iConnect 157979
Remove Jurisdiction Limits Design Document

Project Overview

This enhancement will remove the jurisdiction limit from FireLight. Currently, there is a limit of 63 jurisdictions because a long integer field is used to store jurisdiction approvals. This will be modified to support all possible jurisdictions.

After the change has been implemented, any number of additional jurisdictions can be added to the system for organizations that require them.

Support for multiple countries will be out of scope for this project.

Features/Requirements

N/A

Use Cases / Workflow Changes

Allow any number of jurisdictions for jurisdiction approvals.

Database Changes

Add AdditionalJurisdictionApproval varbinary(max) column to these tables:

- Product
- SalesAgreement
- Package
- FormLibrary
- QuotingProductRateInfo

Continue to store jurisdictions 1-63 in JurisdictionApproval, but store any others in AdditionalJurisdictionApproval. This will minimize compatibility issues and avoid the need to migrate existing data or update UAT, Staging, and Prod simultaneously.

Admin Changes

Change FormEntity.FormApproval from long to ITBitArray and update related code.

Update all SQL statements including JurisdictionApproval column to also include AdditionalJurisdictionApproval column as needed.

- UtilityHelper.GetSelectedJurisdiction
- DbManager.GetApprovedJurisdictions
- DbManager.PopulateProductList
- DbManager.GetResidentJurisdictionList
- DbManager.CheckForStateApproval
- DbManager.GetPackageList
- DbManager.GetPackageFormInternal
- DbManager.GetPackageForms
- DbManager.GetWizardProducts
- DbManager.GetWizardJurisdictions
- DataServiceController.GetAllFormsWithMaxCopyCount
- DataServiceController.GetAllForms
- DataServiceController.GetProductsByOrganization
- DataServiceController.InsertProduct
- DataServiceController.UpdateProduct
- DataServiceController.InsertSalesAgreement
- DataServiceController.GetSalesAgreement
- DataServiceController.UpdateFormName
- DataServiceController.GetPackageForms
- FormsController.UpdateFormDetails
- FormsController.GetFormsModel
- PackageController.GetForms
- PackageController.SetJurisdictionApproval
- DataServiceController.GetFormApproval
- QuotingDataController.UpdateRateSetInfo
- QuotingManager.GetRateSetInfo
- QuotingManager.GetRate
- QuotingManager.GetProducts

App Changes

No visible user interface changes

Integration Changes

N/A

UI Mock Ups

N/A

How to Enable and Use This Feature

N/A

Areas Impacted

System Area	Yes	Comment
Admin Tool		
- **Form Library**	X	
- **Design Forms**		
- **Profile Administration**	X	Packages, Products, Sales Agreements, Quoting
- **Reports**		
- **Deployment**		
FireLight App		
- **New Application**	X	
- **Edit Application**	X	
- **Signature Process**		
- **Review Queue**	X	
- **Quoting**	X	
- **Manual Review**		
- **User Preferences**		

- **Inbound Integration**		
- **Outbound Integration**		
- **PDF Generation**		
- **Email System**		
FireLight Console		
- **Windows**		
- **iOS**		
Other Systems		
- **DTCC Integration**		
- **Commission Netting**		
- **Activity Reporting**		