - Principal Place

Data Field	Description	Field Type
Principal Place Code	A code for the principal place of performance for the award. The first two digits are the state FIPS code, the next five the county FIPS (three digits followed by **) or city FIPS code. 00***** = multi-state, 00FORGN = foreign country.	varchar (7)
Principal Place State	The state or territory name of the principal place of performance for the award.	varchar (25)
Principal Place County or City	The city or county name of the principal place of performance for the award.	varchar (25)
Principal Place of Performance Zip Code	The 9 digit zip code (zip+4) of the principal place of performance for the award.	varchar (9)
Principal Place of Performance Congressional District	The Congressional District of the principal place of performance for the award.	varchar (2)

Agency-Wide Recovery Plan

In order to comply with the objectives of the American Recovery and Reinvestment Act of 2009, Federal agencies must submit an agency-wide recovery plan that describes both broad Recovery Act goals and the agency coordinating efforts toward successful implementation and monitoring. In order to support this requirement, the following data should be provided by Federal agencies receiving funds made available by the American Recovery and Reinvestment Act of 2009.

Table 26: Agency-Wide Recovery Plan

Agency-Wide Recovery Plan Data: **(Based on Recovery Act Guidance)**		
Data Elements	**Source of Requirement**	**Source of Record**
Agency ID	OMB Guidance	Agency
Agency Name	OMB Guidance	Agency
Recovery Goals	OMB Guidance	Agency
Agency Coordination, Oversight, and Performance Assurance Details	OMB Guidance	Agency
List of Recovery Programs within Agency	OMB Guidance	Agency
Apportionment Titles within the Agency	OMB Guidance	Agency
Amount of Funds within each Apportionment Title	OMB Guidance	Agency
Expected savings (e.g., from energy efficient buildings) related to implementing the Recovery Act	OMB Guidance	Agency
Expected future costs (e.g., having to maintain new facilities) related to implementing the Recovery Act	OMB Guidance	Agency

Program-Specific Recovery Plan

In order to comply with the objectives of the American Recovery and Reinvestment Act of 2009, Federal agencies must submit a program-specific recovery plan that provides a summary of the specific recovery and reinvestment projects and activities planned. These separate plans are required for each Recovery Act program specifically named in the legislation and corresponding to new Treasury accounts established. In order to support this requirement, the following data should be provided by Federal agencies receiving funds made available by the American Recovery and Reinvestment Act of 2009.

Table 27: Program-Specific Recovery Plan

Program-Specific Recovery Plan Data: **(Based on Recovery Act Guidance)**		
Data Elements	**Source of Requirement**	**Source of Record**
Funding Table: agency funding listed by program, project, and activity categories, as possible. Funds returned to the program or any offsetting collections received as a result of carrying out recovery actions are to be specifically identified.	OMB Guidance	Agency
Objectives: a general Recovery Act description of the program's recovery and reinvestment objectives and relationships with corresponding goals and objectives through on-going agency programs/activities. Expected public benefits should demonstrate cost-effectiveness and be clearly stated in concise, clear and plain language targeted to an audience with no in-depth knowledge of the program. To the extent possible, recovery goals should be expressed in the same terms as programs' goals in departmental GPRA	OMB Guidance	Agency

Program-Specific Recovery Plan Data: (Based on Recovery Act Guidance)		
Data Elements	**Source of Requirement**	**Source of Record**
strategic plans.		
Activities: kinds and scope of activities to be performed (e.g. construction, provision of services, conduct of research and development, assistance to governmental units or individuals, etc.)	OMB Guidance	Agency
Characteristics: types of financial awards to be used (with estimated amount of funding for each), targeted type of recipients, beneficiaries and estimated dollar amounts of total recovery funding for Federal in-house activity, non-federal recipients and methodology for award selection	OMB Guidance	Agency
Delivery Schedule: schedule with milestones for major phases of the program's activities (e.g. the procurement phase, planning phase, project execution phase, etc., or comparable) with planned delivery date(s)	OMB Guidance	Agency
Environmental Review Compliance: description of the status of compliance with National Environmental Policy Act, National Historic Preservation Act, and related statutes.	OMB Guidance	Agency
Savings or costs: expected increases or reductions in future operational costs (e.g., savings due to energy efficient facilities or increased operational costs as a result of having more buildings to manage and maintain).	OMB Guidance	Agency
Measures: expected quantifiable outcomes consistent with the intent and requirements of the legislation and the risk management requirements of Section 3.5, with each outcome supported by a corresponding quantifiable output(s) (in terms of incremental change against present level of performance of related agency programs or projects/activities specified in the plan) – agencies must specify the length of the period between measurements (e.g., monthly, quarterly), the measurement methodology, and how the results will be made readily accessible to the public. The measures currently used to report programs' performance in relationship to these goals (consistent with Administration policy) should be retained. In addition to reducing burden on grant recipients and contractors, use of existing measures will allow the public to see the marginal performance impact of Recovery Act investments.	OMB Guidance	Agency
Monitoring/Evaluation: description of the agency process for periodic review of program's progress to identify areas of high risk, high and low performance, and any plans for longer term impact evaluation	OMB Guidance	Agency
Transparency: description of agency program plans to organize program cost and performance information available at all recipient levels	OMB Guidance	Agency
Accountability: description of agency program plans for holding managers accountable for achieving recovery program goals and improvement actions identified	OMB Guidance	Agency
Barriers to Effective Implementation: a list and description of statutory and regulatory requirements, or other known matters, which may impede effective implementation of Recovery Act activities and proposed solutions to resolve by	OMB Guidance	Agency

Program-Specific Recovery Plan Data: (Based on Recovery Act Guidance)		
Data Elements	**Source of Requirement**	**Source of Record**
a certain date		
Federal Infrastructure Investments: a description of agency plans to spend funds effectively to comply with energy efficiency and green building requirements and to demonstrate Federal leadership in sustainability, energy efficiency and reducing the agency's environmental impact	OMB Guidance	Agency

Recipient Report (Quarterly)

The Recovery Act requires extensive reporting from recipients of Federal funding. The Recovery Act defines "recipient" as any entity that receives Recovery Act funds directly from the Federal Government (including Recovery Act funds received through grant, loan, or contract) other than an individual and includes a State that receives Recovery Act funds. See Section 1512 of the Recovery Act.

These requirements apply to:

- Prime recipients. Reporting requirements only apply to the prime non-Federal recipients of Federal funding, and the sub-awards (i.e., sub-grants, subcontracts, etc.) made by these prime recipients. They do not require each subsequent sub-recipient to also report. For instance, a grant could be given from the Federal government to State A, which then gives a sub-grant to City B (within State A), which hires a contractor to construct a bridge, which then hires a subcontractor to supply the concrete. In this case, State A is the prime recipient, and would be required to report the sub-grant to City B. However, City B does not have any specific reporting obligations, nor does the contractor or subcontractor for the purposes of reporting for the Recovery.gov website. All recipients of Federal funds must continue to comply with existing agency and program reporting requirements.

- Only recipients receiving awards funded through discretionary appropriations. These reporting requirements only apply to non-Federal recipients who receive funding provided through discretionary appropriations. The reporting requirements do not apply to funding received through entitlement or other mandatory programs, except as specifically required by OMB.

Table 28: Recipient Report (Quarterly)

Recipient Report Data: (Based on Recovery Act and FFATA Legislation)		
Data Elements	**Source of Requirement**	**Source of Record**
Recipient DUNS Number	OMB Guidance	Prime Recipient
Identifying Agency ID (to link back to contract award)	OMB Guidance	Award
Procurement Instrument ID (to link back to contract award)	OMB Guidance	Award
Modification Number (to link back to contract award)	OMB Guidance	Award
Transaction Number (to link back to contract award)	OMB Guidance	Award
Major Agency (to link back to financial assistance award)	OMB Guidance	Award

Recipient Report Data: **(Based on Recovery Act and FFATA Legislation)**		
Data Elements	**Source of Requirement**	**Source of Record**
Agency Code (to link back to financial assistance award)	OMB Guidance	Award
Agency Name (to link back to financial assistance award)	OMB Guidance	Award
Federal Award ID (to link back to financial assistance award)	OMB Guidance	Award
Federal Award ID Modification (to link back to financial assistance award)	OMB Guidance	Award
State Application ID Number (to link back to financial assistance award)	OMB Guidance	Award
Total amount of recovery funds received from that agency	Recovery Act	Prime Recipient
Amount of recovery funds received that were obligated or expended to projects or activities	Recovery Act	Prime Recipient
Unobligated Allotment balances	Recovery Act	Prime Recipient
Project/Activity: Name	Recovery Act	Prime Recipient
Project/Activity: Description	Recovery Act	Prime Recipient
Project/Activity: Evaluation of the completion status	Recovery Act	Prime Recipient
Project/Activity: Estimate of the number of jobs created and the number of jobs retained	Recovery Act	Prime Recipient
Project/Activity (if state/local infrastructure): Purpose	Recovery Act	Prime Recipient
Project/Activity (if state/local infrastructure): Total Cost	Recovery Act	Prime Recipient
Project/Activity (if state/local infrastructure): Rationale of the agency for funding the infrastructure investment	Recovery Act	Prime Recipient
Project/Activity (if state/local infrastructure): Contact Name	Recovery Act	Prime Recipient

In addition to the data in the table above, the prime recipient will be required to provide data on each of the sub-awards that it has provided as either sub-contracts or sub-financial assistance (sub-grants, sub-loans). The data fields required for this sub-award transparency and reporting are the same data fields previously listed in this document under the heading "Award-Level Reporting".

Federal Solicitation Data

The American Recovery and Reinvestment Act of 2009 requires that Recovery.gov include links to contract and financial assistance solicitations. Contract solicitations will be published through the Federal Business Opportunities website (www.fbo.gov) and Federal financial assistance solicitations will be published through Grants.gov. The legislation does not state any specific data field requirements for contract or financial assistance solicitations to be presented on Recovery.gov.

The data specifications below are from FBO.gov however they are presented here as just some of the FBO.gov data fields. It is not expected that these data elements will be redundantly stored within the Recovery.gov solution but rather they will be accessed for presentment as specified in the technology solution. Note that the fields below are from the Combined Synopsis/Solicitation Notice template used to publish both a notice (synopsis) and a solicitation in a single FBO submission for commercial items, as defined by the FAR (Sub Parts 5.202 & 12.603). This is just one of several sets of potential FBO.gov data templates. Agencies will not be required to send this data to Recovery.gov as the source data at FBO.gov will be utilized.

Table 29: Federal Contract Solicitation Data

Federal Contract Solicitation Data (Based on https://www.fbo.gov/index?static=interface&ss=Combined&s=generalinfo&mode=list&tab=list&tabmode=list)		
Data Elements	**Field in System of Record**	**Physical Specifications in the System of Record**
Month and day synopsis is submitted	<DATE>(required data)	MMDD
Year synopsis is submitted	<YEAR>(Required Data)	YY
User ID for the Office Location. Assigned/managed by your location Administrator.	<CBAC>*(Required Data)	string
Password. Assigned/managed by your location Administrator.	<PASSWORD>*(Required Data)	string
The Contracting Office's ZIP code	<ZIP>(Required Data)	5 Digits
Either one alphabetic code or a two-digit code for service or supply that the synopsis should be listed under.	<CLASSCOD>*(Required Data)	Valid classification code (FAR, Section 5.207(g))
Six-digit code for service or supply that the synopsis would be listed under	<NAICS>*	Valid NAICS Code NAICS Reference
The complete address of the contracting office	<OFFADD>	Up to 65535 characters
The classification code, two hyphens, and a brief title description of the synopsis.	<SUBJECT>(Required Data)	Up to 255 characters
Unique reference number for the solicitation	<SOLNBR>*(Required Data)	Up to 128 characters from the set: a-z A-Z 0-9 - _ ( ) { }
Response deadline date	<RESPDATE>	MMDDYY
The date when this notice will be archived. *Default - 15 days after the deadline*.	<ARCHDATE>	MMDDYYYY
The names and phone numbers of officials to contact in regard to this synopsis. If there are two points of contact, their information shall be separated by semicolon	<CONTACT>(Required Data)	Up to 65535 characters
A narrative description of the procurement action.	<DESC>	Up to 65535 characters
A structural tag	<LINK>	No data required or accepted
The Government agency's URL that will be listed with this award.	<URL>	Up to 255 characters, consist of a restricted set of characters (see URL specification -

Federal Contract Solicitation Data (Based on https://www.fbo.gov/index?static=interface&ss=Combined&s=generalinfo&mode=list&tab=list&tabmode=list)		
Data Elements	**Field in System of Record**	**Physical Specifications in the System of Record**
		RFC 2396)
Visible hypertext description provided to the user for linking to the related site	<DESC>	Up to 255 characters
A structural tag	<EMAIL>	No data required or accepted
The Government agency contact's email address	<ADDRESS>	Up to 128 characters
Visible hypertext description provided for linking to the Government agency contact's email	<DESC>	Up to 255 characters
Identify set-aside acquisitions.	<SETASIDE>	Valid values: 'Partial Small Business', 'Partial HBCU', 'Service-Disabled Veteran-Owned', 'Total HUB-Zone', 'Total Small Business', 'Veteran-Owned Small Business', 'Total HBCU', 'Partial HUB-Zone', '8a Competitive', 'Emerging Small Business'
Place of performance address	<POPADDRESS>	Up to 65535 characters
Place of performance ZIP code	<POPZIP>	Up to 5 digits
Place of performance country	<POPCOUNTRY>	Up to 32 characters

Grants.gov is the source of record for Federal financial assistance information to Recovery.gov. The data details below are intended to provide easy access to details about the data structures on Grants.gov. It is not expected these data elements will be redundantly stored within the Recovery.gov solution. Agencies will not be required to send this data to Recovery.gov as the source data at Grants.gov will be utilized.

Table 30: Federal Grant Solicitation Data

Federal Grant Solicitation Data: (Based on Grants.gov)		
Data Elements	**Source of Requirement**	**Source of Record**
Document Type	Grants.gov	Grants.gov
Funding Opportunity Number	Grants.gov	Grants.gov
Opportunity Category	Grants.gov	Grants.gov
Posted Date	Grants.gov	Grants.gov
Creation Date	Grants.gov	Grants.gov
Current Closing Date for Applications	Grants.gov	Grants.gov
Archive Date	Grants.gov	Grants.gov
Funding Instrument Type	Grants.gov	Grants.gov
Category of Funding Activity	Grants.gov	Grants.gov
Category Explanation	Grants.gov	Grants.gov
Expected Number of Awards	Grants.gov	Grants.gov
Estimated Total Program Funding	Grants.gov	Grants.gov
Award Ceiling	Grants.gov	Grants.gov
Award Floor	Grants.gov	Grants.gov
CFDA Number(s)	Grants.gov	Grants.gov
Cost Sharing or Matching Requirement	Grants.gov	Grants.gov
Eligible Applicants	Grants.gov	Grants.gov
Additional Information on Eligibility	Grants.gov	Grants.gov
Agency Name	Grants.gov	Grants.gov
Description	Grants.gov	Grants.gov
Link to Full Announcement	Grants.gov	Grants.gov
Contact	Grants.gov	Grants.gov

State/Local Infrastructure Certifications

The American Recovery and Reinvestment Act of 2009 requires that in the case of infrastructure investments, state and local agencies must issue a certification from the Governor mayor, or other chief executive, as appropriate, that the infrastructure investment has received the full review and vetting required by law and that the chief executive accepts responsibility that the infrastructure investment is an appropriate use of taxpayer dollars. A State or local agency may not receive infrastructure investment funding from funds made available in this Act unless this certification is made.

Table 31: State/Local Infrastructure Certifications

State/Local Infrastructure Certifications Data:		
Data Elements	**Source of Requirement**	**Source of Record**
Agency Name	OMB Guidance	State/Local Agency

State/Local Infrastructure Certifications Data:		
Data Elements	**Source of Requirement**	**Source of Record**
Agency Address	OMB Guidance	State/Local Agency
Investment Name	OMB Guidance	State/Local Agency
Contract ID or Financial Assistance ID	OMB Guidance	State/Local Agency
Investment Contact Name	OMB Guidance	State/Local Agency
Investment Contact Phone Number	OMB Guidance	State/Local Agency
Investment Contact Email Address	OMB Guidance	State/Local Agency
Description of Investment	Recovery Act	State/Local Agency
Estimated Total Cost	Recovery Act	State/Local Agency
Amount of Covered Funds to be Used	Recovery Act	State/Local Agency
Statement of Certification	Recovery Act	State/Local Agency
Signature	Recovery Act	State/Local Agency
Signee Name	Recovery Act	State/Local Agency
Signee Title	Recovery Act	State/Local Agency
Date of Signature	Recovery Act	State/Local Agency