**Solution Architecture: Obtain Submittal Plan Approval**

As of: 7/6/2015

The following Unified Modeling Language (UML) Use Case Model's purpose is to identify important functional specifications for the interface between AMANDA and ProjectDox. The interfaces are colored green in the following sequence diagrams. Blue labels identify potential project status changes depending where the project is in the process. There are essentially three important consuming interfaces identified to include ProjectDox: createNewApplicationProject, ProjectDox: updateProjectInfo and AMANDA: updateProjectInfo. The updateProjectInfo interface methods are very similar to each other and attribute transformation occurs at the city's enterprise service bus, IBM Integration Bus (IIB). Text highlighted in green represent message specifications from Amanda to ProjectDox - text highlighted in purple represent message specifications from ProjectDox to Amanda.

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/UCD.jpg> **Use Case Diagram: Obtain Submittal Plan Approval** |

**Scope:** An Applicant uses an AMANDA provided Web portal to intake ProjectApplication information indicating a ProjectType. AMANDA processes the submission and informs PorjectDox of project vitals necessary to allow Applicant to submit applicable ProjectType documents to ProjectDox. Continuously throughout the process, AMANDA and ProjectDox provide status message information to each other indicating various states in the process such as INTERNET PENDING, AWAITING UPLOAD, etc. Note: See logical data model. Intake Staff review the Project Application to either INTAKE REJECT or INTAKE ACCEPT the Project Application. If fees are required, AMANDA processes Customer Billing, notifies the Applicant and awaits for a FEE PAID indication. If not required or indication of FEE PAID, ProjectDox adds ProjectApplication MasterLocator to the IntakeQueue for the Plan Coordinator to establish the required Reviewers. Once the Plan Coordinator establishes the required Reviewers, ProjectDox informs AMANDA of the required Reviewers from the ReviewerList. AMANDA informs ProjectDox of important dates. If a review is required, the identified Reviewers review and comment on the submitted plan documents and indicate APPROVED, REJECTED, NO REVIEW REQUIRED. Reviewers may add or change selected Reviewers on the ReviewerList. When not approved by all Reviewers, the Plan Coordinator processes the MasterCommentReport and ProjectDox, notifies the Applicant and sets ProjectStaus to AWAITING UPDATE. The Applicant uploads corrected documents and the cycle continues until either APPROVED or ready to move into the next cycle (i.e., PREREQUISITE REVIEW PENDING / CC PENDING / IN E-REVIEW). Once APPROVED AND RELEASED, the Plan Coordinator uses ProjectDox to stamp the project documents and ProjectDox notifies the Applicant of approval and document download instructions.

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/LDM.jpg> **Logical Data Model** |

**ESB Transformation Table**

| **Amanda** | **ProjectDox** | **Notes** |
| --- | --- | --- |
| ~~folder.folderName~~ folder.ReferenceFile | permitNumber | Same as Project Name on entry form for ProjectDox |
| ~~folder.ReferenceFile~~ folder.folderName +folder.folderDescription | permitDescription | PermitDescription is limited to 150 characters - include all of folder.ReferenceFile and cut off folder.folderDescription to achieve 150 char limit |
| people.emailAddress | submitterEmail | SubmitterEmail varchar(80) |
| people.nameFirst | submitterFName | SubmitterFName varchar(50) |
| people.nameLast | submitterLName | SubmitterLName varchar(50) |
| "ePlanReview@austintexas.gov" | ownerEmail | OwnerEmail varchar(80) |
| validlookup.lookup2 | projectType | Amanda info fields and sub/work type combination to read lookup project type from table - varchar(50) |
| property.propertyName | location |  |
| folder.folderRSN | pager | Repurpose unused Pager field in ProjectDox |
| folderprocess.processCode | department | Used to store the Amanda process code |
| folder.referenceFile6 | projectDoxID |  |
| folderprocess.assisgnedUser | reviewer |  |
| folder.statusCode | projectStatus |  |
| folderprocessattempt.resultCode | taskStatus |  |
| folderprocess.scheduledEndDate | taskDueDate |  |
| folderinfo.infocode | projectEndDate | Info code 61250 application expiration date |
| folderprocessattempt.attemptDate | completed |  |
| attachment.dospath | directoryPath | Path location to the specified files |

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/AM.jpg> **Interaction Overview: Obtain Submittal Plan Approval** |

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/01SD.jpg> **Sequence Diagram: 1. Perform Intake** |

| **Category/Interface** | **Description** |
| --- | --- |
| Amanda/ submitNewProjectApplication | The Applicant logs into the AMANDA Portal (assuming they're pre registered), and submits a ProjectApplication for electronic plan review. The AMANDA portal uses an online questionnaire the Applicant traverses to aid the system in determining the ProjectType. AMANDA also provides a direct path to the specific ProjectApplication for more experienced Applicants. The system asks the Applicant questions such as: "Is this a telecom project?" (finished if 'no'). "Is This a Capitol Improvement Project?", "Is this a utility line?" (finished if 'yes'), "Does the project cross any Right of Way?", "Is this a Commercial Plan being submitted?", "Is this a Shell?", "Is this multi-family?". These questions lead Applicant to the correct form - the form information is used by AMANDA to establish ProjectDoxApplicationInfo. |
| Amanda/ createTrackingNumber | The first message AMANDA sends to ESB for ProjectDox is a message to create a new Project in ProjectDox. NewFolderFee Procedure triggers this message, which calls customer procedure COA\_ProjectDox\_CreateNewProject (argFolderRSN).  This procedure passes the following data to ESB for ProjectDox:   |  |  | | --- | --- | | **AMANDA** | **ProjectDox** | | Folder.FolderRSN | Populates Pager in ProjectDox | | ValidLookup.LookupString2 WHERE ValidLookup.LookupCode = 99055 and ValidLookup.LookupString = FolderType and ValidLookup.Lookup2 = SubCode and ValidLookup.Lookup3 = WorkCode | Populates ProjectType in ProjectDox | | SUBSTR(~~Folder.ReferenceFile~~folder.folderName||' '||Folder.FolderDescription,1,150) | Populates PermitDescription in ProjectDox | | ~~Folder.FolderName~~folder.referenceFile | Populates PermitNumber in ProjectDox | | People.NameFirst FROM People WHERE FolderPeople.FolderRSN = Folder.FolderRSN and People.PeopleRSN = FolderPeople.PeopleRSN and FolderPeople.PeopleCode = 3 | Populates SubmitterFName in ProjectDox | | People.NameLast FROM People WHERE FolderPeople.FolderRSN = Folder.FolderRSN and People.PeopleRSN = FolderPeople.PeopleRSN and FolderPeople.PeopleCode = 3 | Populates SubmitterLName in ProjectDox | | People.EmailAddress FROM People WHERE FolderPeople.FolderRSN = Folder.FolderRSN and People.PeopleRSN = FolderPeople.PeopleRSN and FolderPeople.PeopleCode = 3 | Populates SubmitterEmail in ProjectDox | | Property.PropertyName FROM Property WHERE Property.PropertyRSN = Folder.PropertyRSN | Populates Location in ProjectDox | | Folder.StatusCode | The default status for the new project in ProjectDox is 'AWAITING UPLOAD' |   AMANDA uses the information from the Web Portal 2 project application to create a case and assign a CaseNumber. AMANDA creates a FolderRSN (folder.folderRSN) and while project application is in creation stage, its project status (folder.folderStatus) is 'APPLICATION INCOMPLETE'. When createNewApplicationProject is consumed by ProjectDox, the folder status (folder.folderStatus) is 'INTERNET PENDING'. Based on the project application, ProjectDox consumes a ProjectType (validlookup.lookup2) designation to determine template required. |
| ProjectDox/ createNewApplicationProject | AMANDA provides ProjectDox unique AMANDA Folder RSN (repurpose unused Pager field in ProjectDox) associated with the project, [a case number?], pertinent application data (ProjectDoxApplicationInfo) and returns a unique ProjectDoxID associated with the project. ProjectDox creates a project instance, and establishes a temporary applicant login. Prerequisite review flags (245 Eligibility, Health, IW, etc.) should be passed here. |
| ProjectDox/ notifyApplicantOfProjectLinks | Based on values in the AMANDA ProjectDoxApplicationInfo, ProjectDox creates a Notification to the Applicant with the ProjectDoxTrackingNo, Project Name [folder.folderName], as well as a URL and temporary login credentials to access ProjectDox. ProjectDox creates an account based on the email address from the ProjectDoxApplicantInfo. If the email address is not already registered, ProjectDox creates a new account. If the email address already exists in the system, ProjectDox adds the new project to the account. ProjectDox uses the ProjectType to establish the routing template (ReviewerList) and the required cycles (i.e., PREREQUISITE REVIEW PENDING / CC PENDING / IN E-REVIEW). For email failure Amanda is notified that status is changed 'AWAITING UPLOAD'. |
| Amanda/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or PorjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |
| ProjectDox/ storeProjectDocuments | The Applicant uses their email address to log into the system using a link provided by ProjectDox and chooses the project to upload documents. Using the system, the Applicant uploads required documents. Once the Applicant has uploaded all of their documents, they select the UPLOAD COMPLETE within the ProjectDox provided Web interface, indicating all documents have been added to the project for review. Otherwise, the system provides a means to continue document uploads until UPLOAD COMPLETE status indicating all documents added for project review. |
| ProjectDox/ setProjectToPermitTypeCheck | After the Applicant uploads all required documents and selects UPLOAD COMPLETE, ProjectDox changes status to INTAKE PENDING and triggers task for Intake Staff to review the submitted ProjectApplication. |
| Amanda/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or ProjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |
| Amanda/ reviewApplication | The Intake Staff uses AMANDA to the review ProjectApplication for completeness and accuracy. |
| ProjectDox/ reviewDocumentation | The Intake staff uses ProjectDox to examine each uploaded document to verify the presence of documents required for the specific ProjectType. For GPC projects folder status (folder.folderStatus) is INTAKE ACCEPTED. For non GPC projects if accepted, folder status changes to PREREQUISITE REVIEW PENDING / CC PENDING / IN E-REVIEW, as applicable for next phase, depending on template type. If documentation is incomplete, Intake Staff provide ReviewerComments associated with any rejection concerns. If all required documentation is present, INTAKE ACCEPTED ProjectApplication in ProjectDox. If documentation is incomplete, indicate INTAKE REJECTED using ProjectDox. |
| ProjectDox/ notifyApplicant | ProjectDox creates a ReviewComments to notify the Applicant with the case number, case name, project name and relevant project information. The ReviewerComments includes comments describing the reason for Application rejection and possible corrective actions. |

ProjectDox updates AMANDA Folder.FolderStatus based on various steps in the Intake Review. The first message sent from ProjectDox to AMANDA is a folder status change to 'AWAITING UPLOAD'. When the applicant finishes uploading all documentation and drawings for the project, a message from ProjectDox to AMANDA to change the folder status to 'INTAKE PENDING'. If staff reject the information uploaded by the applicant, a message is sent from ProjectDox to AMANDA to change the folder status to 'INTAKE REJECTED'. If staff accept the information uploaded by the applicant, a message is sent from ProjectDox to AMANDA to change the folder status to 'INTAKE ACCEPTED'. Once 'INTAKE ACCEPTED', AMANDA enters the Process Billing.

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/02SD.jpg> **Sequence Diagram: 2. Process Billing** |

| **Category/Interface** | **Description** |
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| Amanda/ overRideFee | There may be circumstances where the Plan Coordinator over-rides the system to indicate payment not required when in fact a payment is due. An approved Plan Coordinator may over-ride AMANDA calculated fee and enter a new value or over-ride the AMANDA to indicate FEE PAID when in fact there is still fee pending. |
| Amanda/ processBilling | When the folder status changes to 'INTAKE ACCEPTED' AMANDA runs a FolderUpdate Trigger procedure through EAI to send a message to ProjectDox regarding any fees due. If there are any fees outstanding based on function F\_GetFeeDue(argFolderRSN), then AMANDA changes the folder status to 'AWAITING FEES' and sends a message to ProjectDox to change the status of the project to 'AWAITING FEES'. If there are no fees due, then AMANDA changes the folder status to 'FEE PAID' and sends a message to ProjectDox to change the status of the project to 'FEE PAID'. Nothing happens in ProjectDox until all fees are paid in AMANDA, so if the status is 'AWAITING FEES' all works stops in ProjectDox.  This procedure passes the following data to ESB for ProjectDox:   |  |  | | --- | --- | | **AMANDA** | **ProjectDox** | | Folder.ReferenceFile6 | This is the ProjectID from ProjectDox to identify the appropriate project to update | | Folder.StatusCode | This data populates ProjectStatus in ProjectDox (ESB translates statuscode to textual status for ProjectDox.) |   For non-GP/T folders, AMANDA determines applicable fees due. If there are outstanding fees, status changed to AWAITING FEE. AMANDA creates a bill by applying fees pursuant to regulations and business rules. AMANDA creates and sends an email to the contact associated with the project notifying them of the outstanding fees. An approved Plan Coordinator may over-ride AMANDA calculated fee and enter a new value or over-ride the AMANDA to indicate FEE PAID when in fact there is still fee pending. |
| ProjectDox/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or PorjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/03SD.jpg> **Sequence Diagram: 3. Awaiting Payment** |

| **Category/Interface** | **Description** |
| --- | --- |
| Amanda/ makeApplicationPayment | The payment procedure calls custom procedure COA\_ProjectDox\_AllFeesPaid for the folders integrated with ProjectDoc when the FolderStatus is 'AWAITING FEES'. This runs for each payment within the folder. If the result is that all fees are paid, then a message is sent to ProjectDox to change the project status to 'FEE PAID'.  This procedure passes the following data to ESB for ProjectDox:   |  |  | | --- | --- | | **AMANDA** | **ProjectDox** | | Folder.ReferenceFile6 | This is the ProjectID from ProjectDox to identify the appropriate project to update | | Folder.StatusCode | This data populates ProjectStatus in ProjectDox (ESB tranalates statuscode to text status for ProjectDox) |   The Applicant logs into the AMANDA portal to pay fees using City of Austin approved online electronic payment service. The payment procedure in AMANDA triggers updateProjectInfo. |
| Amanda/ notifyApplicantOfExpiration | AMANDA evaluates business rules associated with the case number, and creates and sends a notification to the contacts associated with the project indicating the outstanding fees, timing for payment, and the expiration of the project due to lack of timely response. |
| ProjectDox/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or PorjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |

Once all fees are paid, the Plan Coordinator determines appropriate reviews and assigns to staff.

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/04SD.jpg> **Sequence Diagram: 4. Establish Required Reviewers** |

| **Category/Interface** | **Description** |
| --- | --- |
| ProjectDox/ addProjectToQueue | ProjectDox uses the AMANDA provided ProjectType to determine the applicable initial ReviewerList, establish Plan Coordinator and add the project to the IntakeQueue of the Plan Coordinator. The Plan Coordinator may use ProjectDox to reassign another Plan Coordinator in the event the initial assignment is incorrect. |
| ProjectDox/ reviewInitialProjectDocuments | The Plan Coordinator uses ProjectDox to perform the initial review of the project documents submitted by the Applicant. |
| ProjectDox/ establishRequiredReviewers | When the required reviews and the reviewers are chosen by the Plan Coordinator, messages are sent from ProjectDox to AMANDA to update the Project Status to either 'PREREQUISITE REVIEW PENDING', 'CC REVIEW PENDING' or 'IN E-REVIEW' and also to insert processes into AMANDA to correspond to the reviews chosen by the Plan Coordinator. The AssignedUser is passed through this message and the Scheduled startdate can be set to the current date. The ScheduleEndDate will have to be determined by scripts to refer to the DefaultProcess timeframes set up for the particular folder type.  Currently, there is no place in ProjectDox to store the ScheduleEndDate or 'Due Date' for the process. If or when this becomes available, AMANDA needs to send back to ProjectDox a message to populate each review date in ProjectDox.  If or when this is done, requires the following information to be sent from AMANDA to ProjectDox:   |  |  | | --- | --- | | **AMANDA** | **ProjectDox** | | Folder.ReferenceFile6 | This is the ProjectID from ProjectDox to identify the appropriate project to be updated | | FolderProcess.ProcessCode | This data identifies which tasks/departments in ProjectDox to update (a table for translation of FolderProcess.ProcessCode to the Departments in ProjectDox will be required by the ESB team for translation of this information) | | FolderProcess.ScheduledEndDate | This is the data ProjectDox does not have a place for and no logic built around enforcing it | |
| Amanda/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or PorjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |
| ProjectDox/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or PorjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/05SD.jpg> **Sequence Diagram: 5. Perform Review** |

| **Category/Interface** | **Description** |
| --- | --- |
| ProjectDox/ determineProjectStatus | The Plan Coordinator uses ProjectDox to review project comments. The Plan Coordinator uses ProjectDox to indicate the status of the case and whether another cycle is required. The Plan Coordinator provides final APPROVED status or the project moves into the next cycle. In addition, the Plan Coordinator can place a project on ADMIN HOLD to clear unresolved issues.  When all reviews have been completed, the Plan Coordinator reviews the responses and if there are no 'REJECTED' reviews, the Plan Coordinator changes the project status to 'AWAITING FEE' and a message is sent from ProjectDox to AMANDA to change the folder status so that AMANDA can do a fee check to see if there are any fees not paid. When the folder status changes to 'AWAITING FEE', AMANDA runs a FolderUpdate Trigger procedure through EAI to send a message to ProjectDox regarding any fees due. If there are any fees outstanding based on function F\_GetFeeDue(argFolderRSN), then AMANDA keeps the folder status 'AWAITING FEE'. If there are no fees due, then AMANDA changes the folder status to 'FEE PAID' and sends a message to ProjectDox to change the status of the project to 'FEE PAID'. Nothing occurs in ProjectDox until all fees are paid in AMANDA, so if the status is 'AWAITING FEE' no work can be done in ProjectDox.  This procedure passes the following data to ESB for ProjectDox:   |  |  | | --- | --- | | **AMANDA** | **ProjectDox** | | Folder.ReferenceFile6 | This is the ProjectID from ProjectDox to identify the appropriate project to update | | Folder.StatusCode | This data populates ProjectStatus in ProjectDox (ESB translates statuscode to text status for ProjectDox) | |
| ProjectDox/ reviewProjectDocuments | The Reviewer use ProjectDox to perform a review, markup and comment on project documents submitted by the Applicant in the review queue. The Reviewer uses ProjectDox to approve, reject, or indicate review not required. In addition, the Reviewer can reassign Reviewer or add Reviewers to the document under review.  When each review is completed in ProjectDox, it ends with either APPROVED, REJECTED or REVIEW NOT REQUIRED. Part of taskStatus. These results need to be translated into an attempt result (folderprocessattempt.resultCode) for each corresponding review process in AMANDA and the process or attempt procedure run when the message is sent from ProjectDox to AMANDA. The running of the procedure may result in an error message that is returned to ProjectDox from AMANDA so that the reviewer will have to go to AMANDA to add more detail before trying to complete their review in ProjectDox again.  If a review task in ProjectDox is reassigned, a message is sent from ProjectDox to AMANDA to set the AssignedUser of the corresponding process to the new reviewer. |
| Amanda/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or ProjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |
| Amanda/ updateReviewInformation | Based on returned error message from AMANDA, the Reviewer corrects errors identified by AMANDA. |
| ProjectDox/ establishRequiredReviewers | The Plan Coordinator or the Reviewer uses ProjectDox to modify the types of reviews and ReviewList as required. |
| ProjectDox/ updateTaskList | ProjectDox adds a new task to Reviewer task list. For reassignment, ProjectDox removes task item from the reassigned Reviewer. |
| ProjectDox/ createMasterCommentReport | Once the fees are paid, the Plan Coordinator ~~can~~ sends the Combined Comment Report and changes the status to 'AWAITING UPDATE'. A copy of the Combined Comment Report is sent to an accessible directory and a message sent to AMANDA with the file name and path so that a folder Attachment row can be added to AMANDA and the drawings are viewable. A message is sent from ProjectDox to AMANDA to change the Folder status to 'AWAITING UPDATE'. [Note: If all reviews are approved, is the project then updated or just the phase?] Depends on which phase you're in - final approval occurs during 'FORMAL Review'. ProjectDox processes Combined Comment Report file to an agreed storage location and provides ESB path (directory) information to inform Amanda.  The Plan Coordinator uses ProjectDox to generate a MasterCommentReport for a specific project. ProjectDox provides access to the MasterCommentReport via the Applicant account portal - this report contains comments from all reviewers for the review cycle. ~~For public accessibility, the Plan Coordinator saves the file(s) to an accessible location and the link is provided to AMANDA for public access.~~ |
| Amanda/ checkFee | Note: Also used by makeApplicationPayment - part of Awaiting Payment. The payment procedure calls custom procedure COA\_ProjectDox\_AllFeesPaid for folders integrated with ProjectDoc when the FolderStatus is 'AWAITING FEES'. This runs for each payment within the folder. If the result is that all fees are paid, then a message is sent to ProjectDox to change the project status to 'FEE PAID'.  This procedure passes the following data to ESB for ProjectDox:   |  |  | | --- | --- | | **AMANDA** | **ProjectDox** | | Folder.ReferenceFile6 | This is the ProjectID from ProjectDox to identify the appropriate project to update | | Folder.StatusCode | This data populates ProjectStatus in ProjectDox (ESB translates statuscode to text status for ProjectDox) | |
| Amanda/ notifyApplicantOfExpiration | AMANDA evaluates business rules associated with the case number, and creates and sends a notification to the contacts associated with the project indicating the outstanding fees, timing for payment, and the expiration of the project due to lack of timely response. |
| ProjectDox/ notifyApplicantOfReviewResults | ProjectDox sends email to the Applicant to indicate the completion of review cycle. The Applicant logs into their ProjectDox account to obtain results from the review. |
| ProjectDox/ storeProjectDocuments | The Applicant uses their email address to log into the system using a link provided by ProjectDox and chooses the project to upload documents. Using the system, the Applicant uploads required documents. Once the Applicant has uploaded all of their documents, they select the UPLOAD COMPLETE within the ProjectDox provided Web interface, indicating all documents have been added to the project for review. Otherwise, the system provides a means to continue document uploads until UPLOAD COMPLETE status indicating all documents added for project review. |
| ProjectDox/ reviewProjectDocuments | The Reviewer use ProjectDox to perform a review, markup and comment on project documents submitted by the Applicant in the review queue. The Reviewer uses ProjectDox to approve, reject, or indicate review not required. |

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| Select to enlarge... <http://austinea.org/arch/pdr/obtainSubmittalPlanApproval/06SD.jpg> **Sequence Diagram: 6. Approve Project** |

| **Category/Interface** | **Description** |
| --- | --- |
| ProjectDox/ stampProject | When all reviews for the project are approved, the Plan Coordinator uses ProjectDox to stamp~~s~~ the drawings and sends a notification to the applicant. A copy of the drawing package is sent to an accessible directory and a message sent to AMANDA with the file name(s) and (multiple) path so that a folder Attachment row can be added to AMANDA and the drawings are viewable. A message is also sent from ProjectDox to AMANDA to change the folder status 'APPROVED AND RELEASED'. |
| ProjectDox/ updateProjectInfo | Updates project attributes and status between AMANDA and ProjectDox. This interface is mitigated by the COA enterprise service bus specifically IBM Integration Bus (IIB). The consuming interface (either AMANDA or PorjectDox) uses internal system attributes and the IIB performs the required attribute transformation. See attribute transformation table. |
| ProjectDox/ indicateDocumentLocation | ProjectDox sends a Notification to the Applicant indicating their approved and released documentation is ready for download. The Applicant logs into their account to download official and approved copies containing the city approval stamp. If the Plan Coordinator chooses, these same plans are made available to the AMANDA portal and back office applications for interested party access. |

**Expiration of Application**

A batch routine runs each day to check a folderinfo field to see if the application should be expired. When this happens, AMANDA sends a message to ProjectDox to change the project status to 'EXPIRED' and close any open review tasks - accomplished via a FolderUpdate trigger in EAI or through additional scripting added to the batch procedure.

This procedure passes the following data to ESB for ProjectDox:

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| **AMANDA** | **ProjectDox** |
| Folder.ReferenceFile6 | This is the ProjectID from ProjectDox to identify the appropriate project to update |
| Folder.StatusCode | This data populates ProjectStatus in ProjectDox (ESB translates statuscode to text status for ProjectDox) |