CHUBB - COGNIZANT

EVOLUTION

Technical Design

Understanding Document

Version 1.4

Revision History

Version	Release Date	Release Description	Updated By
1.0	27-AUG-2019	Initial Document	Cognizant Team
1.1	29-AUG-2019	Updated the Functional Components	Cognizant Team
1.2	3-SEP-2019	Updated the Sequence diagram	Cognizant Team
1.3	5-SEP-2019	Updated the Functional and Technical Traceability Matrix	Cognizant Team
1.4	9-SEP-2019	Updated the review comments	Cognizant Team

1 Overview

The purpose of this document is to prepare Evolution technical design understanding document. In 2017 Chubb created a new policy administration platform called **EVOLUTION** for Australian region for Personal Risks line of business. Evolution supports two kind of products which is Masterpiece (High Net Worth Individual) and Platinum Home or Residential(mid-high Net Worth Individual). This application has been developed based on Federated Product Model.

Evolution is comprised of two distinct applications:

- **Evolution –** Policy Admin system that supports policy lifecycle functions
- **Work Manager –** Workflow automation system that supports underwriting and operational activities

The following table gives a snapshot of overall Evolution program.

Business Functionality	Policy Administration(Underwriting)
Lines of Business	Personal Lines (High Net worth Individuals) – Masterpiece and Platinum Home
Functionalities	New Business, Renewals, Endorsement, Dashboard, Report, Appraisals, Admin, Security
Work Flow Module	Work Manager for workflow - Policy Load, Referral, Tasks, Assignment, WorkItem
External Systems	IESR(Compliance check), ELIAS/JBA (Risk), MERIDIAN (Policy Booking), EUF/Xythos (Doc Mgmt), PRIMA/PRISM for Claims, Sunrise(Broker Portal), Horizon(Broker Authentication)
Business Rules	IBM ODM
Rating engine	In-built component
Application Mode	Online (SOA) and Batch
Tech Stack	Front End - .NET, Bootstrap, jquery, Middle - Java [For Evolution, Work Manager], Database – SQL Server, Data Loading – SSIS, Reporting –SSRS, Confluence(Artifacts Sharepoint), J-Unit(Testing), JIRA(Defects & Test Cases)
Middleware/ Integration	Transaction booking with Meridian through BizTalk, MS MQ for Compliance check, Most of the interface integration is real-time
Source Control	SVN, Tortoise
Third Party Tool/Services	Aspose.Words for .NET, FinalBuilder Pro, Google Location Services (Address autocomplete), Ant, MS Build, NuGet extension
Design Pattern Frameworks	KnockoutJS(MVVM)
Binaries & Deployment	Binaries are stored in shared drive. Custom Power shell scripts used for manual deployment

2   System Overview

2.1   System Topology View

EVOLUTION – SYSTEM TOPOLOGY View
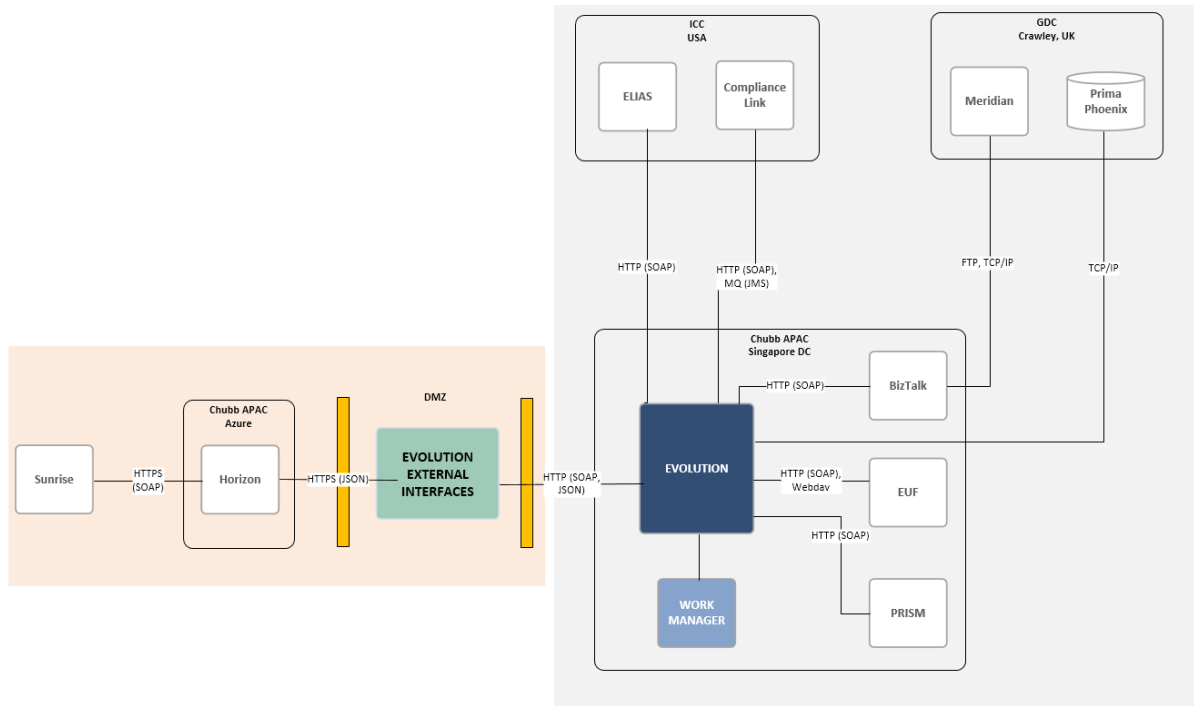
4

This Topology diagram has been consumed from Chubb provided documents.

2.2   System Purpose

Evolution is a Policy Administration system which can perform the following functionalities

- New Business
- Underwriting
- MTA / Endorsements
- Renewals
- Reporting functions

This application has holistic view of activity across all products, including 'upcoming renewals'. 'Upcoming Renewals' functionality feature helps to avoid policy issuance delays or policy lapses during renewal. Reports are generated to users with insights for programs renewing within the next 90 days.

Following users has access to Evolution application and its User access mapping is given in upcoming section

- Internal Users(Underwriter, OSD, Claims ,Finance)

- External Users(Sunrise Brokers)

3   Conceptual Diagram
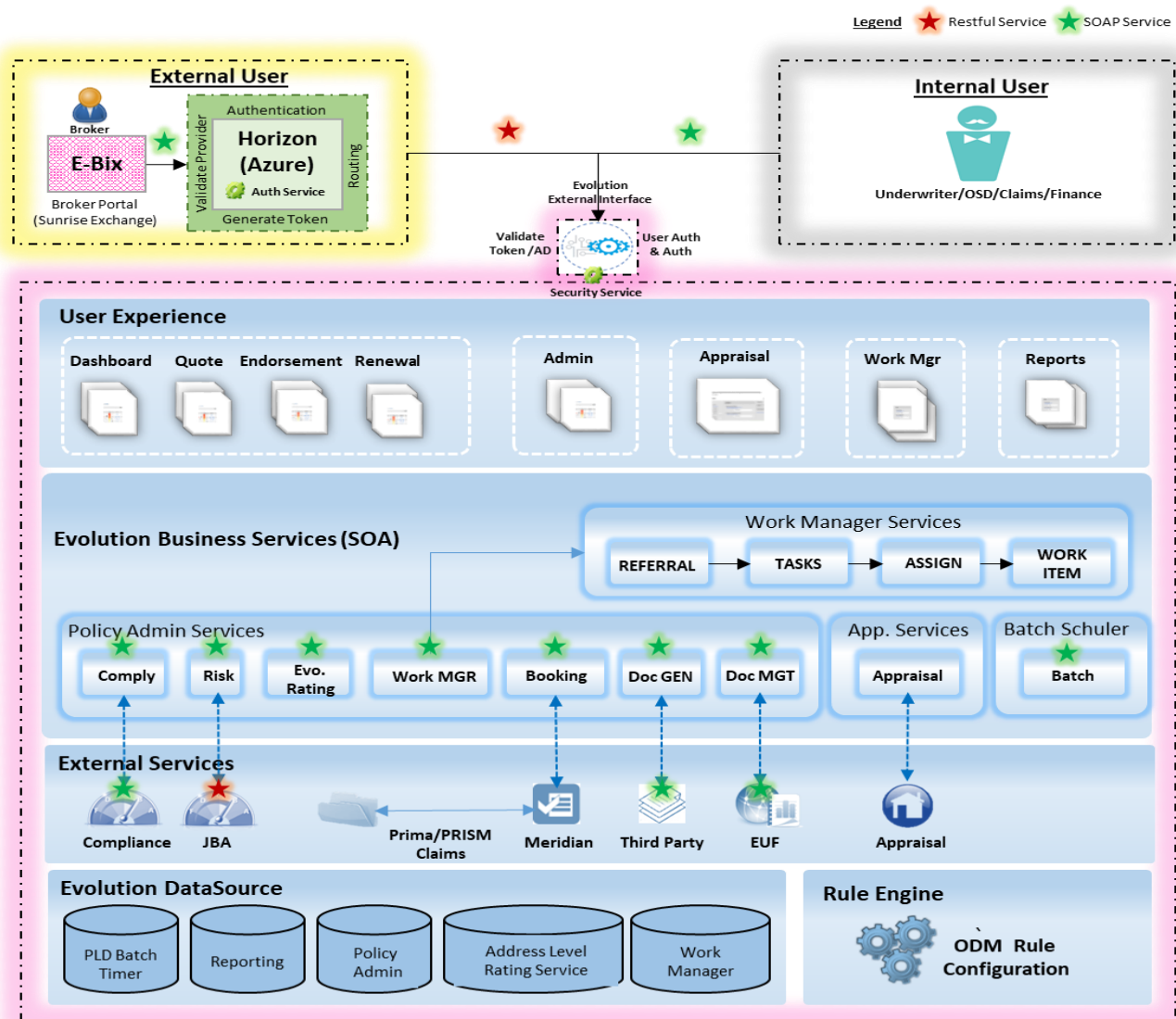
- **Users:** Brokers (External) and Chubb (internal) users uses the Policy Administration (Evolution) portal

- **E-Bix:** This is a web portal used by Brokers to cater the needs like raising quote, etc for the new/existing client

- **Horizon:** This is an external system to authenticate & validate the provider, generate token and route to Evolution portal through Evolution external interface

- **Evolution External Interface:** Authenticate & validate the intermediate token and authorize the users

- **User Experience:** Users can run through the portal based on their role and will have the privileges to raise quote/NB, Endorsement, Appraisal, Admin, Reports, Renewal and Work Manager

- **Workflow:** Quote, Renewal, Endorsement, Work Manager are built upon work flow process model

- **Comply:** This service will do Compliance validation check for the client policy

- **ELIAS:** This service will do risk assessment for the property location

- **Rating:** This service will pull the rules from ODM and do rating calculation for the quote/NB

- **Prism/Prima:** New/Migrated claims are stored in Prism and Non-Migrated Claims are available in Prima

- **WorkManager:** Underwriters will pull referrals from WorkManager for validation & issuance of the policy

- **Meridian**: There is batch booking for Renewal transactions, but the system also supports online 1 to 1 booking.

- **EUF(Document Management):** Xythos(EUF) helps to do document management for saving & retrieving purpose

- **Batch:** Multiple frequency of scheduled batch are available to process the different business requirement

- **ODM**: This is a business rule engine, which helps to do business validation as a workflow

- **DataSource**: Used to store lookup, data, users role information and extract data

4   Solution Architecture Diagram
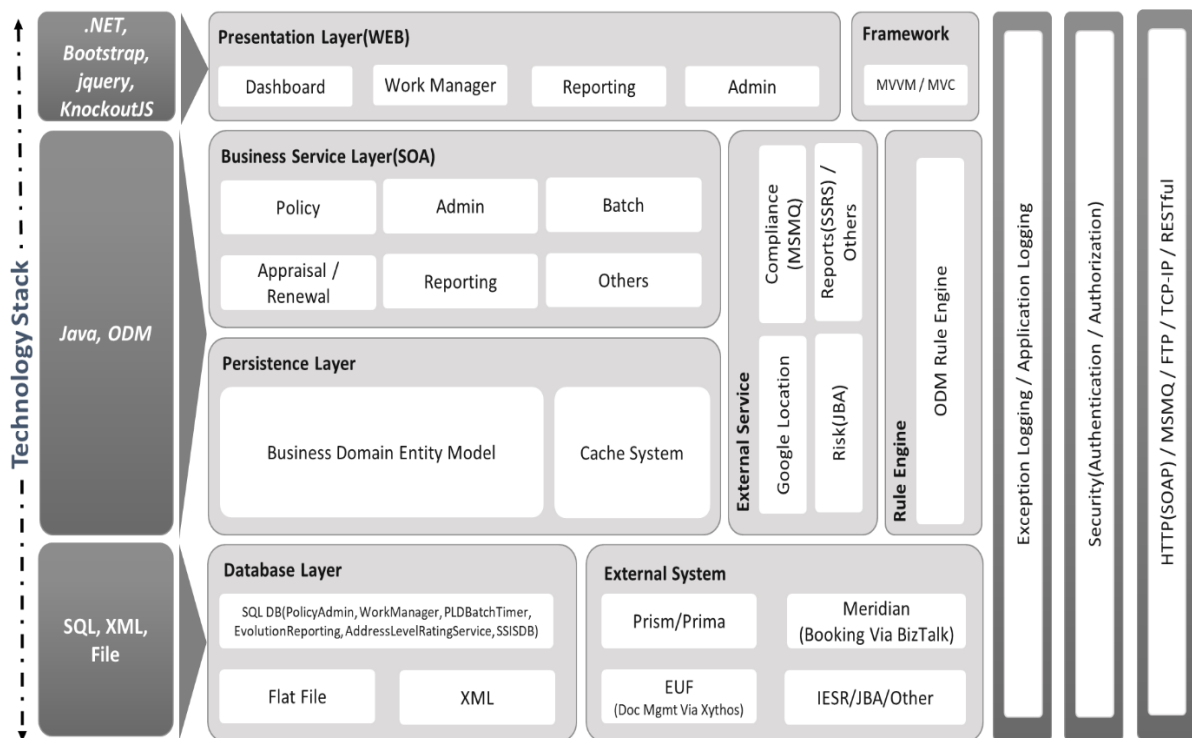
- The Front-End application (PolicyAdmin and Workmanager) supports two different architectural patterns: MVVM and MVC.

- Back-end (business/application logic) is comprised of a set of Java components running on IBM Websphere. Java services follow JEE standard Layered Component Structure. The business tier exposes services to front-end as either SOAP or RESTful services.

- The Evolution UI uses Google's Address Autocomplete Service,using Chubb's license for the Maps/Places API.

- Persistent data is stored in MS SQL Databases.A Data access layer is used to manage storage and retrieval of data from the database.

- For JBA flood rating calculation from Front-End, AddressLevelRating .NET Web API component is in place.

- Integration between Evolution and Meridian is done via Biztalk ESB component.

- Broker integration to Policy Admin system is done through Horizon API.

- Evolution batch jobs are implemented as Websphere scheduled jobs.

- Reports are generated through SSRS

- Compliance check request is transmitted through MSMQ

- ODM rules engine able to control the work flow of Referral & Renewal part of the application

5 Functional - User Role - Access Mapping

Major Functional Areas	Functionalities	Internal Users – Underwriters	External Users - Brokers
Client Creation and Search	Client search	Yes	Yes
	Client creation	Yes	Yes
New Quote	Add insurer details	Yes	Yes
	Add location details	Yes	Yes
	Add broker details	Yes	No
	Proceed to quote (Quote in Progress)	Yes	Yes
	Add risk & coverages	Yes	Yes
	Add risk location (Service call to) ELIAS - Flood Rating for Property Coverage)	Yes	Yes
	Add interested parties (Mortgage)	Yes	Yes
	Add liability	Yes	Yes
	Add new loss history	Yes	Yes
	Submit for referral (underwriters will not use this functionality)	Yes	Yes
Referral Process	Work manager	Yes	No
	Fetch loss details from PRIMA (Validate Claims PRIMA / PRISM)	Yes	No
	Generate Quote Evolution	Yes	Yes
	Edit rating details	Yes	No
	Add appraisal	Yes	No
	Add subjectivity and clauses	Yes	No
Quote Issuance	Quote in progress	Yes	Yes
	Issue Quote	Yes	Yes
	Document generation	Yes	Yes
	Add appraiser details	Yes	Yes
Policy Issuance	Bind the quote	Yes	Yes
	Book and Issue policy	Yes	Yes

	Newline In Force	Yes	Yes
	Booked in Meridian (Status in Evolution is Closed) - Integration between evolution and meridian	Yes	No
Renewal	Pre-Renewal - Manual process	Yes	No
	Pre-Renewal - Automated process	Yes	No
	Pre-Renewal - Automated process (Renewal Process)	Yes	Yes
	Submit for review	Yes	Yes
	Issue Renewal Summary	Yes	No
	Bind and Issue renewed policy	Yes	Yes
Endorsement	Full term cancellation	Yes	Yes
	Mid-term cancellation	Yes	Yes
	Back-dated cancellation	Yes	No
	Term change endorsement	Yes	Yes
	Policy termination	Yes	Yes
	Reinstatement	Yes	Yes
	Change of broker	Yes	No
	Correction	Yes	No
	Reverse to cancel	Yes	No
	Select Correction	Yes	No
	Select Reverse	Yes	No
	Submit Endorsement	Yes	No
	Issue Endorsed Summary	Yes	No
	Out of Sequence endorsement	Yes	No
	Correction forward Endorsement	Yes	No
	Signature status	Yes	Yes
	Subjectivity & Clauses	Yes	No
	Submit for review	Yes	Yes
	Issue Endorsed Summary	Yes	No
	Bind and Issue endorsed policy	Yes	Yes

6   Traceability Matrix(Functional – Technical)

Major Functional Areas	Functionalities	Functional Document Reference (Evolution Functional Understanding Document_V1.0)	Technical Document Reference(Chubb Evolution TUD)
Client Creation and Search	Client search	Refer section- I.C.1	Refer section 9.2
	Client creation	Refer section- I.C.1	Refer section 9.2
New Quote	Add insurer details	Refer section- I.C.1	Refer section 9.3
	Add location details	Refer section- I.C.1	Refer section 9.3
	Add broker details	Refer section- I.C.1	Refer section 9.3
	Proceed to quote (Quote in Progress)	Refer section- I.C.1	Refer section 9.3
	Add risk & coverages	Refer section- I.C.1	Refer section 9.3
	Add risk location	Refer section- I.C.1	Refer section 9.3
	(Service call to) ELIAS - Flood Rating for Property Coverage)	Refer section- I.C.1	Refer section 9.3
	Add interested parties (Mortgage)	Refer section- I.C.1	Refer section 9.3
	Add liability	Refer section- I.C.1	Refer section 9.3
	Add new loss history	Refer section- I.C.1	Refer section 9.3
	Submit for referral (underwriters will not use this functionality)	Refer section- I.C.1	Refer section 9.3
Referral Process	Work manager	Refer section - I.C.2	Refer section 9.4
	Fetch loss details from PRIMA (Validate Claims PRIMA / PRISM)	Refer section - I.C.2	Refer section 9.4
	Generate Quote Evolution	Refer section - I.C.2	Refer section 9.4
	Edit rating details	Refer section - I.C.2	Refer section 9.4
	Add appraisal	Refer section - I.C.2	Refer section 9.4
	Add subjectivity and clauses	Refer section - I.C.2	Refer section 9.4
Quote Issuance	Quote in progress	Refer section - I.C.2	Refer section 9.5
	Issue Quote	Refer section - I.C.2	Refer section 9.5
	Document generation	Refer section - I.C.2	Refer section 9.5
	Add appraiser details	Refer section - I.C.2	Refer section 9.5
Policy Issuance	Bind the quote	Refer section - I.C.2	Refer section 9.6
	Book and Issue policy	Refer section - I.C.2	Refer section 9.6
	Newline In Force	Refer section - I.C.2	Refer section 9.6
	Booked in Meridian (Status in Evolution is Closed) - Integration between evolution and meridian	Refer section - I.C.2	Refer section 9.6
Renewal	Pre-Renewal - Manual process	Refer section - I.C.3	Refer section 9.13
	Submit for review	Refer section - I.C.3	Refer section 9.13
	Issue Renewal Summary	Refer section - I.C.3	Refer section 9.13
	Bind and Issue renewed policy	Refer section - I.C.3	Refer section 9.13

	Full term cancellation	Refer section - I.C.4	Refer section 9.7.11
	Mid-term cancellation	Refer section - I.C.4	Refer section 9.7.8
	Back-dated cancellation	Refer section - I.C.4	Refer section 9.7.10
	Term change endorsement	Refer section - I.C.4	Refer section 9.7.6
	Policy termination	Refer section - I.C.4	Refer section 9.7.1
	Reinstatement	Refer section - I.C.4	Refer section 9.7.9
	Change of broker	Refer section - I.C.4	Refer section 9.7.7
	Correction	Refer section - I.C.4	Refer section 9.7.2
	Reverse to cancel	Refer section - I.C.4	Refer section 9.7.5
	Select Correction	Refer section - I.C.4	Refer section 9.7.2
	Select Reverse	Refer section - I.C.4	Refer section 9.7.2
Endorsement	Submit Endorsement	Refer section - I.C.4	Refer section 9.7.1
	Issue Endorsed Summary	Refer section - I.C.4	Refer section 9.7.1
	Out of Sequence endorsement	Refer section - I.C.4	Refer section 9.7.3
	Correction forward Endorsement	Refer section - I.C.4	Refer section 9.7.4
	Signature status	Refer section - I.C.4	Refer section 9.8
	Subjectivity & Clauses	Refer section - I.C.4	Refer section 9.7.1
	Submit for review	Refer section - I.C.4	Refer section 9.7.1
	Issue Endorsed Summary	Refer section - I.C.4	Refer section 9.7.1
	Bind and Issue endorsed policy	Refer section - I.C.4	Refer section 9.7.1

7   Operational Decision Manager (ODM)

IBM Operational Decision Manager (ODM) is IBM's Business Rule Management System (BRMS) which is often referred to as a business rules engine, capable of driving significant operational efficiency by processing business logic expressed as business rules.

ODM able to control the work flow of Referral & Renewal part of the application. There are approximately 243 ODM rules, in which 145 rules are part of Master Piece and 98 are part of Platinum Home. Please find the application ODM rules as attachment below

ODM Rules & Repository Details

ODMRule.docx   ODMRule.xlsx

8   Assumptions

- No current performance benchmark details available for Evolution
- No tools currently used for Mem/CPU performance, load & regression testing, code quality and Security vulnerability
- Only English language supported
- Assume overall 243 ODM rules, in which 145 rules are part of Master Piece and 98 are part of Platinum Home.
- Daily Batch Window Period – Non business hours
- CI/CD is not implemented.
- For batch jobs, Email trigger functionality is not implemented to track the status of job run.
- Authentication of internal users use Active Directory accounts. External user authentication is managed by Horizon.
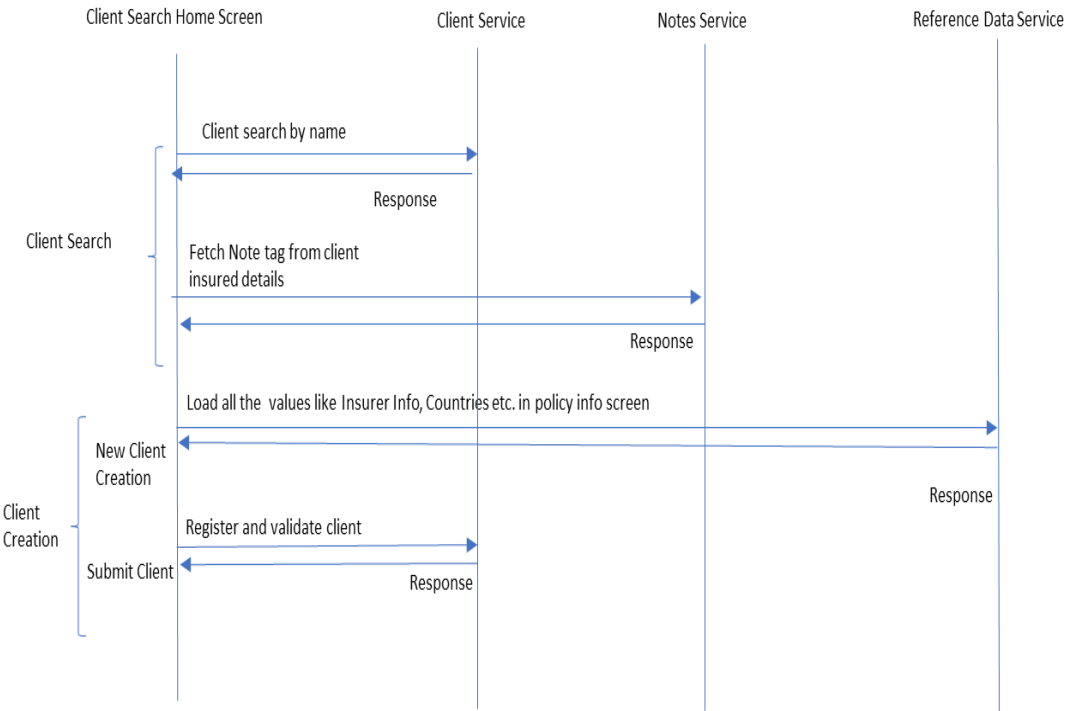
9 Functional Components

9.1 Login

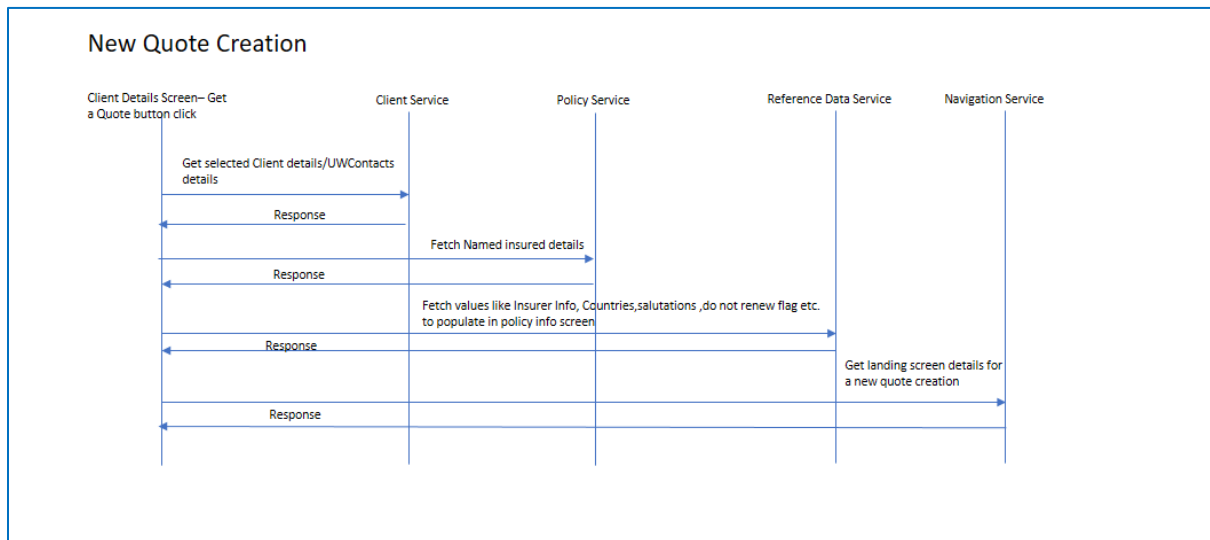| Function Name : Login/Authentication |
| --- |
| **Description:** Internal users can authenticate to login user. |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

• Authenticate the current user.
• Windows authentication is used to authenticate the user
• **Security service** has been called to authenticate and authorise the user. |

9.2 New Client

Client Search and New Client Creation

Client Search Home Screen   Client Service   Notes Service   Reference Data Service

Client Search

Client search by name

Response

Fetch Note tag from client insured details

Response

Client Creation

New Client Creation

Load all the values like Insurer Info, Countries etc. in policy info screen

Response

Submit Client

Register and validate client

Response

Function Name : Client Search, New Client-Client Creation, Client Creation submission

Description :

Client Search

 Internal users can search a client by Name

New Client-Client Creation

Internal users can create a new client

Client Creation submission

Internal users can create a client using submit button to check if the given client is existing while creating a new client

User Authorization: Internal users will primarily use this function.

Implementation Details:

Client Search:

- Search for clients.
- Search for policies based on client details
- **Client Service** been called to search a client name
- **Notes Service** will be called to get note tag of insured details

New Client-Client Creation
- Create a new client and give the client details information such as Name, Date of Birth, and Occupation and so on.
- Type client address in the text box it will automatically filled in the field by using Google API and submit it.
- **Reference Data Service** been called to display and Load occupation details in interested parties screen for Platinum home(AIMS Residential) & masterpiece products

Client Creation submission
- Create a new client using Submit button in New Client screen. Using **Client Service** to check if the given client is existing while creating a new client using 'Create a New Client' button in Client search screen.

9.3   New quote

9.3.1 Get a Quote

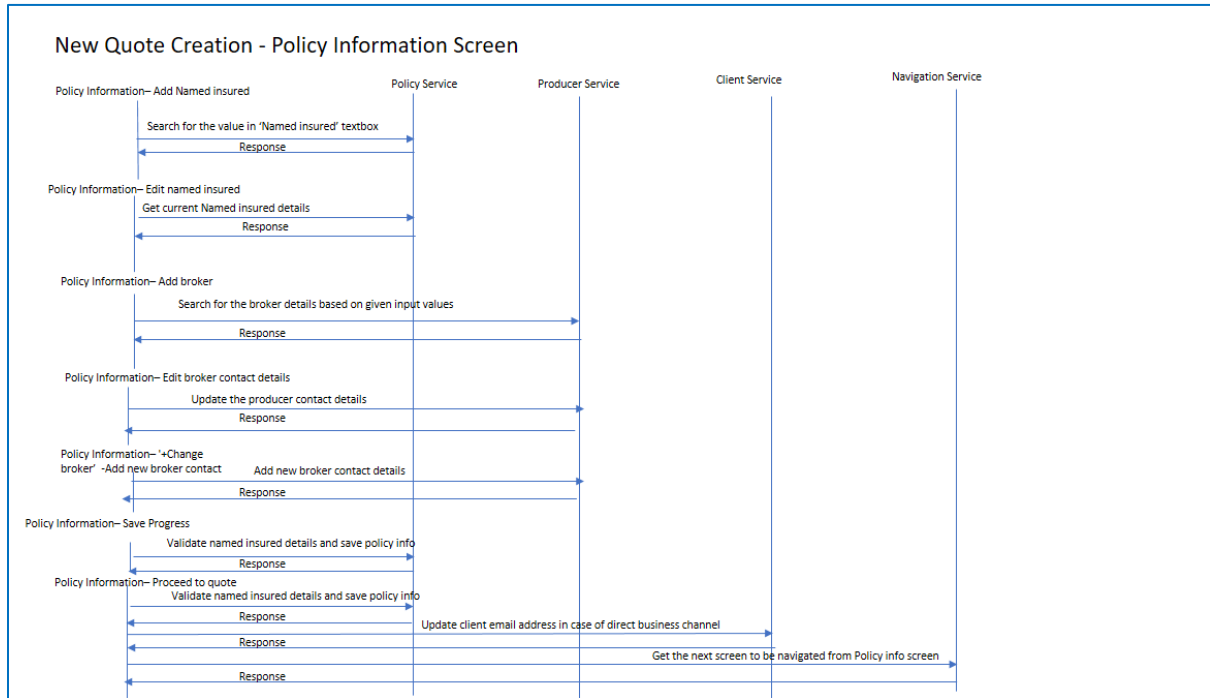| Function Name: Get a Quote |
|---|
| **Description:** Internal users can initiate a new quote for Evolution masterpiece product for the currently selected client by clicking the 'Get a Quote' button |
| **User Authorization :** Internal users will primarily use this function. |
| **Implementation Details:**

• Policy information related fields will be populated on clicking the 'Get a Quote' button from Client Details.
• **Clientservice** call will be made to retrieve the client details and underwriter contact details.
• Details like VAC Coverage,category details,Insurer Info, Countries,salutations ,do not renew flag etc. to populate the policy information details will be retrieved from **ReferenceDataService** call.
• **Policyservice** will return the Named insured details.
• **Navigationservice** call will return the details on the next screen to be navigated from the current screen. |

9.3.2 Policy Information

New Quote Creation - Policy Information Screen

Function Name: Policy Information

Description:

Policy Information – Add Named insured

While creating a new quote/updating an existing quote, the named insured details can be added by clicking the 'Add Named Insured' button in the Policy information screen. A pop-up window will open on clicking this button, wherein the user can search for the named insured details.

Policy Information – Edit named insured details

Edit the existing named insured details for the quote by clicking the Edit icon in the Policy information screen. 'Edit Named insured' pop-up window will open with the current named insured details.

Policy Information – Add broker details

While creating a new quote/updating an existing quote, the broker details can be added by clicking the 'Add Broker' button in the Policy information screen. A pop-up window will open on clicking this button, wherein the user can search for the broker details.

Policy Information – Edit broker contact details

Edit the existing broker contact details for the current quote by clicking the 'Edit broker contact details' button in the Policy information screen. A pop-up window will open on clicking this button, with the current broker contact details.

Policy Information – Change broker contact

A new broker can be added to the quote by clicking the 'Change broker contact' button in the Policy information screen. A pop-up window will open on clicking this button, where a 'Add new broker contact' button will be there.

Policy Information – Save Progress

Details entered so far in policy information screen can be intermediately saved by clicking 'Save Progress' button.

Policy Information – Proceed to quote (Quote in Progress)

The policy information details will be saved on clicking '**Proceed to quote**' button in the Policy information screen and user will be navigated to the 'Risks/Coverages' screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Policy Information– Add Named insured

- User can search for a named insured by providing the value in 'Named insured' textbox in the 'Add Named Insured' pop-up window.
- **Policyservice** will be called to retrieve the named insured details based on the given named insured name in the 'Add Named Insured' pop-up window
- The named insured search results returned from **Policyservice** will be displayed in the grid.

Policy Information – Edit named insured details

- **Policyservice** will be called to retrieve the existing named insured details.
- Current named insured details will be displayed in the 'Edit Named insured' pop-up window.

Policy Information – Add broker details

- **ProducerService** will be called to retrieve the broker/producer details based on the given broker details in the 'Add Broker' pop-up window.

Policy Information – Edit broker contact details

- **ProducerService** will be called to update the broker/producer details based on the given broker details in the 'Edit Broker Contact' pop-up window.

Policy Information – Change broker contact

- **ProducerService** will be called to add the given broker/producer details in the 'Add Broker Contact' pop-up window.

Policy Information – Save Progress

- **Policyservice** will be called to validate the named insured details and to save the policy information details.

Policy Information – Proceed to quote (Quote in Progress)

- **Policyservice validateNamedInsureds** method will be called to validate the named insured details and savePolicy method to save the policy information.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.3.3 Risks/coverages
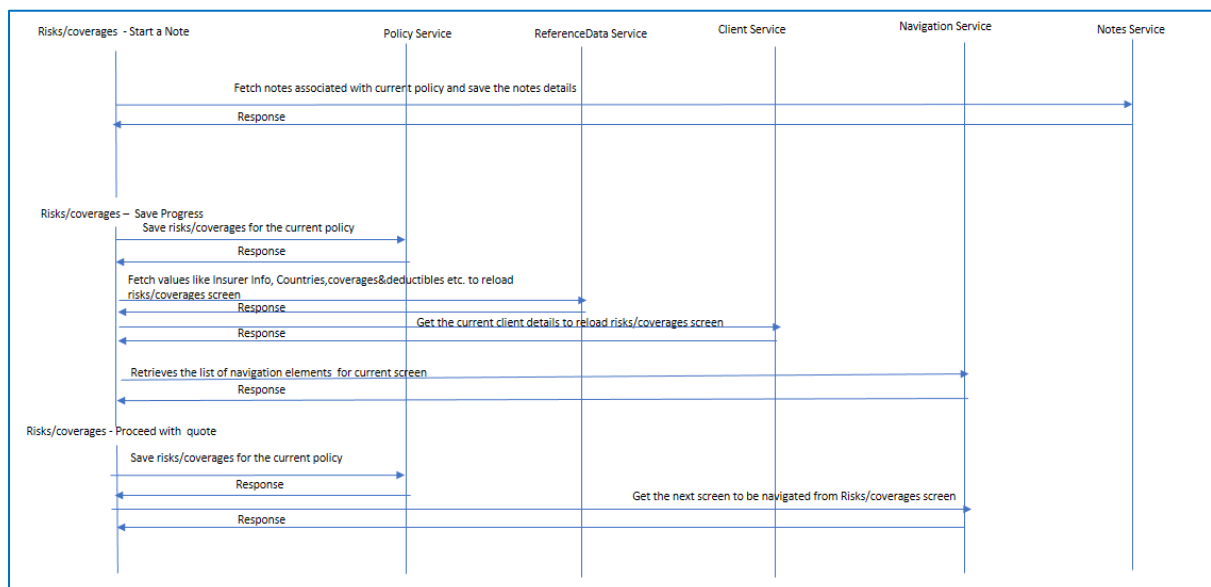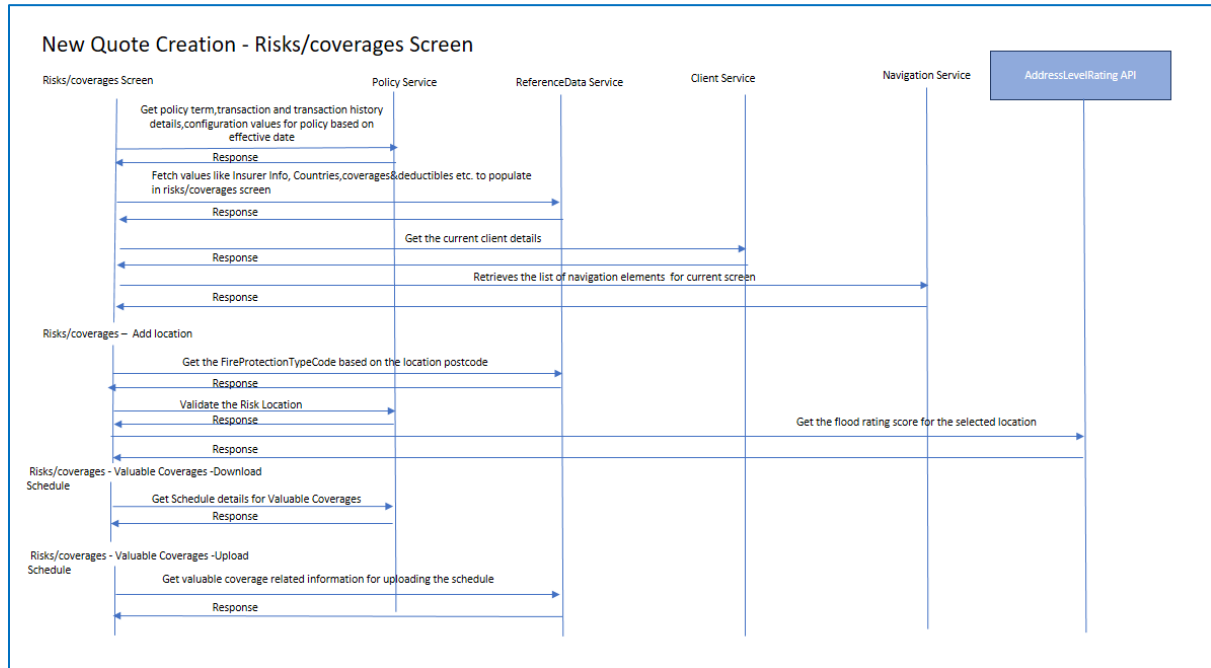
Function Name : Risks/coverages

Description: The Risks/coverages screen will be displayed to the user to capture the Risks and coverage details for the current quote.

Risks/coverages - Add location

Risk location can be added by clicking the 'Add location' button in the Risks/Coverages screen. 'Add Risk Location' pop-up window will open where the new location details can be added.

Risks/coverages - Save new location

A new risk location can be added to the policy by entering the location details and clicking '**Save this new location**' button in '**Add Risk Location**' pop-up window.

Risks\Coverages -Start a Note

Notes can be added by clicking the '**Start a Note'** button in the Risks/Coverages screen.

Risks\Coverages - Valuable Coverages - Download Schedule click

Schedule details for Valuable Coverages can be downloaded by clicking the '**Download Schedule'** button in the Risks/Coverages screen.

Risks\Coverages - Valuable Coverages - Upload Schedule click
Schedule details for Valuable Coverages can be uploaded by clicking the '**Upload Schedule'** button in the Risks/Coverages screen.

Risks\Coverages – Save Progress

Details entered at any point in the Risks/Coverages screen can be saved by clicking 'Save Progress' button.

Risks\Coverages – Proceed with Quote

By clicking Proceed with Quote button, Risks/Coverages details will be saved to DB and user will be navigated to Interested parties screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Risks/coverages -Page load

- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info,coverage & deductibles info will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Risks/coverages - Add location

- **ReferenceDataService** call will be made to get the FireProtectionTypeCode based on the location postcode.

Risks/coverages - Save new location

- Call will be made to the **AddressLevelRatingService API** to get the flood rating score
- **Policyservice validateRiskLocation** method call will to validate the entered risk location.

Risks\Coverages -Start a Note

- **NotesService** call will be made to get the existing notes, if any, and to save the notes.

Risks\Coverages - Valuable Coverages - Download Schedule click
- **Policyservice getVacItemsForAIMSProperty** method call will return the Schedule details for Valuable Coverages.

Risks\Coverages - Valuable Coverages - Upload Schedule click

- **ReferenceDataService getReferenceData** method call will be made to get valuable coverage related information for uploading the schedule.
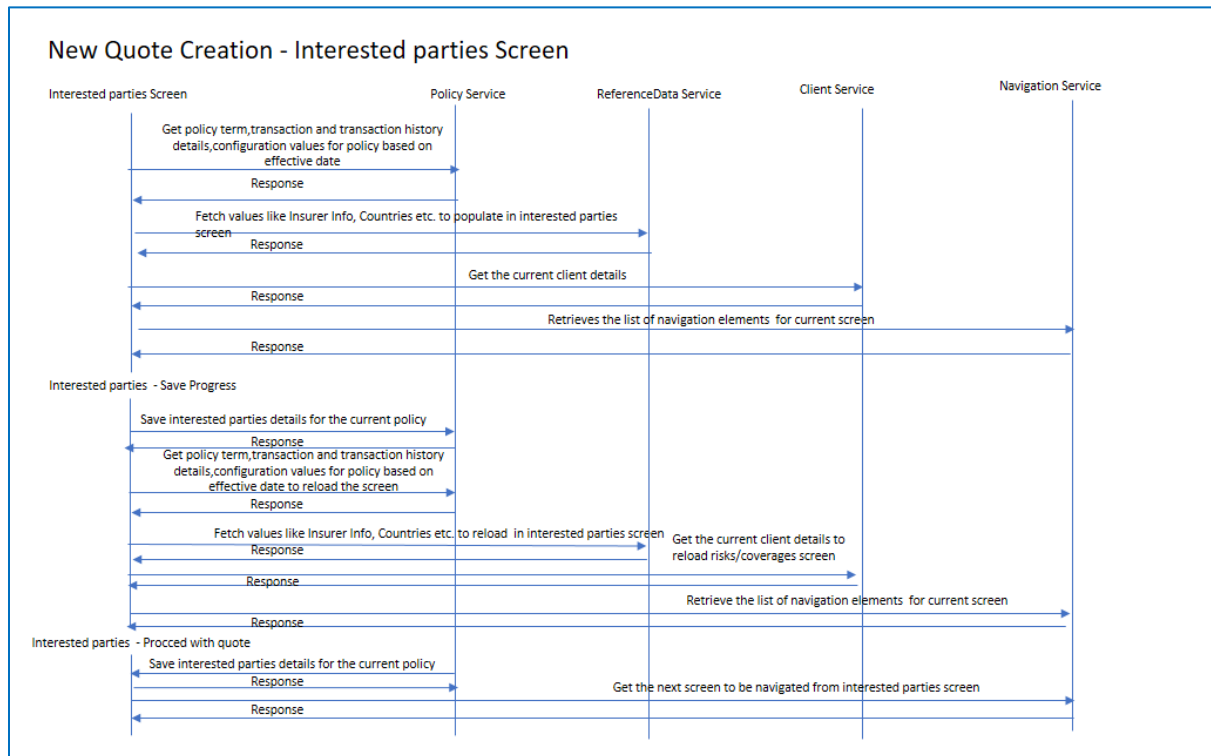
Risks\Coverages – Save Progress

- **Policyservice** will be called to get the policy transaction details including transaction history and to save the risks and coverages for current policy.
- Details like insurer info,coverage & deductibles info will be retrieved from **ReferenceDataService** to reload the screen**.**
- **ClientService** call will retrieve the current client details to reload the screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Risks\Coverages – Proceed with Quote
- Risks/Coverages details for the current policy will be saved to the DB by calling the **Policyservice savePolicyRisksCoverages** method.
- **Navigationservice getNavigationNextStep** method call will return the details on the next screen to be navigated from the current screen.

9.3.4 Interested parties

Function Name : Interested parties

Description: The Interested parties screen will be displayed to the user to capture the Interested parties details for the current quote.

Interested parties - Save Progress

Details entered at any point in the Interested parties screen can be saved by clicking 'Save Progress' button.

Interested parties - Proceed with Quote

By clicking Proceed with Quote button, Interested parties details will be saved to DB and user will be navigated to Liability screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Interested parties – Page load

- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info,coverage & deductibles info will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Interested parties - Save Progress
- Interested parties details for the current policy will be saved to the DB by calling the **Policyservice.saveInterestedParties** method.
- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info,fire protection type info etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Interested parties - Proceed with Quote

- Interested parties' details for the current policy will be saved to the DB by calling the **Policyservice saveInterestedParties** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.3.5 Liability

New Quote Creation – Liability Screen
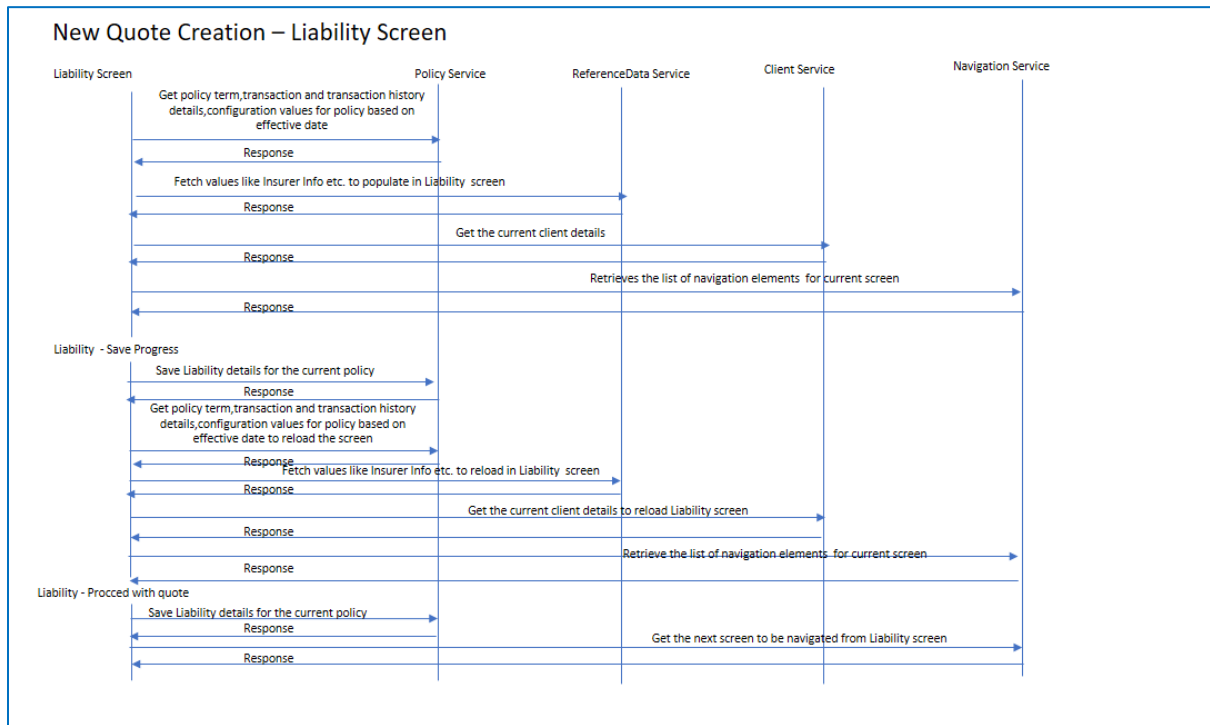
Function Name: Liability

Description: The Liability screen will be displayed to the user to capture the Liability details for the current quote.

Liability- Save Progress

Details entered at any point in the Liability screen can be saved by clicking 'Save Progress' button.

Liability - Proceed with Quote

By clicking Proceed with Quote button, Liability details will be saved to DB and user will be navigated to Loss History screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Liability– Page load

- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Liability - Save Progress

- Liability details for the current policy will be saved to the DB by calling the **Policyservice saveLiability** method.
- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Liability- Proceed with Quote

- Liability details for the current policy will be saved to the DB by calling the **Policyservice saveLiability** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.3.6 Loss History

New Quote Creation – Loss history Screen
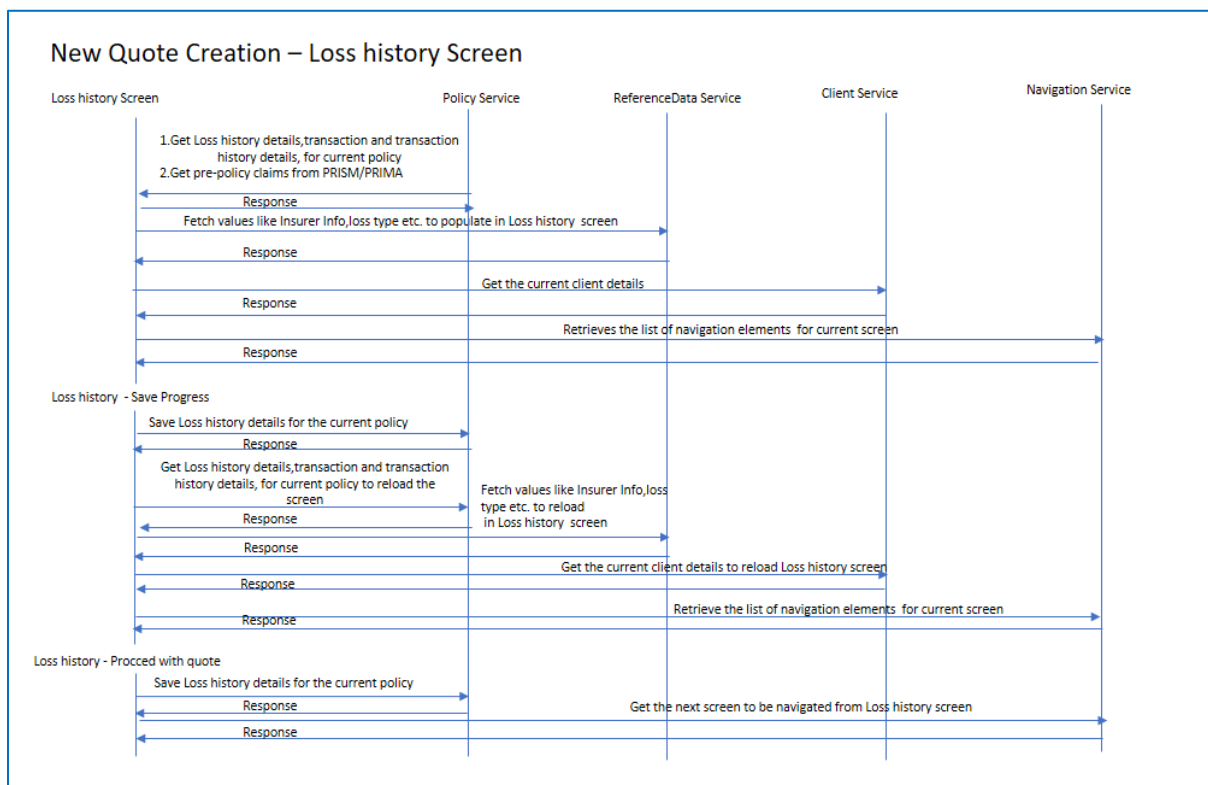
Function Name : Loss History

Description: The Loss History screen will be displayed to the user to capture the Loss History details for the current quote.

Loss History - Save Progress

Details entered at any point in the Loss History screen can be saved by clicking 'Save Progress' button.

Loss History - Proceed with Quote

By clicking Proceed with Quote button, Loss History details will be saved to DB and user will be navigated to Rating summary screen.

User Authorization: Internal/External users will primarily use this function.

Implementation Details:

Loss History – Page load

Policyservice will be called to get the policy transaction details including transaction history and LossHistory for current policy.

Pre-policy claims from PRISM/PRIMA will be fetched from Policyservice getPrePolicyClaims method

Details like insurer info, loss type will be retrieved from ReferenceDataService.

ClientService call will retrieve the current client details.

Loss History - Save Progress

Loss History details for the current policy will be saved to the DB by calling the Policyservice saveLossHistory method.

Policyservice will be called to get the policy transaction details including transaction history and LossHistory for current policy and reload the details.

Details like insurer info, loss type etc. will be retrieved from ReferenceDataService.

ClientService call will retrieve the current client details to reload screen.

Navigationservice getNavigationScreenInfo method call will retrieve the list of navigation elements for current screen.

Loss History - Proceed with Quote

Loss History details for the current policy will be saved to the DB by calling the Policyservice saveLossHistory method.

Navigationservice getNavigationNextStep method call will return the details on the next screen to be navigated from the current screen.

9.3.7 Rating Summary
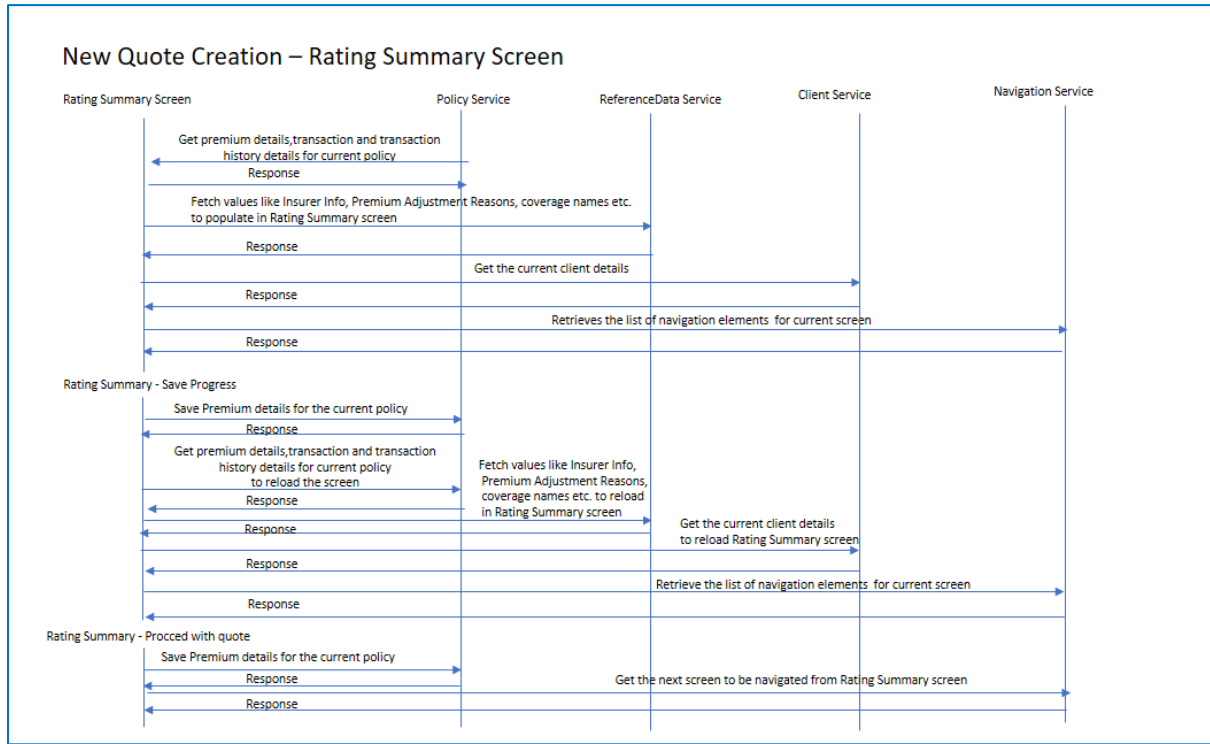
Function Name: Rating Summary

Description: The Rating Summary screen will be displayed to the user to capture the coverage wise and cumulative premium, sum insured and commission details for the current quote.

Rating Summary - Save Progress

Details entered at any point in the Rating Summary screen can be saved by clicking 'Save Progress' button.

Rating Summary - Proceed with Quote

By clicking Proceed with Quote button, Rating Summary details will be saved to DB and user will be navigated to Appraisals screen.

User Authorization: Internal/External users will primarily use this function.

Implementation Details:

Rating Summary – Page load

- **Policyservice** will be called to get the policy transaction details including transaction history and the premium details.
- Details like Insurer Info, Premium Adjustment Reasons, coverage names etc. to populate in Rating Summary screen will be retrieved from **ReferenceDataService.**

- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Rating Summary - Save Progress

- Premium details for the current policy will be saved to the DB by calling the **Policyservice savePremium** method.
- **Policyservice** will be called to get the policy transaction details including transaction history and the premium details and reload the details.
- Details like Insurer Info, Premium Adjustment Reasons, coverage names etc. to populate in Rating Summary screen will be retrieved from **ReferenceDataService** to reload the page.
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Rating Summary - Proceed with Quote

- Premium details for the current policy will be saved to the DB by calling the **Policyservice savePremium** method.

Navigationservice getNavigationNextStep method call will return the details on the next screen to be navigated from the current screen.

9.3.8 Appraisals
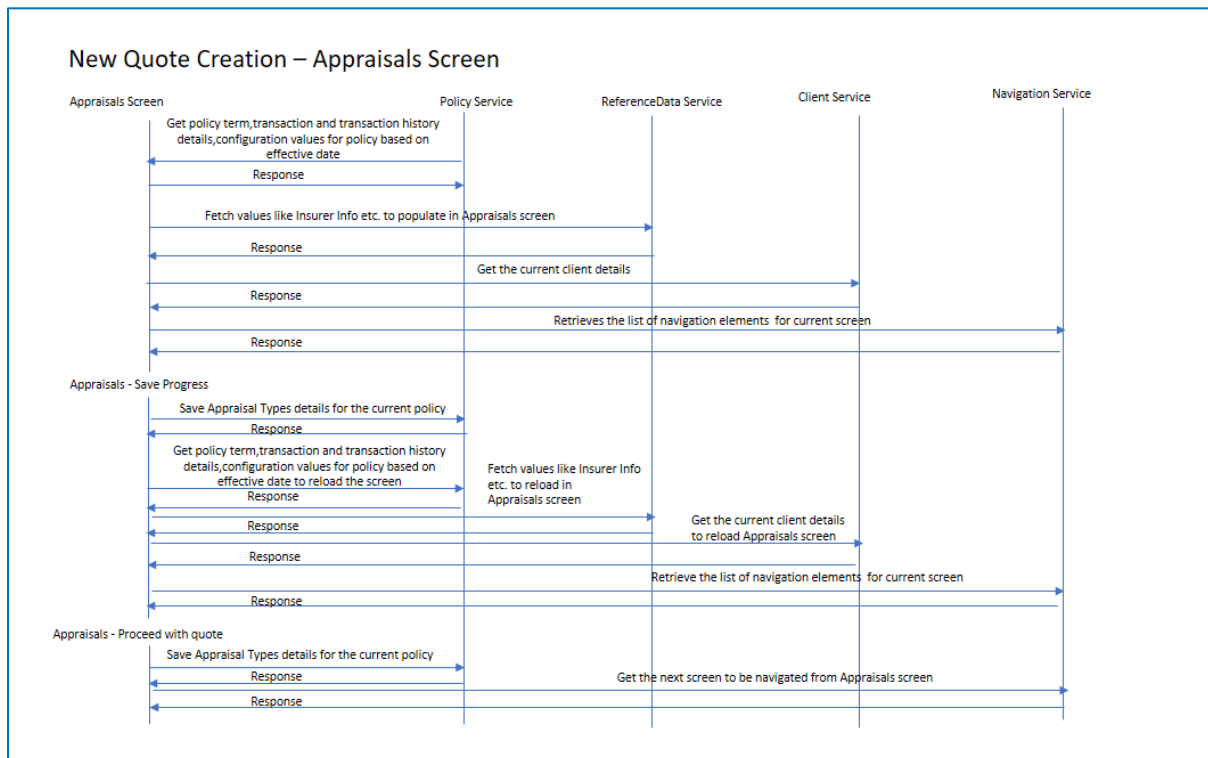
Function Name: Appraisals

Description: The Appraisals screen will be displayed to the user to capture the Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current quote.

Appraisals - Save Progress

Details entered at any point in the Appraisals screen can be saved by clicking 'Save Progress' button.

Appraisals - Proceed with Quote

By clicking Proceed with Quote button, Appraisals details will be saved to DB and user will be navigated to Subjectivities & Clauses screen.

User Authorization: Internal users will primarily use this function.

Implementation Details:

Appraisals – Page load

- **Policyservice** will be called to get the policy term,transaction and transaction history details,configuration values for policy based on effective date.
- Details like Insurer Info etc. to populate in Appraisals screen will be retrieved from **ReferenceDataService**.
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Appraisals - Save Progress

- Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current policy will be saved to the DB by calling the **Policyservice saveAppraisalTypes** method.
- **Policyservice** will be called to get the policy term,transaction and transaction history details,configuration values for policy based on effective date and reload the details.
- Details like Insurer Info etc. to reload in Appraisals screen will be retrieved from **ReferenceDataService** to reload the page**.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Appraisals screen to reload.

Appraisals - Proceed with Quote

- Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current policy will be saved to the DB by calling the **Policyservice saveAppraisalTypes** method.

Navigationservice getNavigationNextStep method call will return the details on the next screen to be navigated from the current screen

9.3.9 Subjectivities & Clauses

New Quote Creation – Subjectivities & Clauses Screen
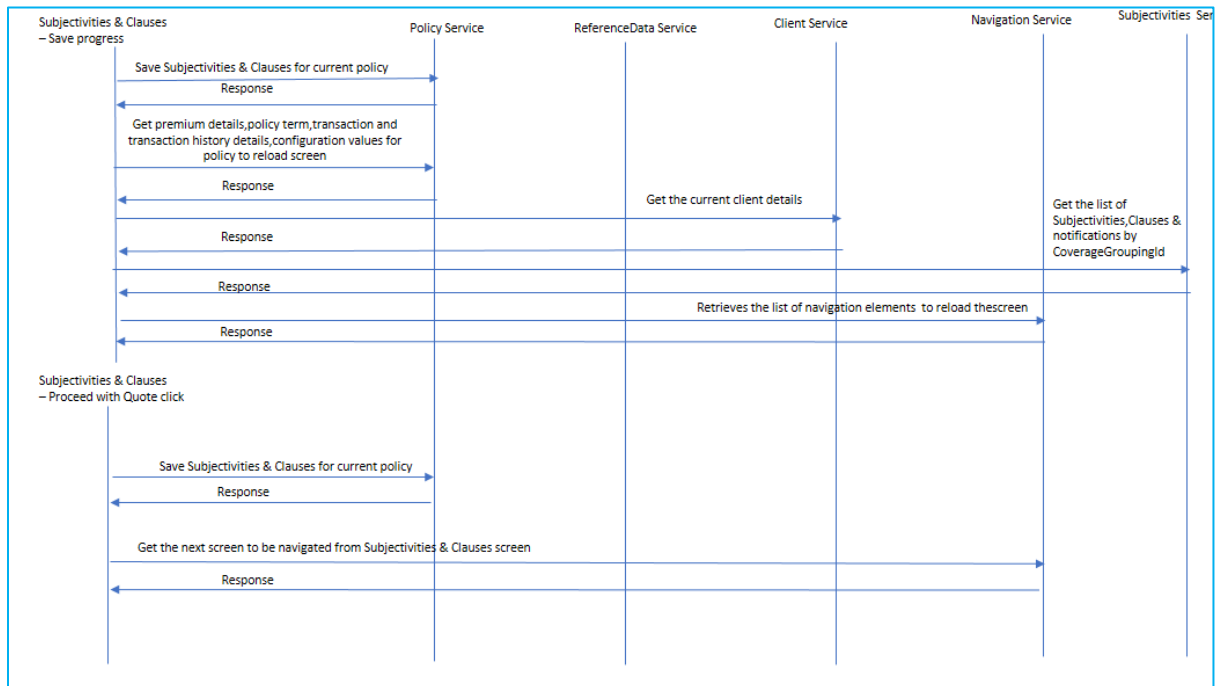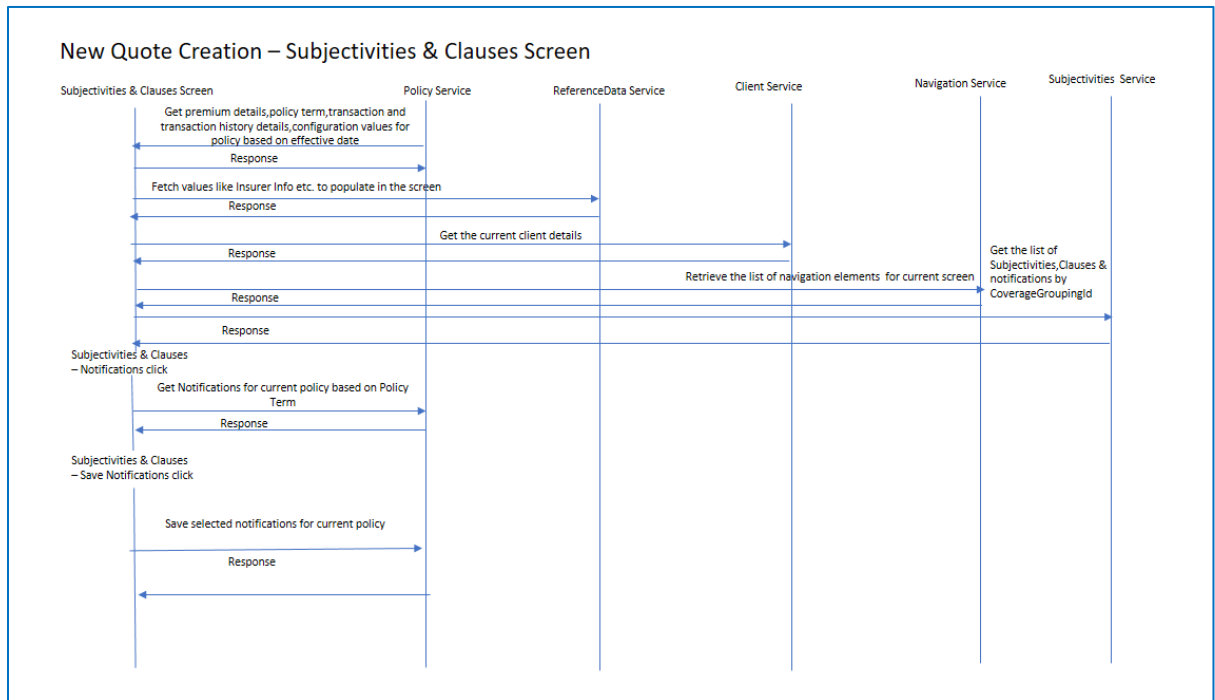
Function Name: Subjectivities & Clauses

Description: The Subjectivities & Clauses screen will be displayed to the user to capture the Subjectivities, Clauses & notifications associated with the current quote.

Subjectivities & Clauses - Notifications
- The list of notifications associated with current policy based on Policy Term can be viewed by clicking the Notifications button in the Subjectivities & Clauses screen.
- Additional notifications can be included in the policy by selecting the available notifications in the Window opened by clicking the Notifications button and can be saved by clicking the Save button.

Subjectivities & Clauses - Save Progress

Details entered at any point in the Subjectivities & Clauses screen can be saved by clicking 'Save Progress' button.

Subjectivities & Clauses - Proceed with Quote

By clicking Proceed with Quote button, the Subjectivities & Clauses details will be saved to DB and user will be navigated to Quote Summary screen

User Authorization: Internal users will primarily use this function.

Implementation Details:

Subjectivities & Clauses – Page load

- **Policyservice** will be called to get the premium details,policy term,transaction and transaction history details,configuration values for policy based on effective date.
- Details like Insurer Info etc. to populate in Subjectivities & Clauses screen will be retrieved from **ReferenceDataService**.
- **ClientService** call will retrieve the current client details.
- **SubjectivitiesService getSubjectivityListByCoverageGroupingId, getClauseListByCoverageGroupingId and getNotificationListByCoverageGroupingId** methods will be called to fetch the list of subjectivities,clauses and notifications for the current policy respectively.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Subjectivities & Clauses screen.

Subjectivities & Clauses - Notifications
- **PolicyService getPolicyTermNotifications** method call will retrieve the list of notifications for current policy based on Policy Term.
- **PolicyService savePolicyTermNotifications** method call will save the list of notifications for current policy based on Policy Term.

Subjectivities & Clauses - Save Progress

- The list of subjectivities,clauses and notifications for the current policy will be saved to the DB by calling the **Policyservice saveSubjectivitiesAndClauses** method.
- **Policyservice** will be called to get the premium details,policy term,transaction and transaction history details,configuration values for policy based on effective date and reload the details.
- Details like Insurer Info etc. to reload in Appraisals screen will be retrieved from **ReferenceDataService** to reload the page**.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Subjectivities & Clauses screen to reload.

Subjectivities & Clauses - Proceed with Quote

- The list of subjectivities,clauses and notifications for the current policy will be saved to the DB by calling the **Policyservice saveSubjectivitiesAndClauses** method.

Navigationservice getNavigationNextStep method call will return the details on the next screen to be navigated from the current screen.

9.3.10   Quote Summary
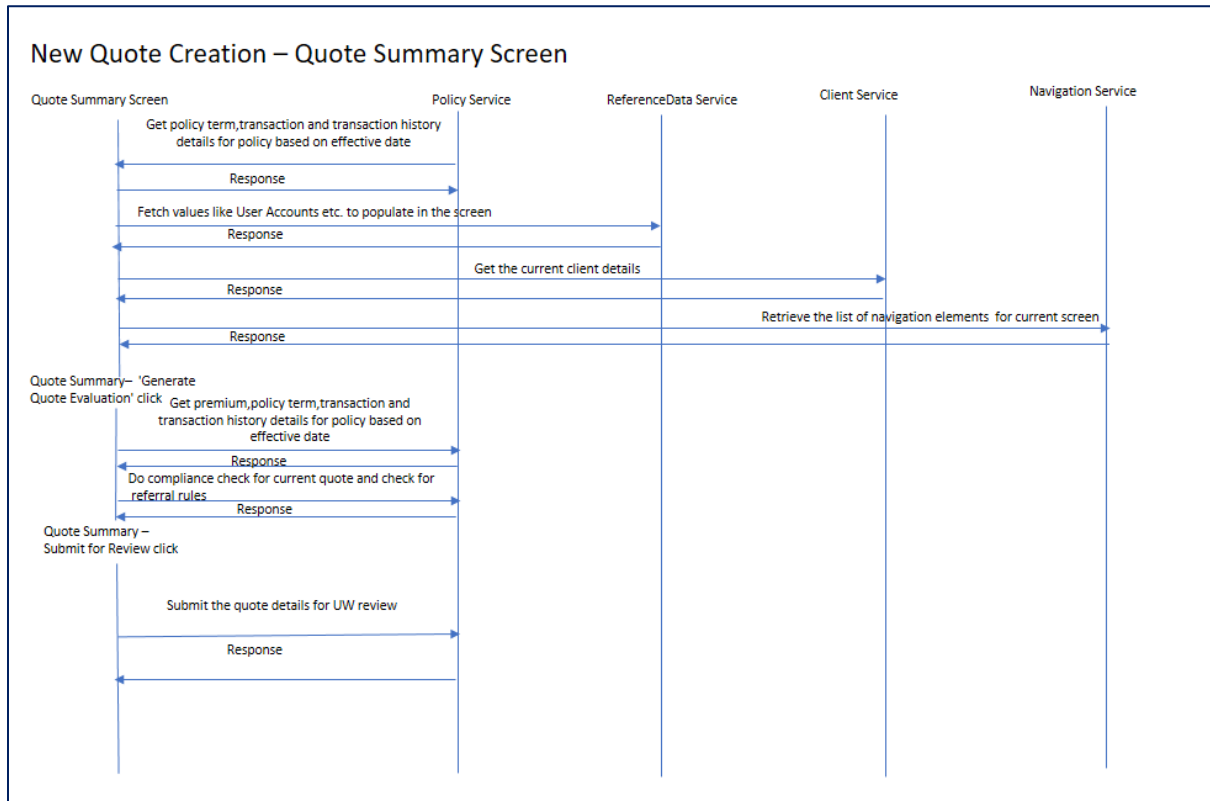
Function Name: Quote Summary
Description: The Quote Summary screen will be displayed to the user to generate quote evaluation based on provided details,and referrals rules and compliance check with happen from this screen.   Quote Summary - 'Generate Quote Evaluation'   • The compliance check and check for referral rules for current quote will be triggered by clicking the 'Generate Quote Evaluation' button in the Quote Summary screen.   Quote Summary - Submit for Review   By clicking Submit for Review button, the quotes details can be assigned for review by the selected underwriter
User Authorization: Internal users will primarily use this function

Implementation Details:

Quote Summary – Page load

- **Policyservice** will be called to get the policy term,transaction and transaction history details for policy based on effective date.
- Details like User Accounts etc. to populate in Subjectivities & Clauses screen will be retrieved from **ReferenceDataService**.
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Quote Summary screen.

Quote Summary - 'Generate Quote Evaluation'

- **PolicyService sanctionSearchAndUpdateForPolicy** method call will do the **compliance** check for current policy.
- **PolicyService validateQuote** method call will check for referral rules and trigger referrals,if any.

Quote Summary - Submit for Review

Policy Service submitForReview method will be called to assign the quote for review by the selected underwriter from Submit for Review window

9.3.11 Notes

New Quote Creation – Notes Screen
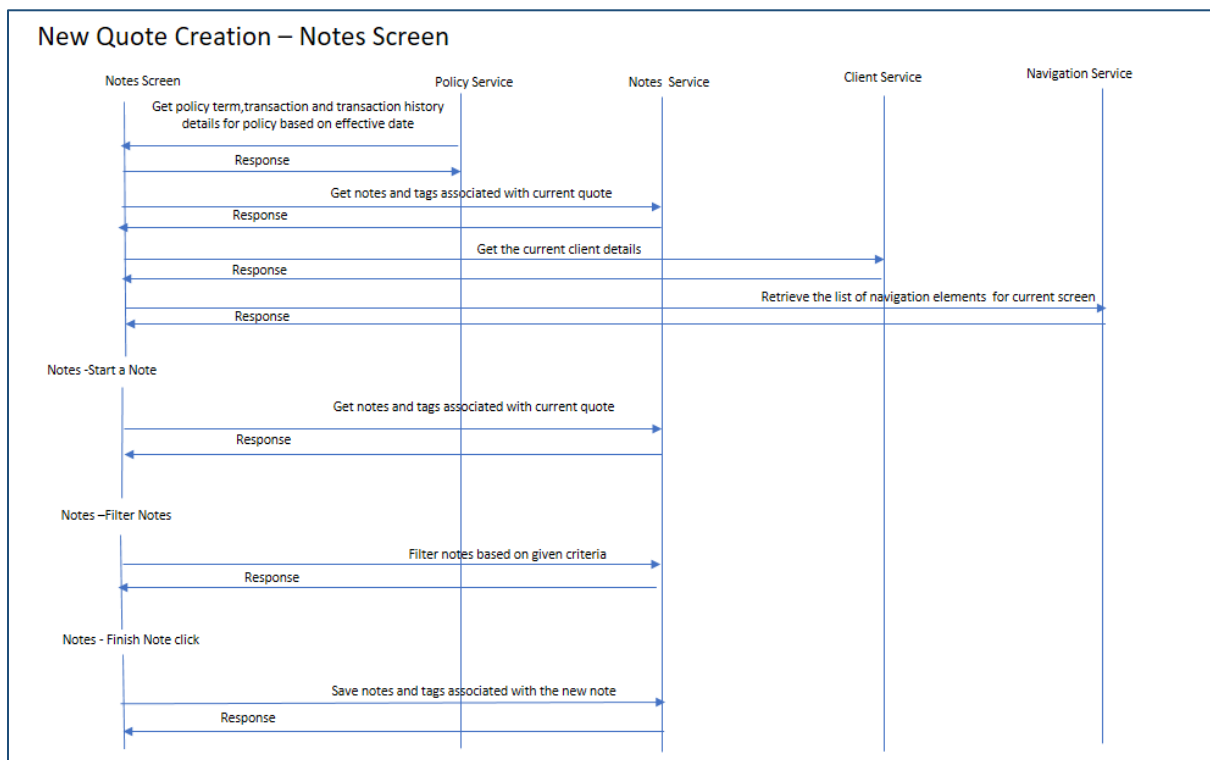
Function Name: **Notes**

Description: The Notes screen will display the notes associated with current quote and also allows to add new notes.

Notes -Start a Note

 By clicking 'Start a Note' button in the Notes screen,new notes can be added to the current quote.

Notes - Filter Notes

Notes can be filtered by providing the filter criteria available in the Notes screen.

Notes - Finish Note

A new note can be added to the policy by clicking 'Finish Note' button in Start a Note window.

User Authorization: Internal users will primarily use this function.

Implementation Details:

Notes – Page load

- **Policyservice** will be called to get transaction and transaction history details for policy.
- **NotesService getPolicySubjectTags** call will fetch the policy notes and tags.
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Notes screen.

Notes -Start a Note

- **NotesService getPolicySubjectTags and getPolicyMetadataTags** call will fetch the policy notes and tags.
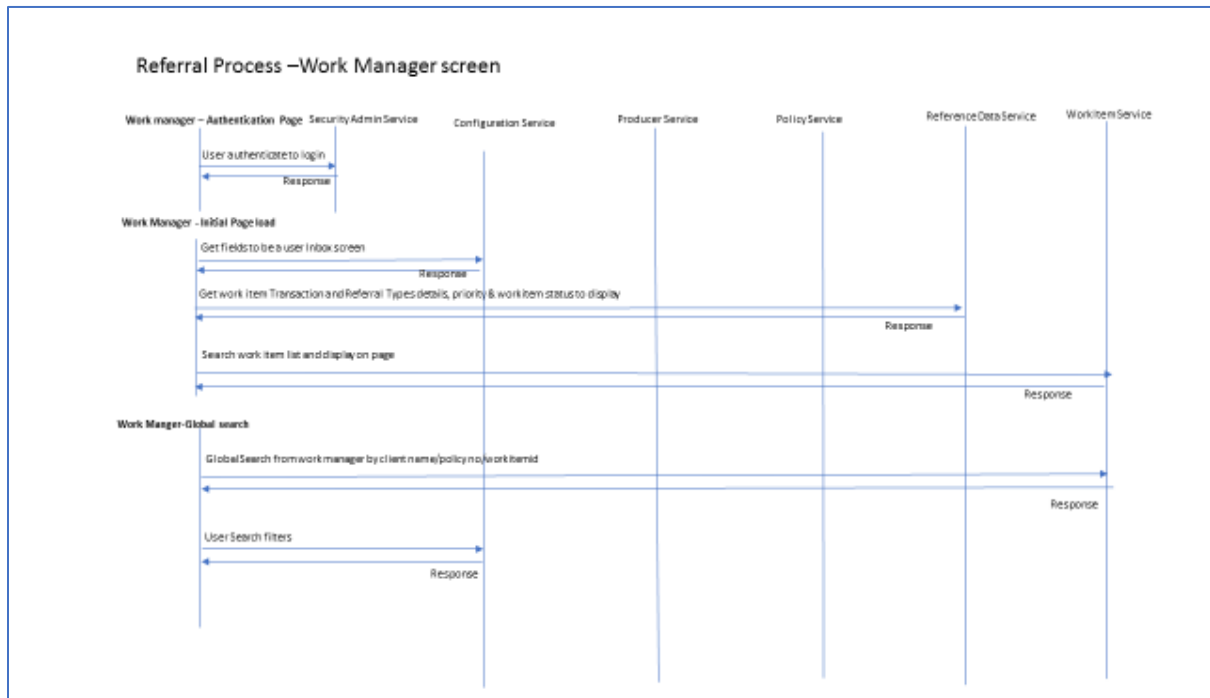
Notes - Filter Notes

- **NotesService filterNotesForPolicy method** will filter the notes based on the filter criteria provider in the Notes screen.

Notes - Finish Note

NotesService saveNotemethod will save the new notes added in the Notes screen.

9.4 Referral Process

Referral Process –Work Manager screen

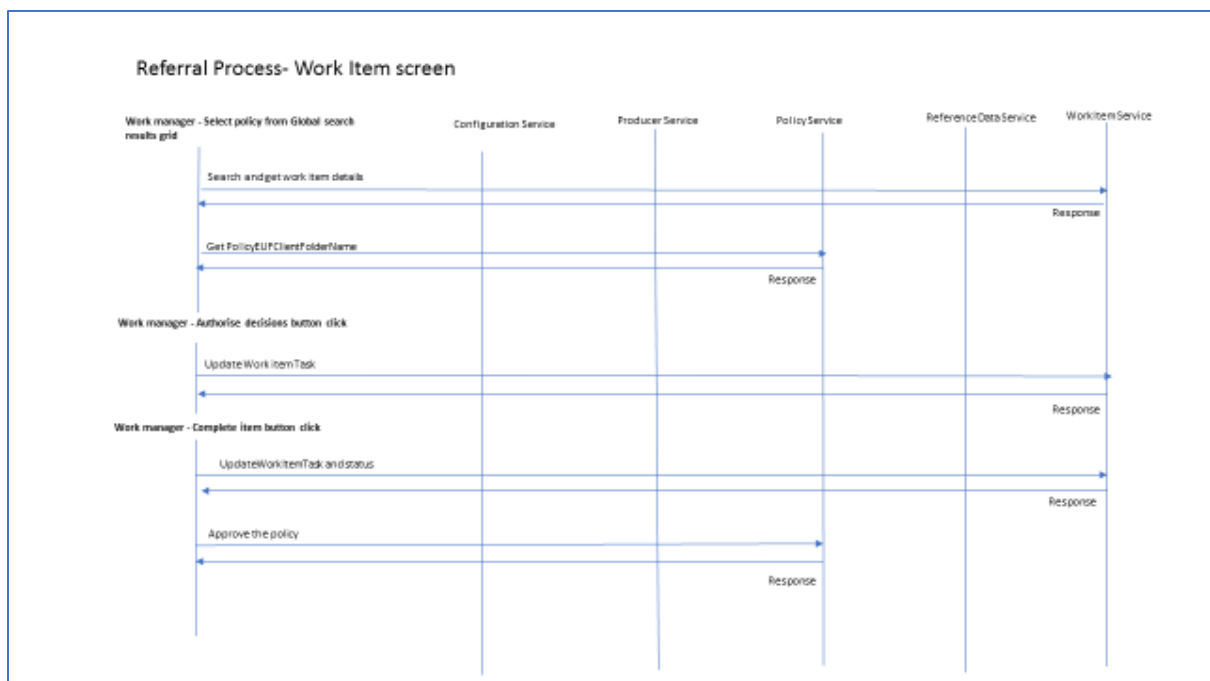| Function Name : Work manager – Authentication/ Work manager - Initial Page load/Global search |
|---|
| **Description :**

Work manager – Authentication/ Work manager

Internal Users - Underwriters can authenticate to login user.

Work manager - Initial Page load

Internal Users - Underwriters can load the work manager screen which have work item. It can be displayed all the work item list on initial page load

Work Manager – Global search

Internal Users - Underwriters can search global search by client /policy /Work itemiD. |
| **User Authorization:** Internal users - Underwriters will primarily use this function. |
| Implementation Details:

Work manager – Authentication:
• Security Service will be called to get list of useraccounts based on securityRoleID

Work manager - Initial Page load

• Configuration Service will be called to get fields to be a user Inbox screen on initial page load
• Reference data service will be called to get work item Transaction and Referral Types details, |

priority & workitem status to display.
- WorkItemService is used to get tabs associated with user on workmanager page load and also get screen filters associated with user on workmanager page load.
- Configuration Service will be called to get fields to be a user Inbox screen on initial page load and get tabs associated with user on workmanager page load

Work manager – Global search

- Workitemservice will be called for global Search from work manager by client name/policy no/workitemid

Referral Process- Work Item screen

Function Name : Work manager - Select policy from Global search results grid, Work manager - Authorise decisions button click, Complete item button click

Description: Internal Users - Underwriters can select the policy from global search result and Underwriters can authorise decision to approve or reject. UW can complete the work item to proceed further.

User Authorization : Internal users will primarily use this function.

Implementation Details:

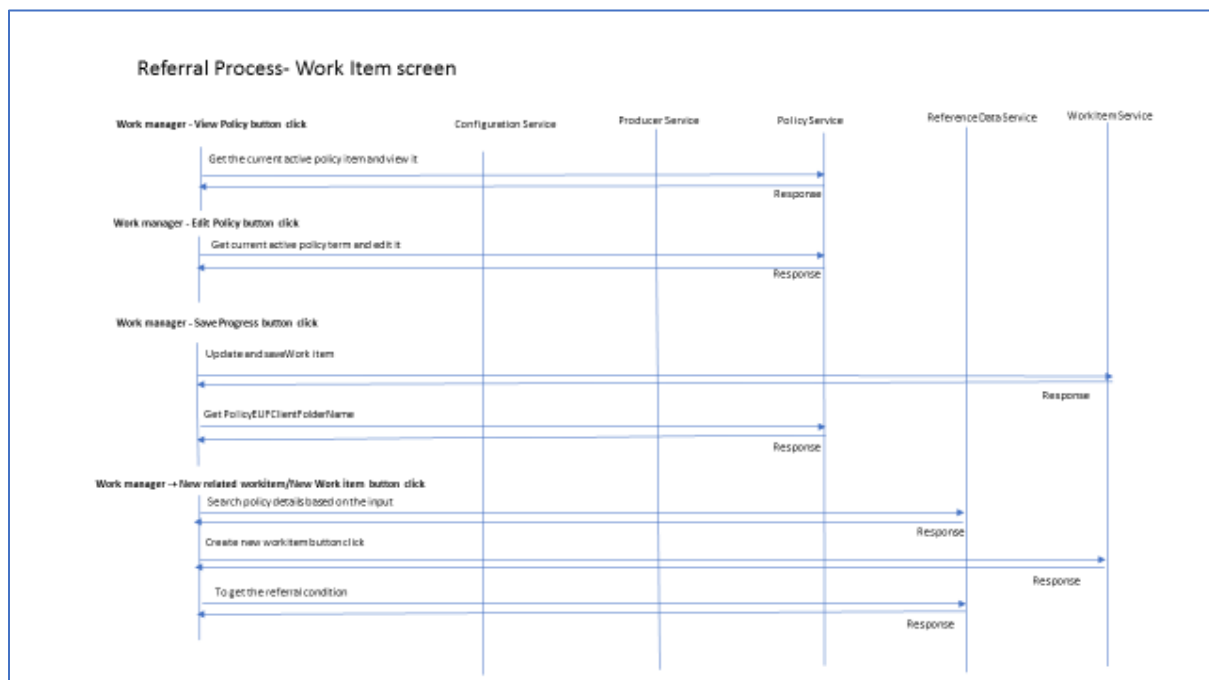Work manager - Select policy from Global search results grid

- **Policy service** will be called to get EUF Client folder name.
- **Workitemservice** will be called for global Search from work manager by client name/policy no/workitemid from the grid

Work manager - Authorise decisions button click

- **Workitemservice** will be called to authorise decision whether approve or decline. ODM rule engine will validate the work item and display the referral whether Underwriter should decision approve or reject the items .
- **Policy service** will be called to get EUF Client folder name.

Work manager - Complete item button click

- **Policy service** will be called to approve the policy for the work item.
- **Workitemservice** will be called to update as completed the work item flow.

Referral Process- Work Item screen

Function Name : Work manager - View Policy button click, Edit Policy button click & Save Policy button click, Work manager - + New related workitem button click

Description : Internal Users - Underwriters can view the active policy of the work item and edit as well as save the policy work item

User Authorization : Internal users - Underwriters will primarily use this function.

Implementation Details:

View Policy button click:

- **Policy Service** will be called to get current active policy to view on the page.

Edit Policy button click & Save Policy button click:
- **Policy Service** will be called to get active current policy and edit the policy.
- **Workitemservice** will be called to update the work item task and save the policy

+ New related workitem button click:

- **Policy Service** will be called to search policy by policy number to create a new related work item.
- **Reference data service** will be called to get referral condition to validate with ODM rule engine

Referral Process- Work Manager screen
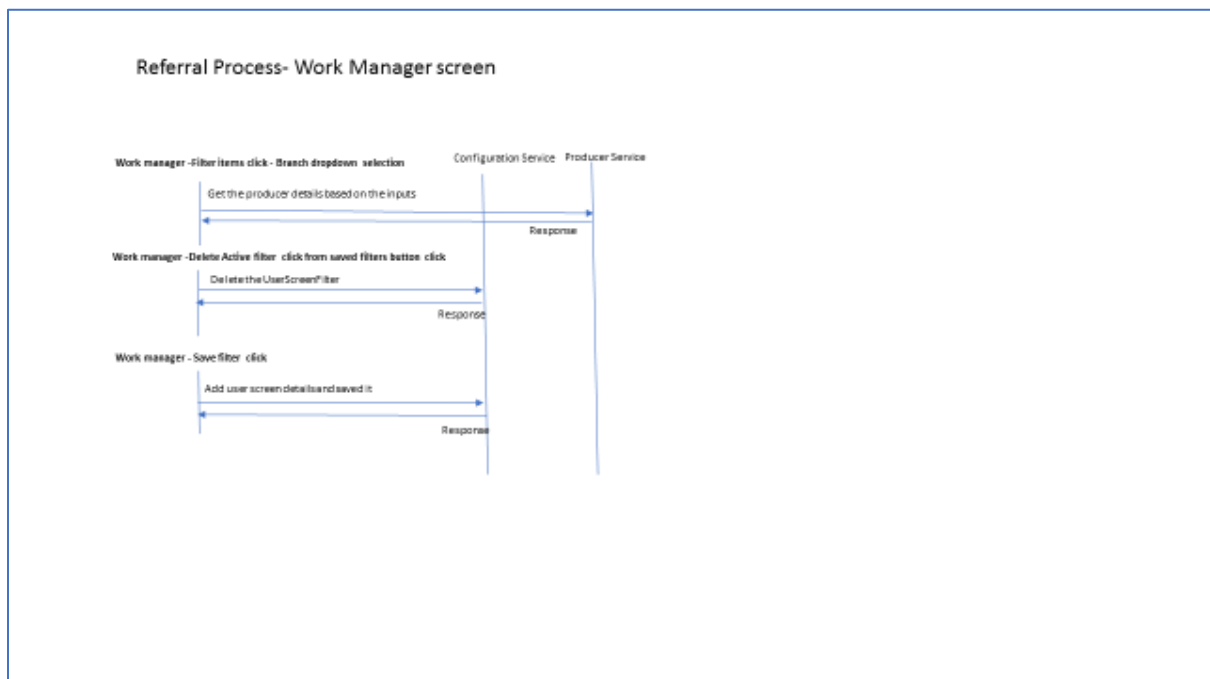
Function Name : Work manager -Filter items click - Branch dropdown selection, Work manager -Delete Active filter click from saved filters button click in work manager Inbox screen, Edit my inbox - Assign button click

Description :

Work manager -Filter items click - Branch dropdown selection

Internal Users - Underwriters can filter item of branch dropdown selection

Work manager -Delete Active filter click from saved filters button click in work manager Inbox screen

Internal Users - Underwriters can delete active filter click from saved filter button

Edit my inbox - Assign button click

Internal Users - Underwriters can edit my inbox and save the work item

User Authorization: Internal users - Underwriters will primarily use this function.

Implementation Details:

Work manager -Filter items click - Branch dropdown selection

- **Producer Service** will be called to filter item of branch dropdown selection of work item.

Work manager -Delete Active filter click from saved filters button click in work manager Inbox screen

- **Configuration Service** will be called to delete the active filter work item.

Edit my inbox - Assign button click

- **Configuration Service** will be called to edit my inbox and save the work item
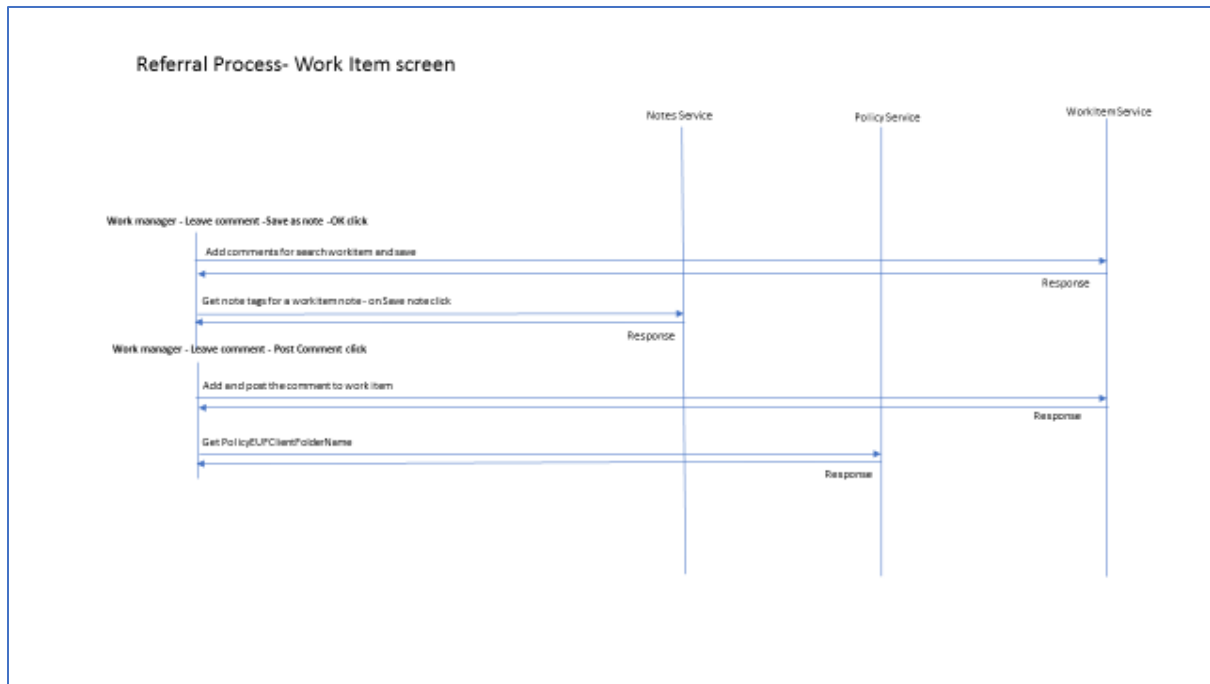
| |
|---|
| **Function Name : Work manager - Leave comment -Save as note -OK click,   Work manager - Leave comment - Post Comment click** |
| **Description :** Internal Users - Underwriters can write a comment box and save as note and also post a comment to the work item. |
| **User Authorization:** Internal users - Underwriters will primarily use this function. |
| **Implementation Details:**

Work manager - Leave comment -Save as note -OK click:

• **Security Service** will be called to get user account by login id
• **Notes Service** will be called to get note tags for a workitem note - on Save note click
• **Policy service** to get the EUF Client folder name.
• **Workitem Service** is used to get selected policy details on selecting policy from Global Search results grid.

Work manager - Leave comment - Post Comment click

• **Policy Service** will be called to get EUF client folder name.
• **Workitemservice** will be called to update the comment to the work item |

9.5   Quote Issuance
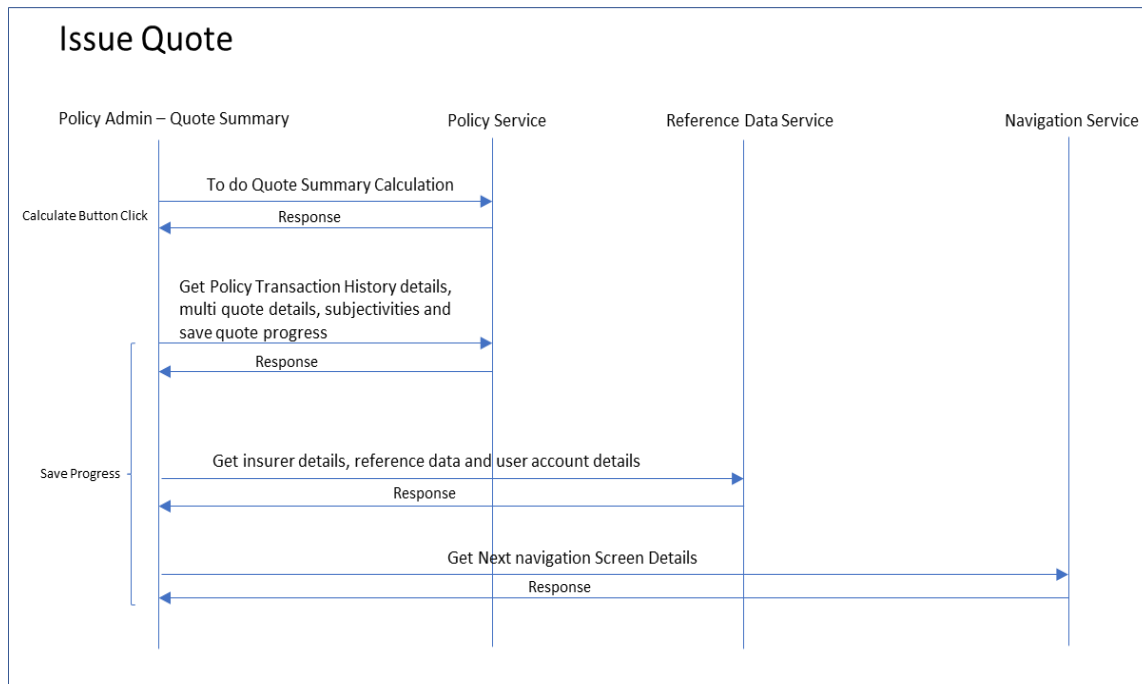
Issue Quote

Function Name : **Issue Quote**

Description: Quote evaluation will be displayed and summary can be calculated and persisted

Issue Quote - Calculate

Quote summary can be calculated by clicking on calculate button.

Issue Quote – Save Progress

By clicking Save Progress, updated quote summary will be persisted into DB.

User Authorization : Internal/External users will primarily use this function.
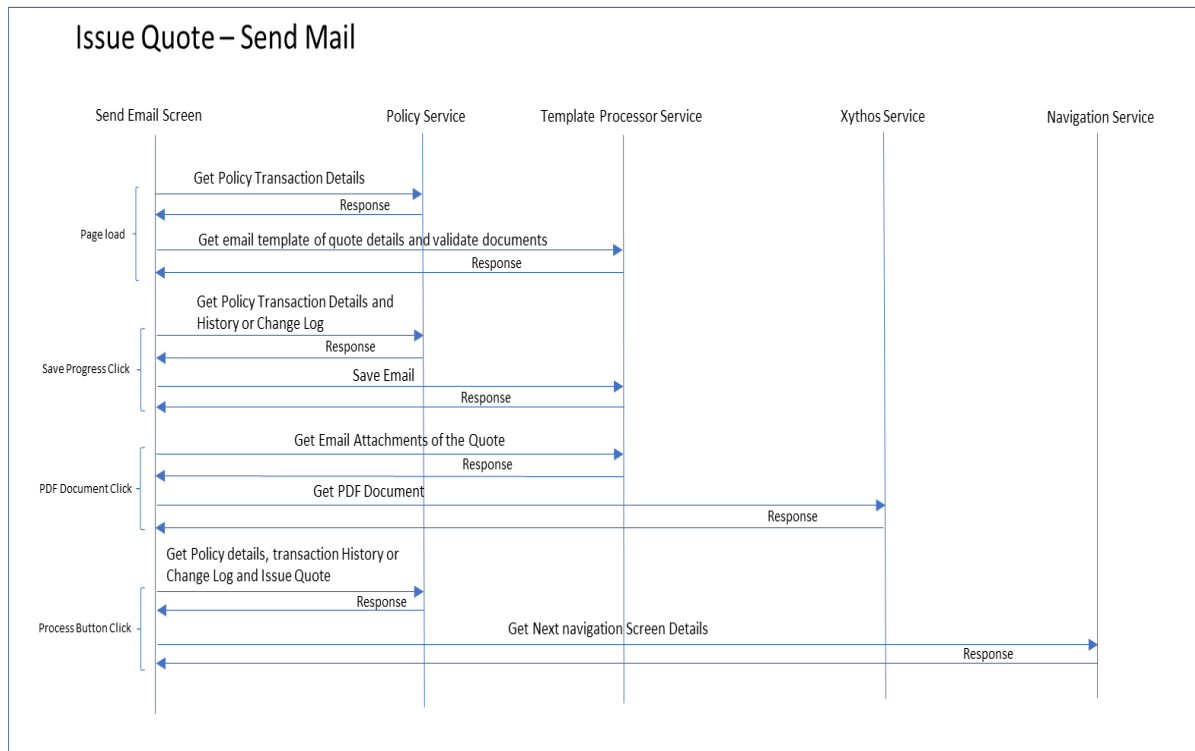
Implementation Details:

Issue Quote – Calculate

- **Policyservice** will be called to do quote summary calculation.

Issue Quote – Save Progress

- **Policyservice** will be called to get the policy transaction details, transaction history or change log, multi quote details, subjectivities details and save quote progress.
- **ReferenceDataService** will be called to get insurer details, reference data and user account details.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Issue Quote – Send Mail

Send Email Screen	Policy Service	Template Processor Service	Xythos Service	Navigation Service

Page load
- Get Policy Transaction Details → Response
- Get email template of quote details and validate documents → Response

Save Progress Click
- Get Policy Transaction Details and History or Change Log → Response
- Save Email → Response

PDF Document Click
- Get Email Attachments of the Quote → Response
- Get PDF Document → Response

Process Button Click
- Get Policy details, transaction History or Change Log and Issue Quote → Response
- Get Next navigation Screen Details → Response

Function Name : **Issue Quote – Send Mail**

Description: Quote details will be updated into email template and summary details will be converted to PDF and attached to the mail for users reference.

Send mail - Save Progress

Email updated with quote details generated using email template will be saved.

Send mail – PDF Document Retrieve

Quote summary details saved as PDF document in EUF will be retrieved and viewed.

Send mail – Proceed Button Click

Updated quoted will be saved and quote will be issued.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Send mail – Page Load

- **Policyservice** will be called to get Policy transaction details.
- **Template Processor Service** will be called to get email template of quote details and validate document

Send mail – Save Progress

- **Policyservice** will be called to get the policy transaction details and transaction history or change log.
- **Template Processor Service** will be called to save mail on EUF.

Send mail – Save Progress
- **Policyservice** will be called to get the policy transaction details, transaction history or change log and issue quote.
- **XythosService** will be called to read PDF document from EUF.

Send mail – Process
- **Policyservice** will be called to get the policy transaction details, transaction history or change log and issue quote.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.6 Policy Issuance

Binding – Proceed with Bind
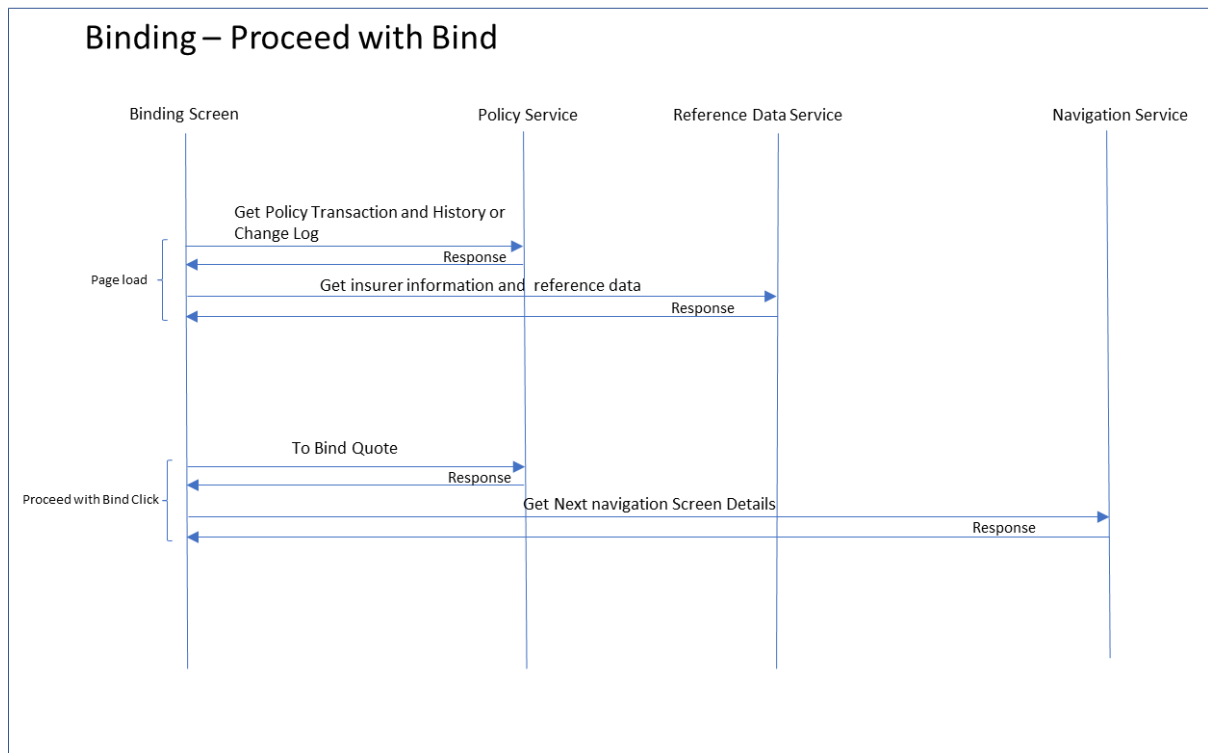
| Function Name : **Binding – Proceed with Bind** |
| --- |
| **Description:** On Binding the quote, Policy number will be generated. |
| **User Authorization :** Internal/External users will primarily use this function. |
| **Implementation Details:**

Binding – Page Load

- **Policyservice** will be called to get policy transaction details and transaction history or change log.
- **ReferenceDataService** will be called to get insurer details and reference data

Binding – Proceed with Bind |

- **Policyservice** will be called to bind the quote.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Appraisals – Add Appraisal Contacts
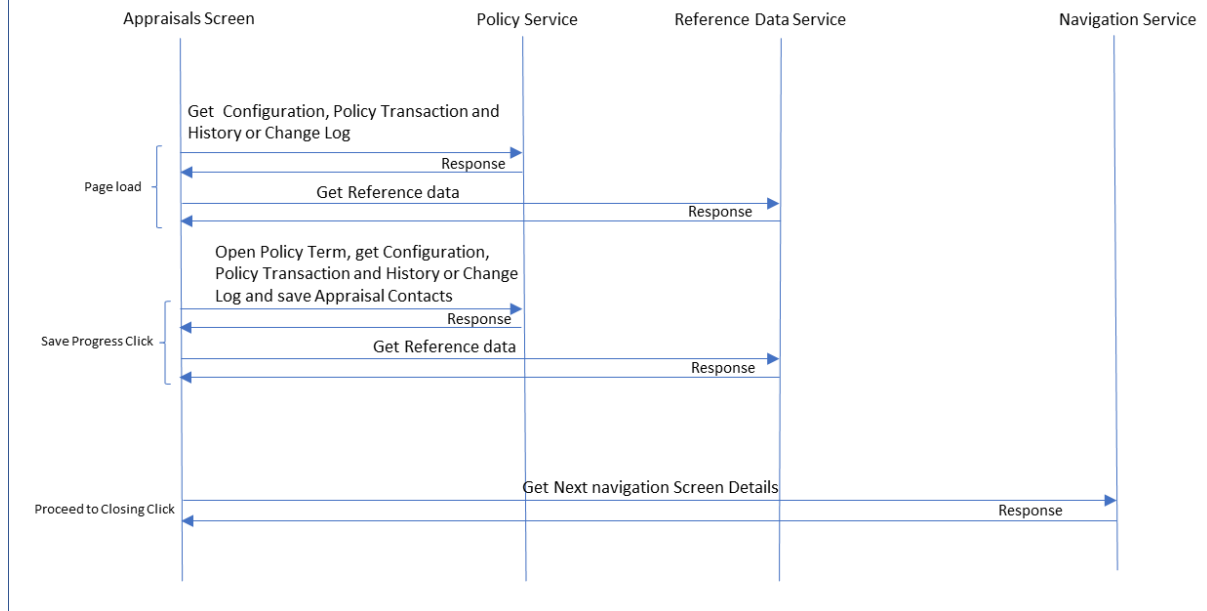
Function Name : **Appraisals – Add Appraisal Contacts**

Description: After policy number generated, we will be re-directed to add appraisal contacts and proceed to closing policy Screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Page Load

- **Policyservice** will be called to get policy configuration, transaction details and transaction history or change log.
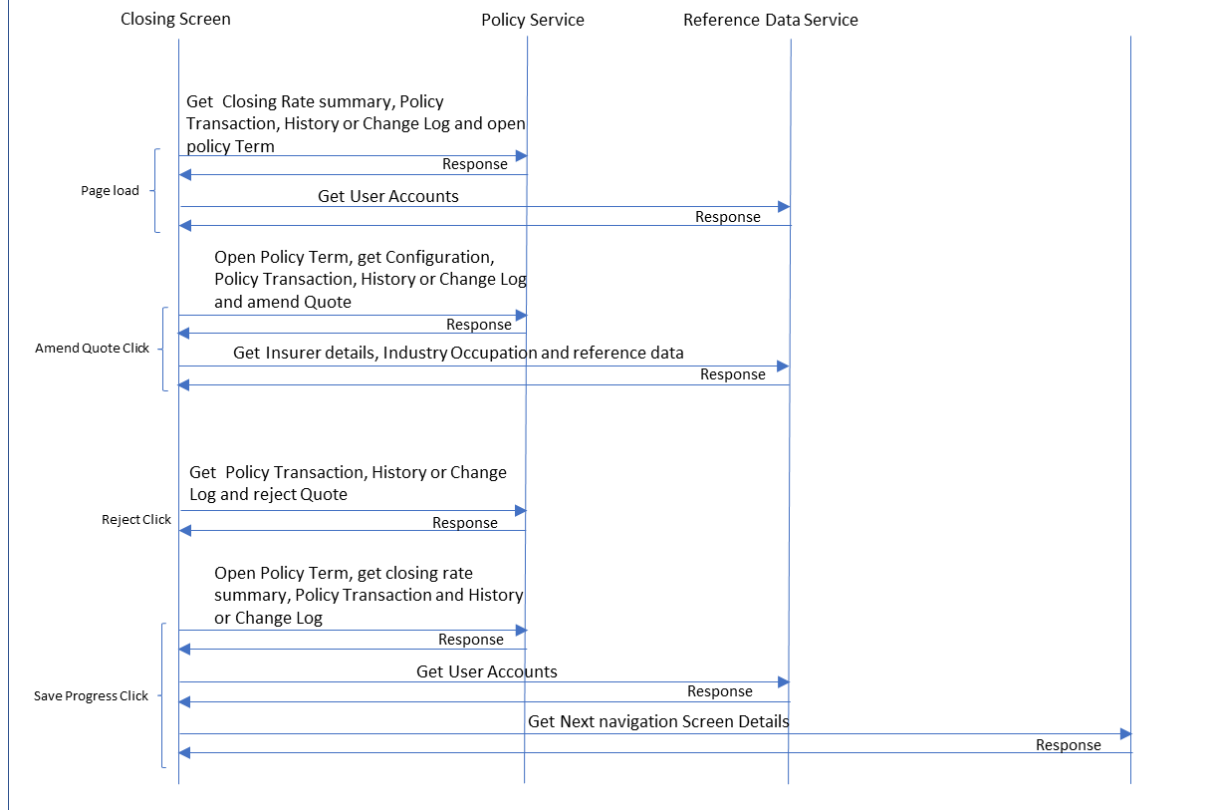- **ReferenceDataService** will be called to get reference data.

Save Progress

- **Policyservice** will be called to open Policy Term, get Configuration, Policy Transaction and History or Change Log and save Appraisal Contacts.
- **ReferenceDataService** will be called to get reference data.

Proceed to Closing

- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Closing – Amend, Reject and Save progress

Function Name : **Closing – Amend, Reject and Save progress**

Description: Closing policy screen will have functionality to amend quote/reject.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Page Load

- **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term.
- **ReferenceDataService** will be called to get user accounts.

Amend Quote

- **Policyservice** will be called to Open Policy Term, get Configuration, Policy Transaction, History or Change Log and amend Quote.

- **ReferenceDataService** will be called to get insurer details, industry occupation and reference data.

Reject Quote

- **Policyservice** will be called to get Policy Transaction, History or Change Log and reject quote.

Save Progress
- **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term.
- **ReferenceDataService** will be called to get user accounts.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Closing – Issue Document Early
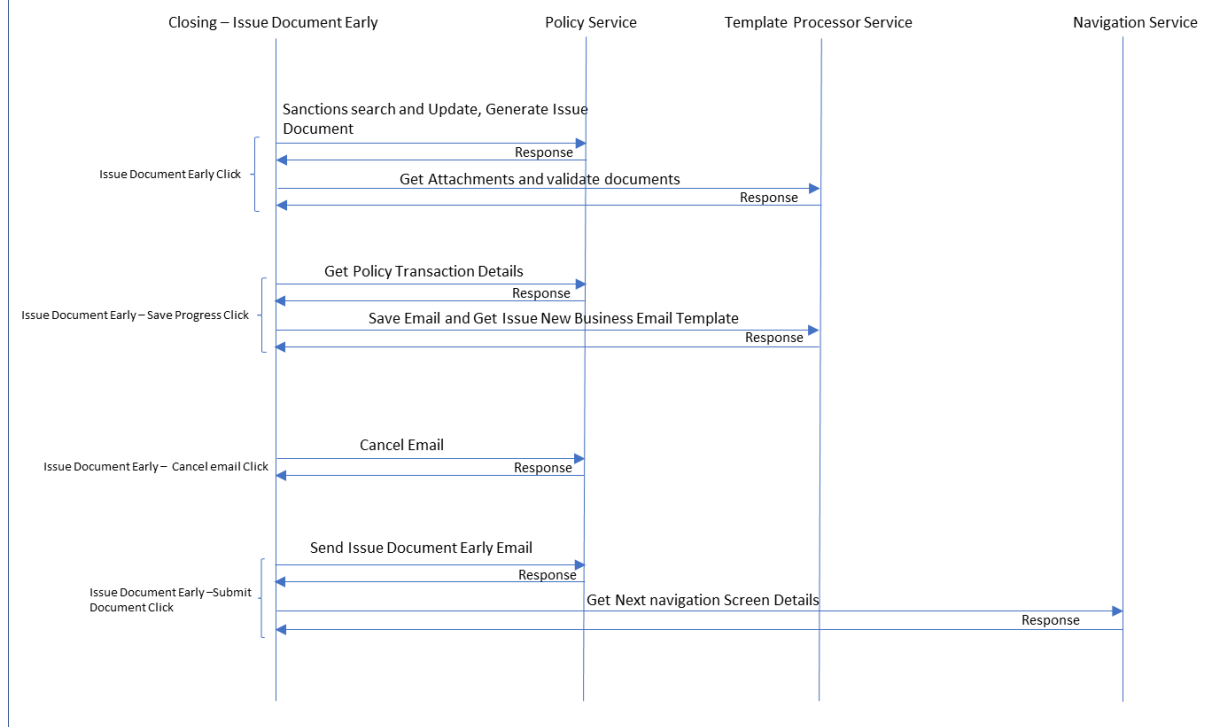
Function Name : Closing – Issue Document Early

Description: On clicking Issue document early button, underwriter will be enabled to send the policy documents early to the client

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Issue Document Early

- **Policyservice** will be called to do sanctions search & update and to generate issue document.
- **TemplateProcessorService** will be called to get attachments and validate documents.

Save Progress Click

- **Policyservice** will be called to get policy transaction details.
- **TemplateProcessorService** will be called to save email and get issue new business email template.

Cancel Email

- **Policyservice** will be called to cancel email.

Submit Document
- **Policyservice** will be called to send issue document early email.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Closing – Confirmation of Coverage
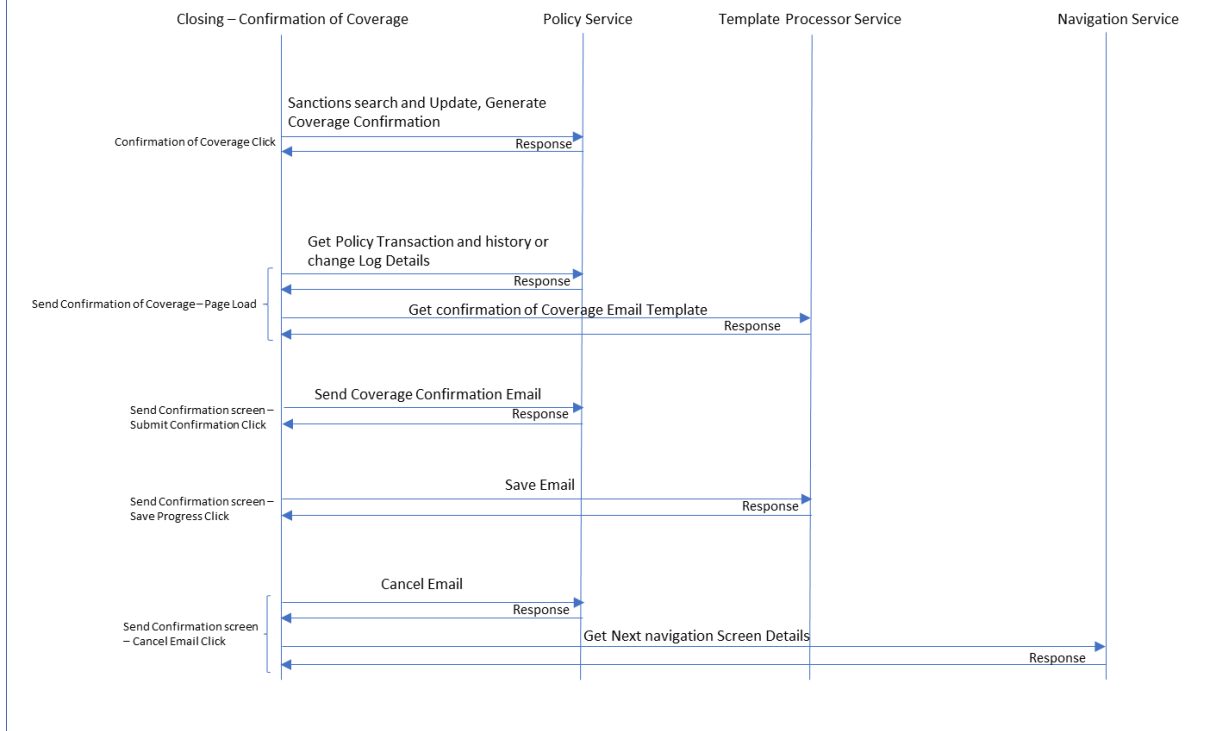
Function Name : **Closing – Confirmation of Coverage**

Description: On clicking Confirmation of Coverage button, policy coverage details will be validated and confirmed.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Confirmation of Coverage

- **Policyservice** will be called to do Sanctions search & Update and Generate Coverage Confirmation

Send Confirmation of Coverage – Page Load

- **Policyservice** will be called to get Policy Transaction and history or change Log Details.
- **TemplateProcessorService** will be called to get confirmation of Coverage Email Template.

Submit Confirmation

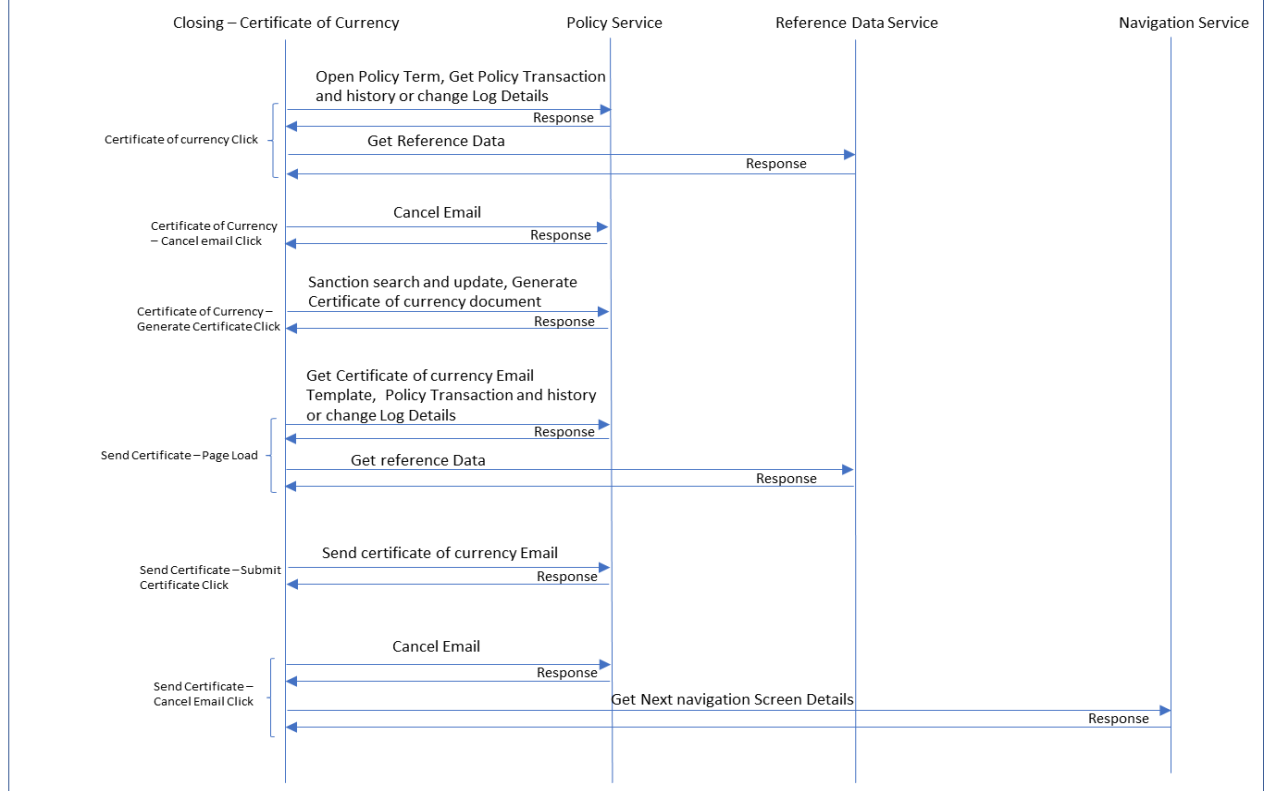- **Policyservice** will be called to Send Coverage Confirmation Email

Save Progress

- **Policyservice** will be called to save email.

Cancel Email

- **Policyservice** will be called to cancel email
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Closing – Certificate of Currency

Function Name : **Closing – Certificate of Currency**

Description:

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Certificate of Currency

- **Policyservice** will be called to Open Policy Term, Get Policy Transaction and history or change Log Details.
- **ReferenceDataService** will be called to get Reference Data.

Certificate of Currency – Cancel email

- **Policyservice** will be called to cancel email

Generate Certificate

- **Policyservice** will be called to do Sanctions search & Update and Generate Certificate of currency document

Send Certificate – Page Load

- **Policyservice** will be called to get Certificate of currency Email Template, Policy Transaction and history or change Log Details.
- **ReferenceDataService** will be called to get Reference Data.

Submit Certificate

- **Policyservice** will be called to Send certificate of currency Email.

Cancel Email

- **Policyservice** will be called to cancel email
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Closing – Book & Issue Policy
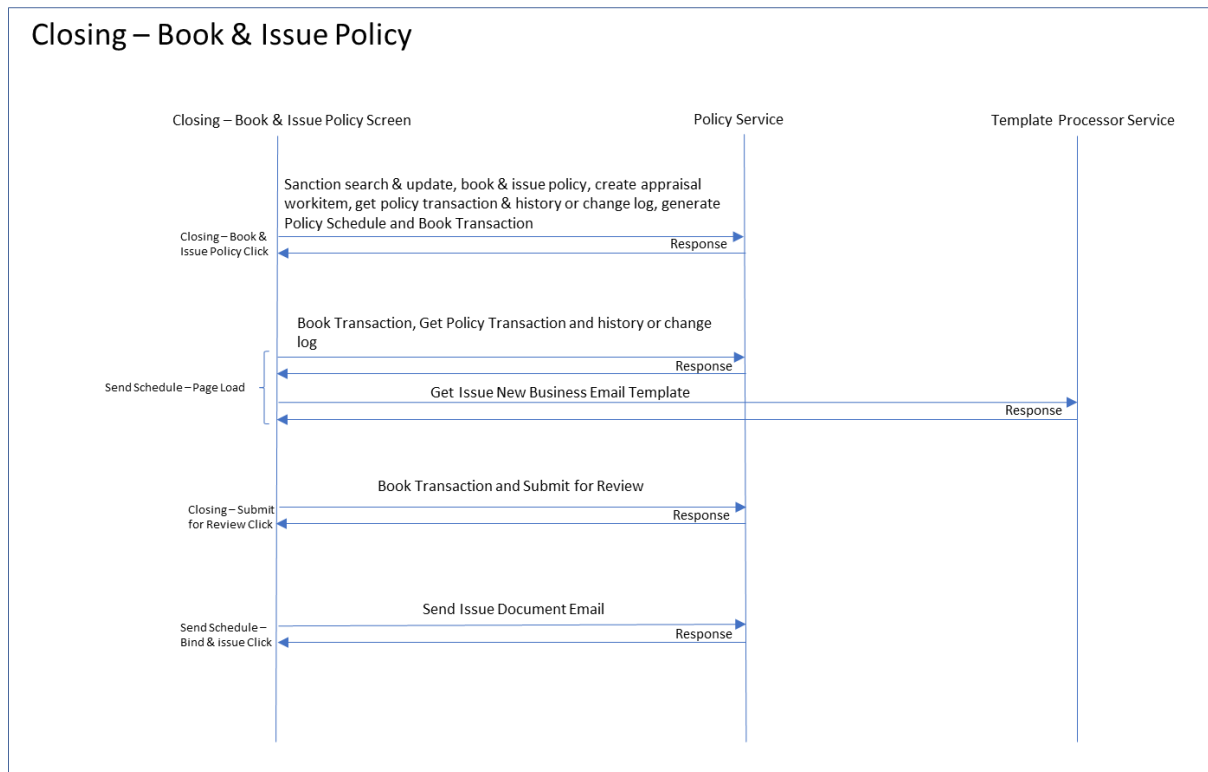
Function Name : **Closing – Book & Issue Policy**

Description: Policy will be ready to book to merdien and policy documents will be issued to client.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Book & Issue Policy

- **Policyservice** will be called to do Sanction search & update, book & issue policy, create appraisal workitem, get policy transaction & history or change log, generate Policy Schedule and Book Transaction

Send Schedule – Page Load

- **Policyservice** will be called to Book Transaction, Get Policy Transaction and history or change log.
- **TemplateProcessorService** will be called to Book Transaction and Submit for Review.
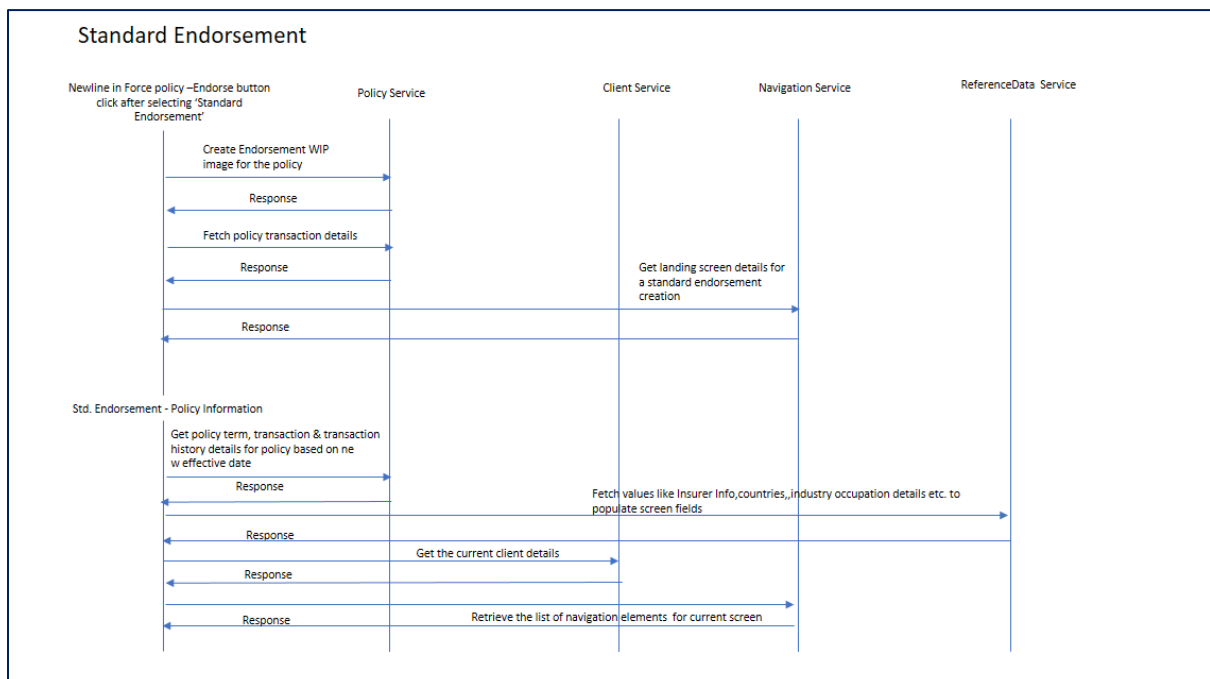
Submit for Review

- **Policyservice** will be called to book transaction, get policy transaction and history or change log.

Bind & issue
- **Policyservice** will be called to Send Issue Document Email

9.7   Endorsement
9.7.1 Standard Endorsement

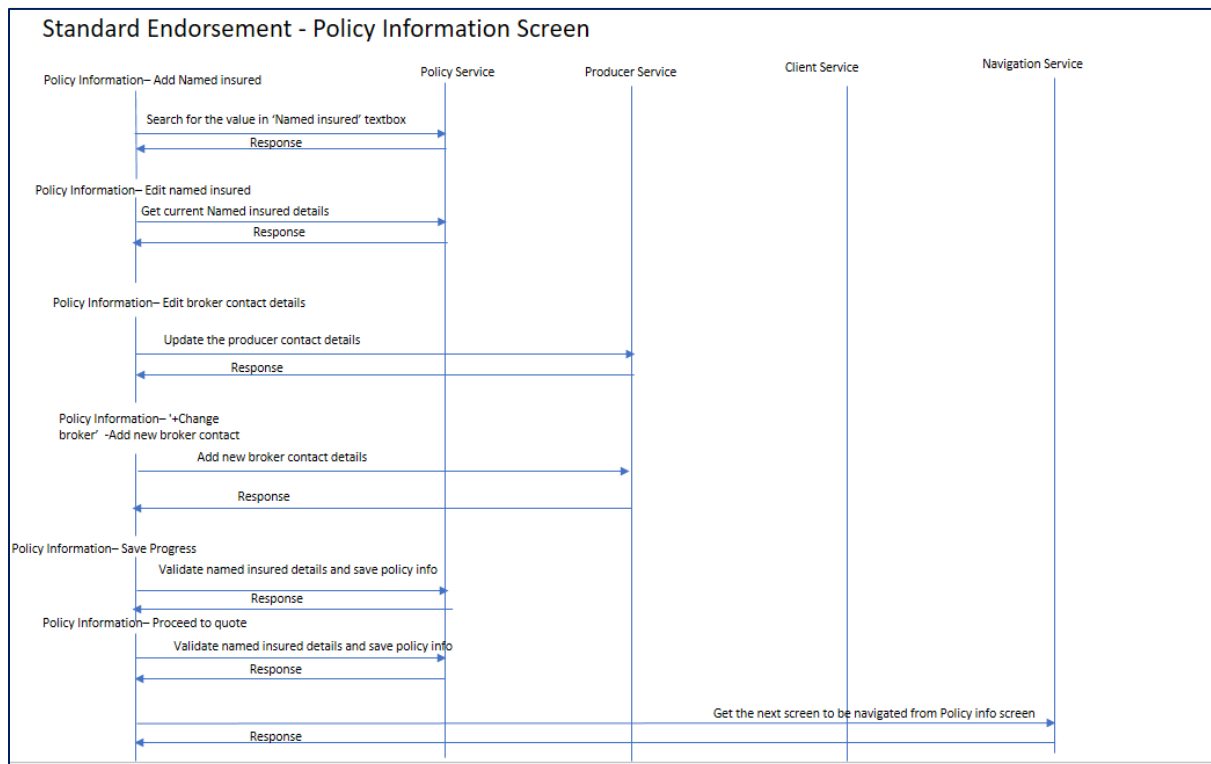**Function Name: Standard Endorsement**

Description: Internal users as well as external users can initiate a standard endorsement for a policy in 'Newline in Force' status by clicking the Endorse button in the Policy information screen.Standard endorsement can be done for adding/editing policy details like coverage, interested party etc.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

- **Policyservice createPolicyEndorsementWIPImage** method will be called to created Endorsement WIP image of the policy.
- **Policyservice getPolicyTransaction** method will return the transaction details of the policy
- **Navigationservice** call will return the landing screen details for a standard endorsement creation.

9.7.1.1 Standard endorsement -Policy Information

Function Name: Standard endorsement -Policy Information
Description:
Policy Information screen for a standard endorsement in progress will capture policy details like named insured,policy term ,broker etc for the standard endorsement transaction. Policy Information — Add Named insured

While doing a Standard endorsement,the named insured details can be added by clicking the 'Add Named Insured' button in the Policy information screen.A pop-up window will open on clicking this button, wherein the user can search for the named insured details.

Policy Information – Edit named insured details

During a Standard endorsement, the existing named insured details for the quote can be editted by clicking the Edit icon in the Policy information screen. 'Edit Named insured' pop-up window will open with the current named insured details.

Policy Information – Edit broker contact details

As part of a Standard endorsement,user can edit the existing broker contact details for the current quote by clicking the 'Edit broker contact details' button in the Policy information screen. A pop-up window will open on clicking this button, with the current broker contact details.

Policy Information – Change broker contact

A new broker can be added to the Standard endorsement transaction by clicking the 'Change broker contact' button in the Policy information screen. A pop-up window will open on clicking this button, where a 'Add new broker contact' button will be there.

Policy Information – Save Progress

Details entered so far in policy information screen for a Standard endorsement can be intermediately saved by clicking 'Save Progress' button.

Policy Information – Proceed to quote (Standard endorsement in Progress)

The policy information details for a Standard endorsement will be saved on clicking '**Proceed to quote**' button in the Policy information screen and user will be navigated to the 'Risks/Coverages' screen.

User Authorization: Internal/External users will primarily use this function.

Implementation Details:

Policy Information–Page load

- **Policyservice** will be called to get policy term,transaction and transaction history details for selected policy based on effective date .
- **ReferenceDataService** call will fetch values like Insurer Info,countries,location details etc. to populate screen fields.
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationOpenPolicy** method call will retrieve the landing screen details for a standard endorsement creation.

Policy Information– Add Named insured

- User can search for a named insured by providing the value in 'Named insured' textbox in the 'Add Named Insured' pop-up window.
- **Policyservice** will be called to retrieve the named insured details based on the given named insured name in the 'Add Named Insured' pop-up window
- The named insured search results returned from **Policyservice** will be displayed in the grid.

Policy Information – Edit named insured details

- **Policyservice** will be called to retrieve the existing named insured details.
- Current named insured details will be displayed in the 'Edit Named insured' pop-up window.

Policy Information – Edit broker contact details

- **ProducerService** will be called to update the broker/producer details based on the given broker details in the 'Edit Broker Contact' pop-up window.

Policy Information – Change broker contact

- **ProducerService** will be called to add the given broker/producer details in the 'Add Broker Contact' pop-up window.

Policy Information – Save Progress

- **Policyservice** will be called to validate the named insured details and to save the policy information details.

Policy Information – Proceed to quote (Quote in Progress)
- **Policyservice validateNamedInsureds** method will be called to validate the named insured details and savePolicy method to save the policy information.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.2 Standard endorsement - Risks/coverages
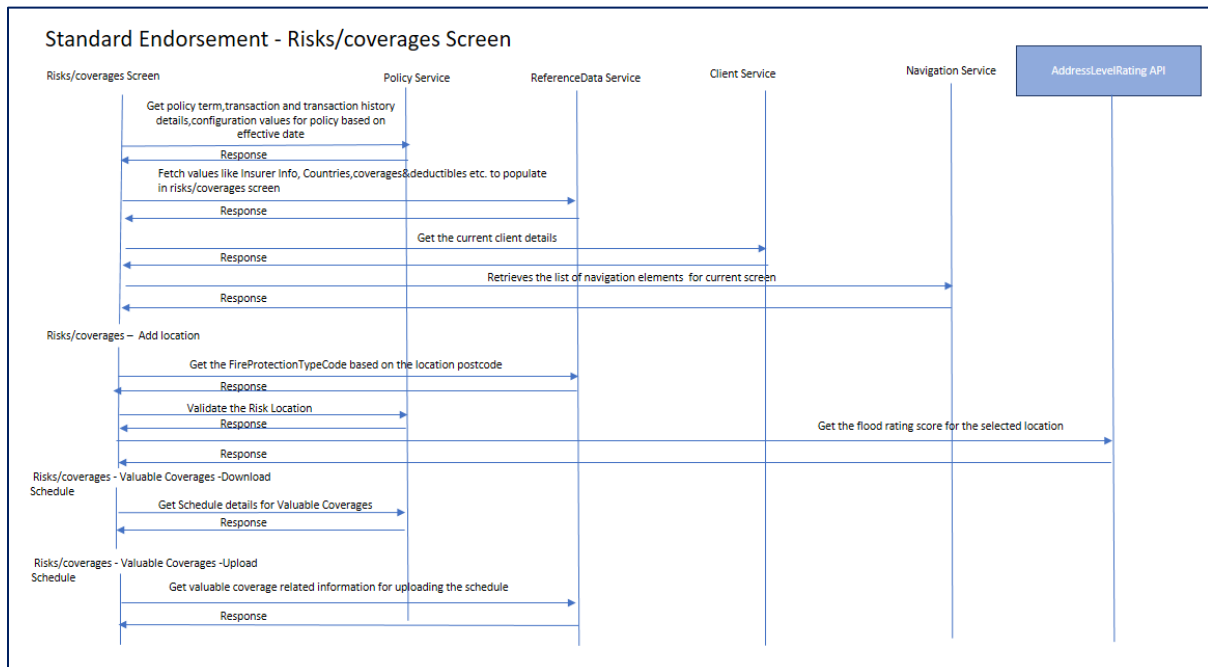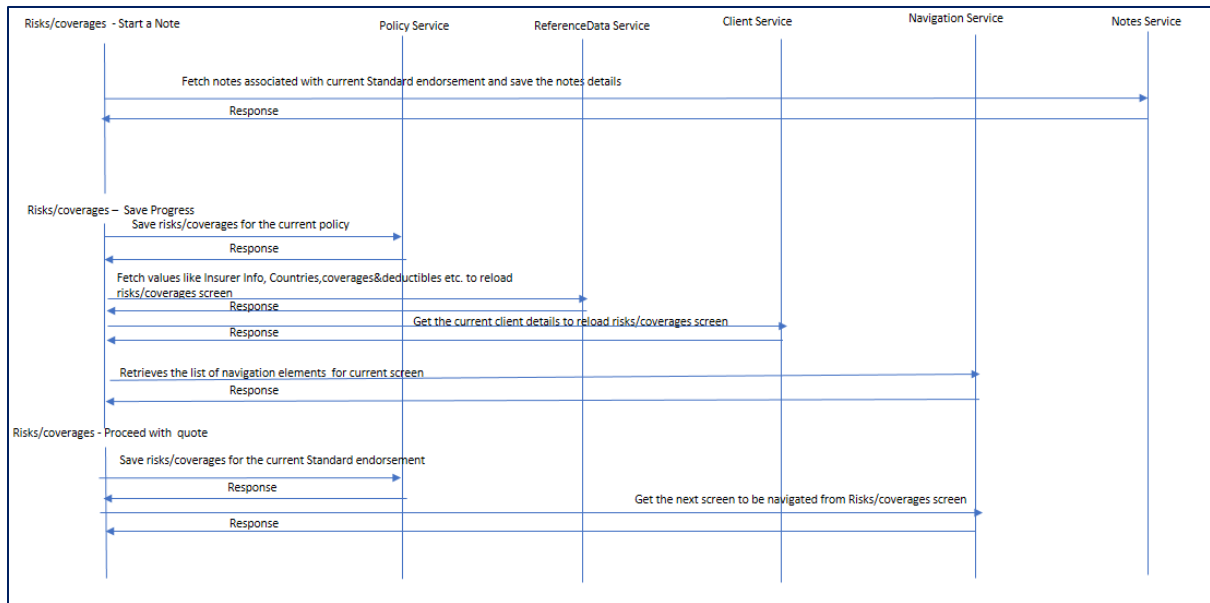
Function Name: Standard endorsement - Risks/coverages

Description: The Risks/coverages screen will be displayed to the user to capture the Risks and coverage details for the current Standard endorsement transaction.

Risks/coverages - Add location

Risk location can be added by clicking the 'Add location' button in the Risks/Coverages screen. 'Add Risk Location' pop-up window will open where the new location details can be added.

Risks/coverages - Save new location

A new risk location can be added to the policy by entering the location details and clicking '**Save this new location**' button in '**Add Risk Location**' pop-up window.

Risks\Coverages -Start a Note

Notes can be added by clicking the '**Start a Note'** button in the Risks/Coverages screen.

Risks\Coverages - Valuable Coverages - Download Schedule click

Schedule details for Valuable Coverages can be downloaded by clicking the '**Download Schedule'** button in the Risks/Coverages screen.

Risks\Coverages - Valuable Coverages - Upload Schedule click
Schedule details for Valuable Coverages can be uploaded by clicking the '**Upload Schedule'** button in the Risks/Coverages screen.

Risks\Coverages – Save Progress

Details entered at any point in the Risks/Coverages screen for a Standard endorsement can be saved by clicking 'Save Progress' button.

Risks\Coverages – Proceed with Quote

By clicking Proceed with Quote button, Risks/Coverages details for a Standard endorsement will be saved to DB and user will be navigated to Interested parties screen.

User Authorization: Internal/External users will primarily use this function.

Implementation Details:

Risks/coverages -Page load

- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info,countries etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Risks/coverages - Add location

- **ReferenceDataService** call will be made to get the FireProtectionTypeCode based on the location postcode and state province details.

Risks/coverages - Save new location

- Call will be made to the **AddressLevelRatingService API** to get the flood rating score
- **Policyservice validateRiskLocation** method call will to validate the entered risk location.

Risks\Coverages -Start a Note

- **NotesService** call will be made to get the existing notes, if any, and to save the notes.

Risks\Coverages - Valuable Coverages - Download Schedule click
- **Policyservice getVacItemsForAIMSProperty** method call will return the Schedule details for Valuable Coverages.

Risks\Coverages - Valuable Coverages - Upload Schedule click

- **ReferenceDataService getReferenceData** method call will be made to get valuable coverage related information for uploading the schedule.

Risks\Coverages – Save Progress

- **Policyservice** will be called to get the policy transaction details including transaction history and to save the risks and coverages for current policy.
- Details like insurer info,coverage & deductibles info will be retrieved from **ReferenceDataService** to reload the screen**.
- **ClientService** call will retrieve the current client details to reload the screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Risks\Coverages – Proceed with Quote
- Risks/Coverages details for the current policy will be saved to the DB by calling the **Policyservice savePolicyRisksCoverages** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.3 Standard endorsement - Interested parties
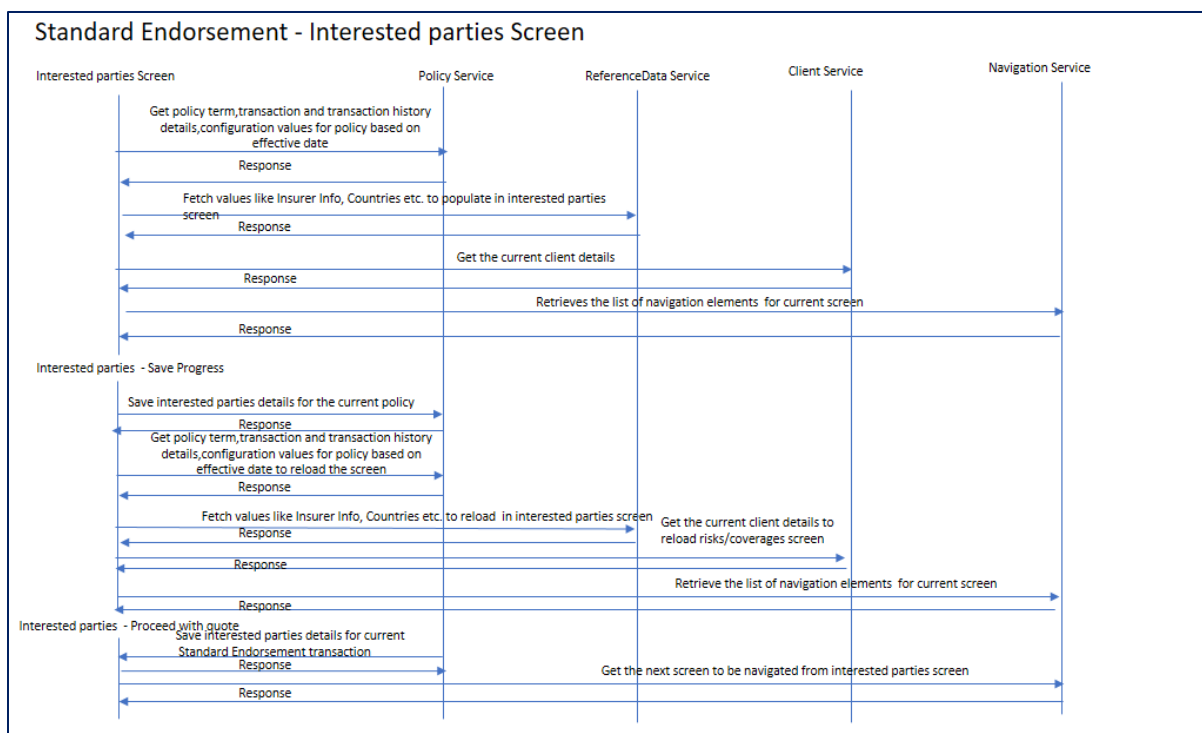
Standard Endorsement - Interested parties Screen

Function Name : Standard endorsement - Interested parties

Description: The Interested parties screen will be displayed to the user to capture the Interested parties details for the current Standard endorsement transaction.

Interested parties - Save Progress

Details entered at any point in the Interested parties screen can be saved by clicking 'Save Progress' button.

Interested parties - Proceed with Quote

By clicking Proceed with Quote button, interested parties details will be saved to DB and user will be navigated to Liability screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Interested parties – Page load

- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info,coverage & deductibles info will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Interested parties - Save Progress
- Interested parties details for the current policy will be saved to the DB by calling the **Policyservice.saveInterestedParties** method.
- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info,fire protection type info etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Interested parties - Proceed with Quote

- Interested parties' details for the current policy will be saved to the DB by calling the **Policyservice saveInterestedParties** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.4 Standard endorsement - Liability
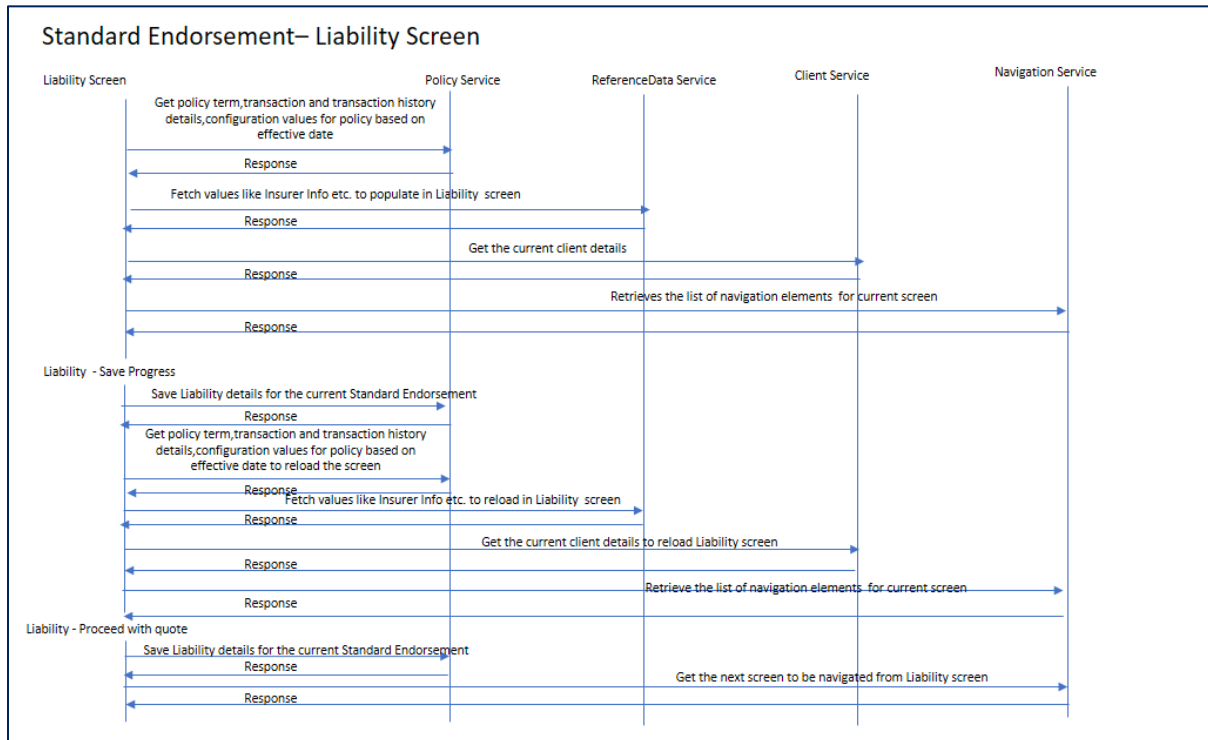
Function Name: Standard endorsement - Liability

Description: The Liability screen will be displayed to the user to capture the Liability details for the current Standard endorsement transaction.

Liability- Save Progress

Details entered at any point in the Liability screen can be saved by clicking 'Save Progress' button.

Liability - Proceed with Quote

By clicking Proceed with Quote button, Liability details for Standard endorsement transaction will be saved to DB and user will be navigated to Loss History screen.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Liability– Page load

- **Policyservice** will be called to get the policy transaction details including transaction history.

- Details like insurer info will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Liability - Save Progress

- Liability details for the current policy will be saved to the DB by calling the **Policyservice saveLiability** method.
- **Policyservice** will be called to get the policy transaction details including transaction history.
- Details like insurer info etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Liability- Proceed with Quote

- Liability details for the current policy will be saved to the DB by calling the **Policyservice saveLiability** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.5 Standard endorsement - Loss History
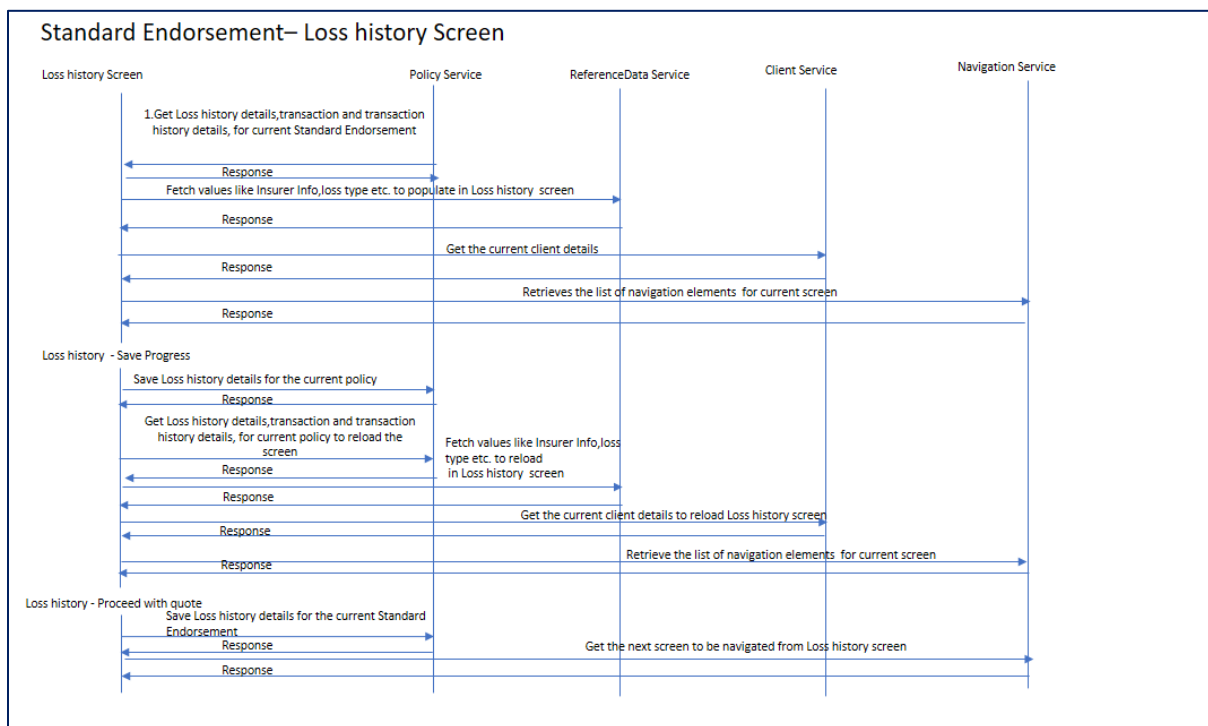
Function Name: **Standard endorsement - Loss History**

Description: The Loss History screen will be displayed to the user to capture the Loss History details for the current Standard endorsement.

Loss History - Save Progress

Details entered at any point in the Loss History screen can be saved by clicking 'Save Progress' button.

Loss History - Proceed with Quote

By clicking Proceed with Quote button, Loss History details for Standard endorsement will be saved to DB and user will be navigated to Rating summary screen.

User Authorization: Internal/External users will primarily use this function.

Implementation Details:

Loss History – Page load

- **Policyservice** will be called to get the policy transaction details including transaction history and LossHistory for current policy.
- Pre-policy claims from PRISM/PRIMA will be fetched from **Policyservice getPrePolicyClaims method**
- Details like insurer info, loss type will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.
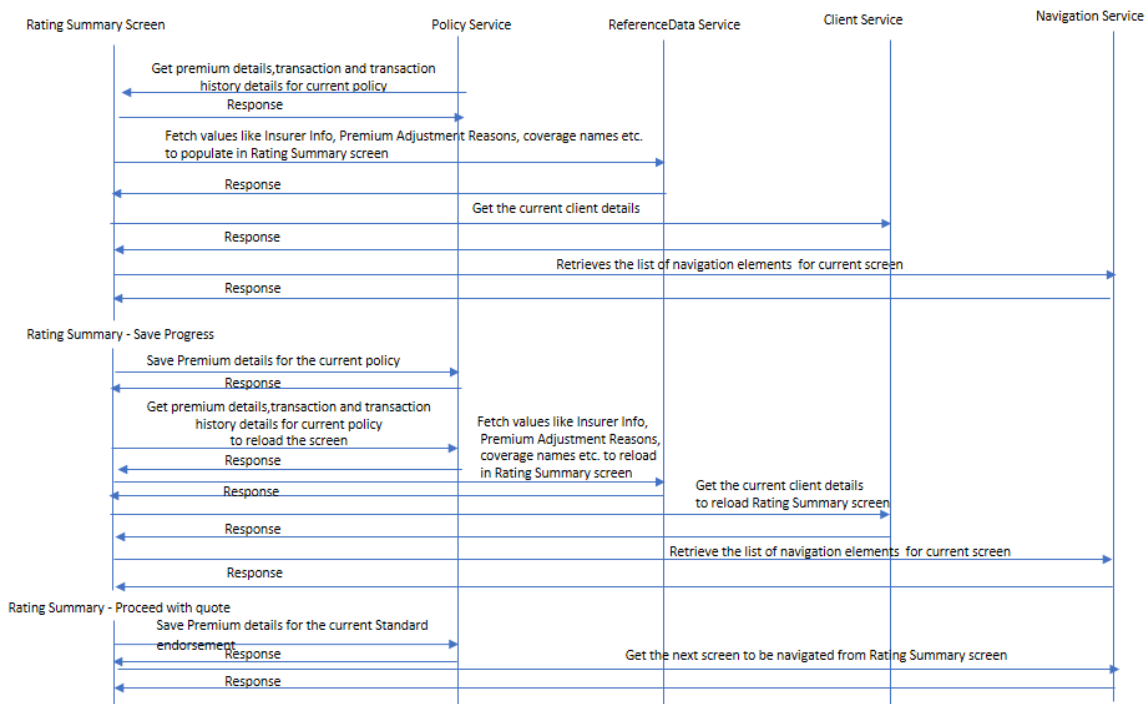
Loss History - Save Progress

- Loss History details for the current Standard endorsement will be saved to the DB by calling the **Policyservice saveLossHistory** method.
- **Policyservice** will be called to get the policy transaction details including transaction history and LossHistory for current Standard endorsement and reload the details.
- Details like insurer info, loss type etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Loss History - Proceed with Quote

- Loss History details for the current policy will be saved to the DB by calling the **Policyservice saveLossHistory** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.6 Standard endorsement - Rating Summary

Standard Endorsement– Rating Summary Screen

Function Name: Standard endorsement - Rating Summary

Description: The Rating Summary screen will be displayed to the user to capture the coverage wise and cumulative premium, sum insured and commission details for the current Standard endorsement.

Rating Summary - Save Progress

Details entered at any point in the Rating Summary screen can be saved by clicking 'Save Progress' button.

Rating Summary - Proceed with Quote

By clicking Proceed with Quote button, Rating Summary details will be saved to DB and user will be navigated to Appraisals screen.

User Authorization: Internal/External users will primarily use this function.

Implementation Details:

Rating Summary – Page load

- **Policyservice** will be called to get the policy transaction details including transaction history and the premium details.
- Details like Insurer Info, Premium Adjustment Reasons, coverage names etc. to populate in Rating Summary screen will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Rating Summary - Save Progress

- Premium details for the current policy will be saved to the DB by calling the **Policyservice savePremium** method.

- **Policyservice** will be called to get the policy transaction details including transaction history and the premium details and reload the details.
- Details like Insurer Info, Premium Adjustment Reasons, coverage names etc. to populate in Rating Summary screen will be retrieved from **ReferenceDataService** to reload the page**.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Rating Summary - Proceed with Quote

- Premium details for the current policy will be saved to the DB by calling the **Policyservice savePremium** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.7 Standard endorsement – Appraisals
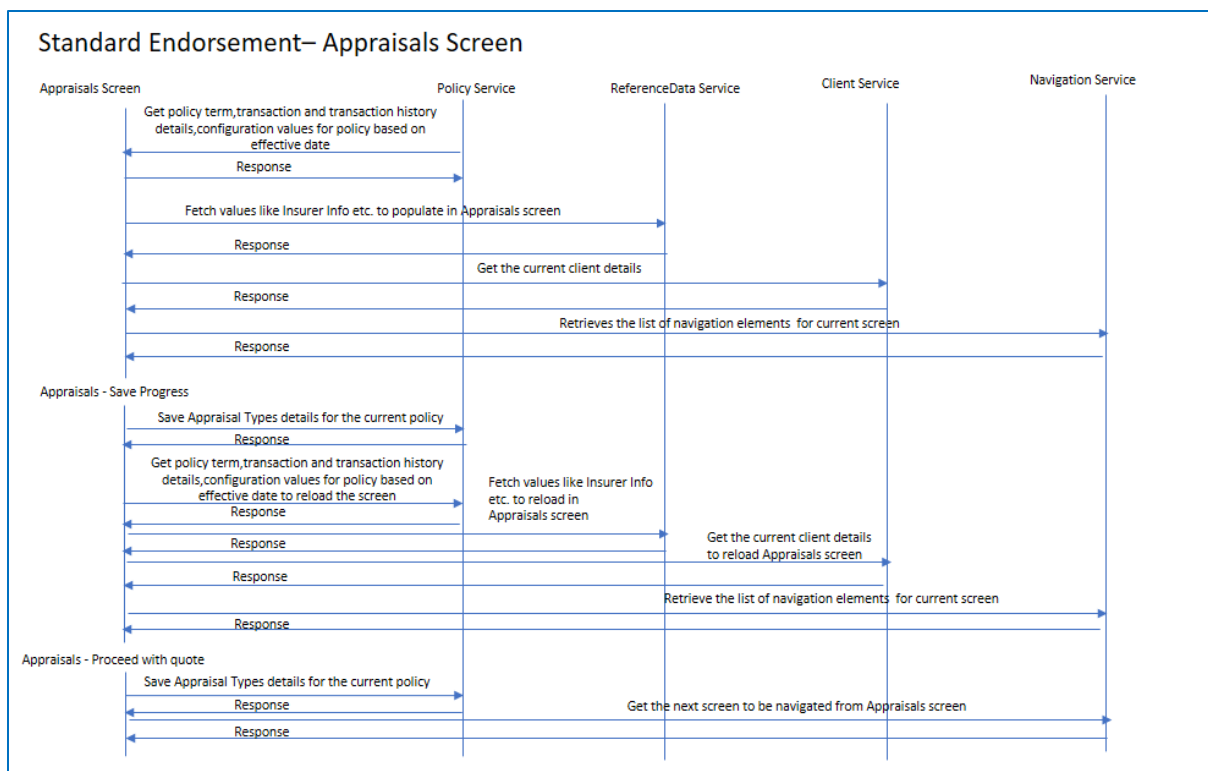
Function Name: Standard endorsement - Appraisals

Description: The Appraisals screen will be displayed to the user to capture the Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current Standard endorsement.

Appraisals - Save Progress

Details entered at any point in the Appraisals screen can be saved by clicking 'Save Progress' button.

Appraisals - Proceed with Quote

By clicking Proceed with Quote button, Appraisals details will be saved to DB and user will be navigated to Subjectivities & Clauses screen.

User Authorization: Internal users will primarily use this function.

Implementation Details:

Appraisals – Page load

- **Policyservice** will be called to get the policy term,transaction and transaction history details,configuration values for policy based on effective date.
- Details like Insurer Info etc. to populate in Appraisals screen will be retrieved from **ReferenceDataService**.
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

Appraisals - Save Progress

- Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current policy will be saved to the DB by calling the **Policyservice saveAppraisalTypes** method.
- **Policyservice** will be called to get the policy term,transaction and transaction history details,configuration values for policy based on effective date and reload the details.
- Details like Insurer Info etc. to reload in Appraisals screen will be retrieved from **ReferenceDataService** to reload the page**.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Appraisals screen to reload.

Appraisals - Proceed with Quote

- Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current policy will be saved to the DB by calling the **Policyservice saveAppraisalTypes** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.8 Standard endorsement -Subjectivities & Clauses
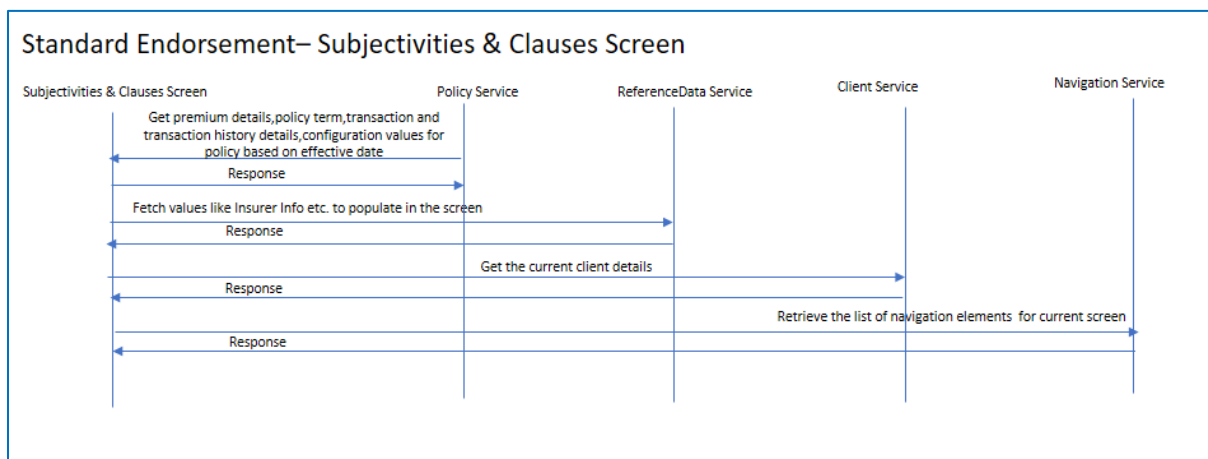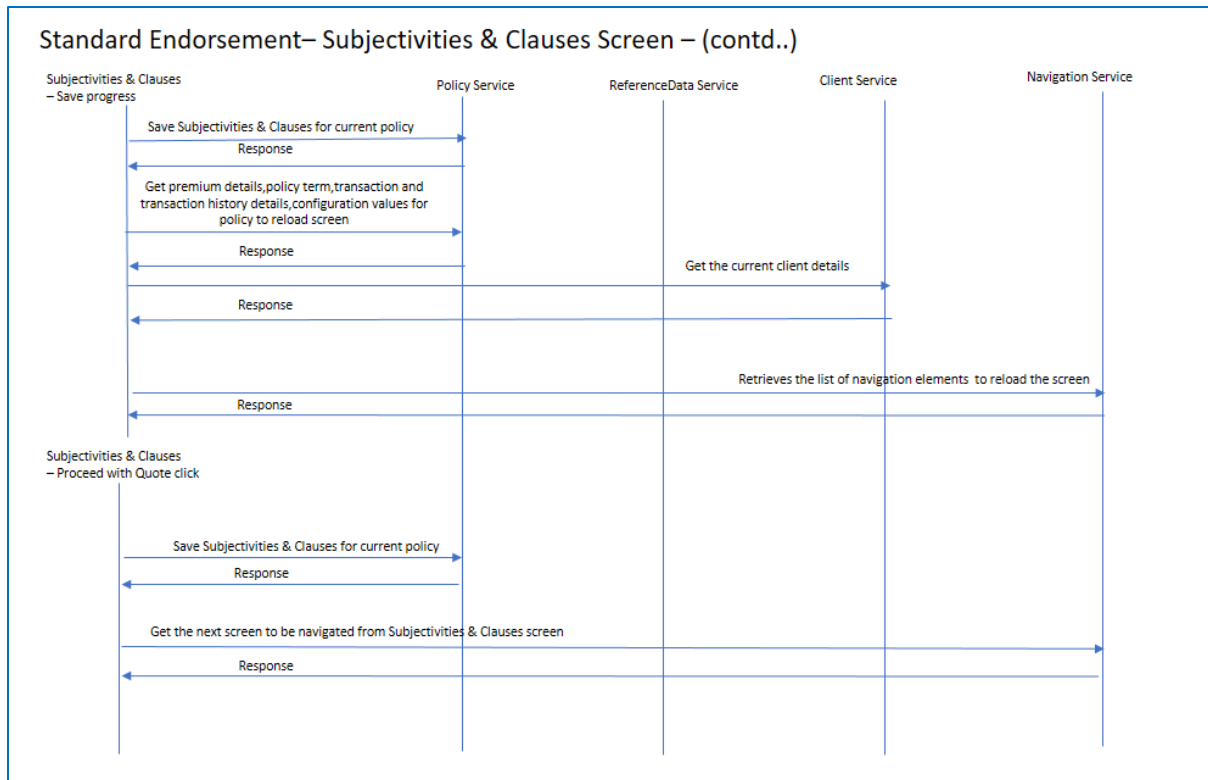
Standard Endorsement– Subjectivities & Clauses Screen – (contd..)

Function Name: Standard endorsement- Subjectivities & Clauses

Description: The Subjectivities & Clauses screen will be displayed to the user to capture the Subjectivities, Clauses & notifications associated with the current policy.

Subjectivities & Clauses - Save Progress

Details entered at any point in the Subjectivities & Clauses screen can be saved by clicking 'Save Progress' button.

Subjectivities & Clauses - Proceed with Quote

By clicking Proceed with Quote button, the Subjectivities & Clauses details will be saved to DB and user will be navigated to Quote Summary screen.

User Authorization: Internal users will primarily use this function.

Implementation Details:

Subjectivities & Clauses – Page load

- **Policyservice** will be called to get the premium details,policy term,transaction and transaction history details,configuration values for policy based on effective date.
- Details like Insurer Info etc. to populate in Subjectivities & Clauses screen will be retrieved from **ReferenceDataService**.
- **ClientService** call will retrieve the current client details.
- The list of subjectivities,clauses and notifications for the current policy will be fetched from **cache**.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Subjectivities & Clauses screen.

Subjectivities & Clauses - Save Progress

- The list of subjectivities,clauses and notifications for the current policy will be saved to the DB by calling the **Policyservice saveSubjectivitiesAndClauses** method.
- **Policyservice** will be called to get the premium details,policy term,transaction and transaction history details,configuration values for policy based on effective date and reload the details.
- Details like Insurer Info etc. to reload in Appraisals screen will be retrieved from **ReferenceDataService** to reload the page**.**
- **ClientService** call will retrieve the current client details to reload screen.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Subjectivities & Clauses screen to reload.

Subjectivities & Clauses - Proceed with Quote

- The list of subjectivities,clauses and notifications for the current policy will be saved to the DB by calling the **Policyservice saveSubjectivitiesAndClauses** method.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.9 Standard Endorsement – Endorsement Summary
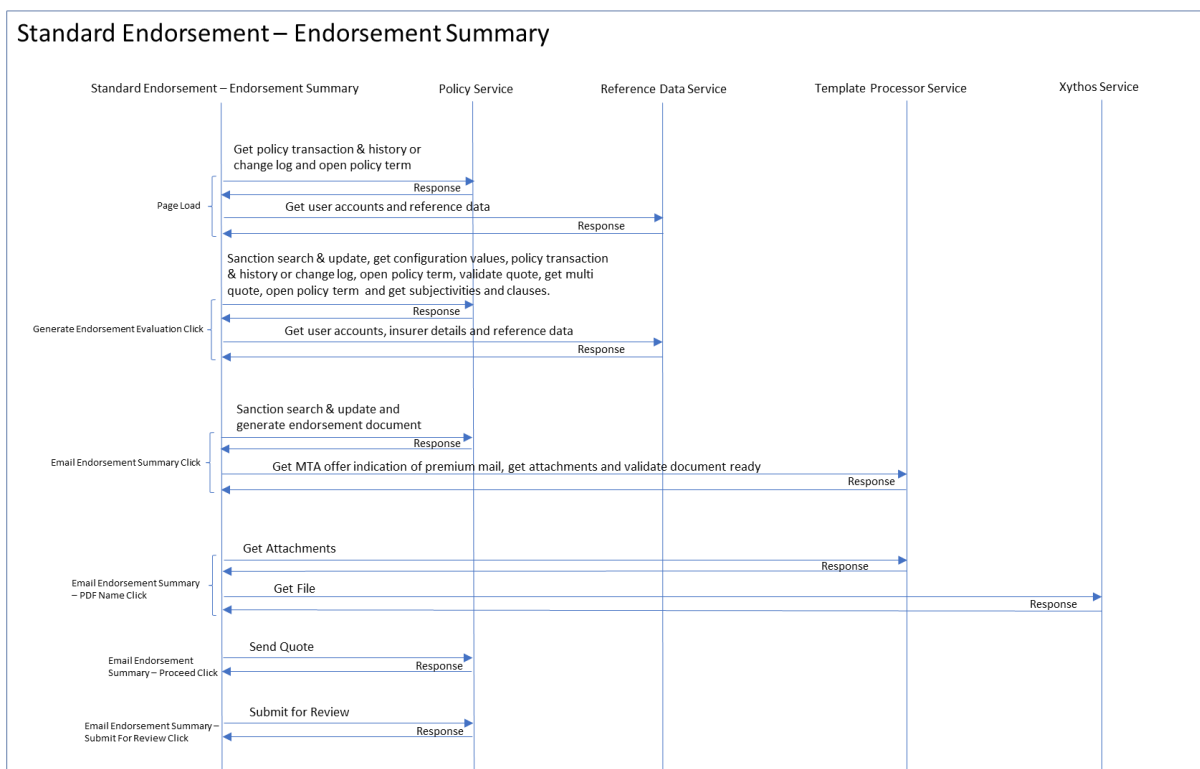
Function Name : Standard Endorsement – Endorsement Summary
Description: Endorsement summary will be evaluated and submitted for review
User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Page Load

- **Policyservice** will be called to Get policy transaction & history or change log and open policy term.
- **ReferenceDataService** will be called to get user accounts and reference data.

Get Endorsement Evaluation

- **Policyservice** will be called to do Sanction search & update, get configuration values, policy transaction & history or change log, open policy term, validate quote, get multi quote, open policy term and get subjectivities and clauses.
- **ReferenceDataService** will be called get user accounts, insurer details and reference data.

Email Endorsement Summary

- **Policyservice** will be called to do Sanction search & update and generate endorsement document.
- **TemplateProcessorService** will be called to get MTA offer indication of premium mail, get attachments and validate document ready.

PDF Name Click
- **TemplateProcessorService** will be called to get attachments.
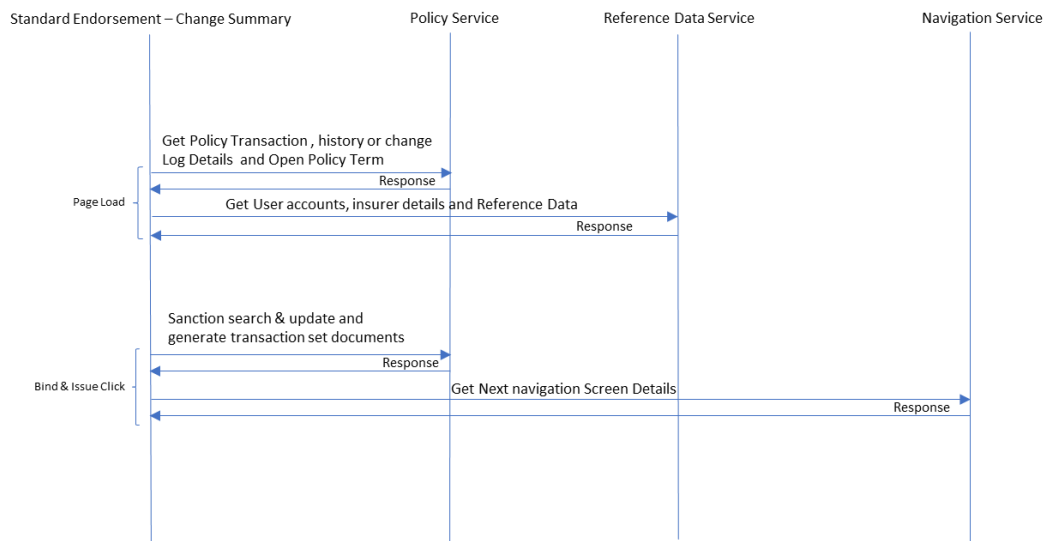- **XythosService** will be called to get file.

Proceed Click
- **PolicyService** will be called to send quote.

Submit for Review
- **PolicyService** will be called to submit endorsement details for review.

9.7.1.10 Standard Endorsement – Change Summary

Function Name : Standard Endorsement – Change Summary

Description: Change summary will display the transactions done so far on the policy like New business,standard endorsement etc. -Policy transaction history will be viewed and endorsements summary can be updated.

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Page Load

- **Policyservice** will be called to Get policy transaction & history or change log and open policy term.
- **ReferenceDataService** will be called to get user accounts, insurer details and reference data.

Bind & Issue

- **Policyservice** will be called to do Sanction search & update and generate transaction set documents.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.11 Standard Endorsement – Send Email

Standard Endorsement – Send Email

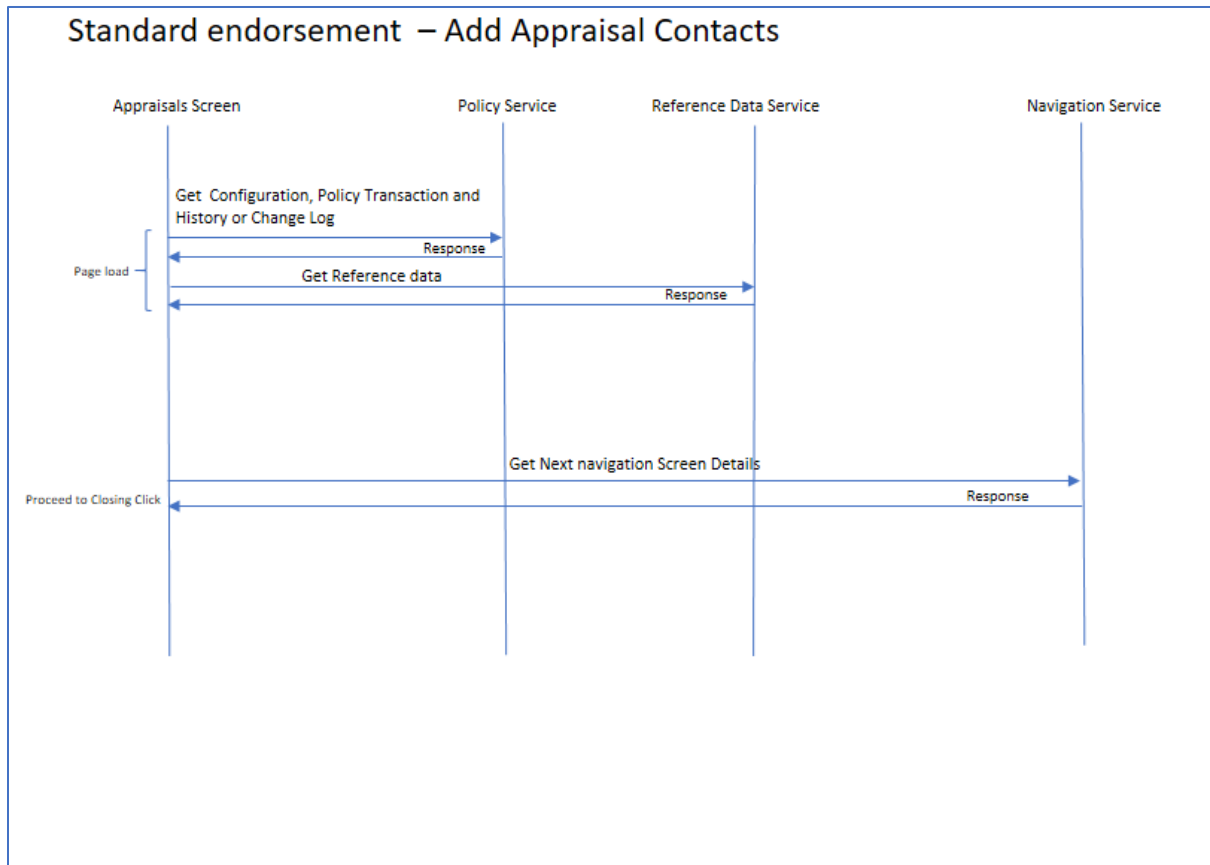| Function Name : Standard Endorsement – Send Email |
|---|
| **Description:** Endorsement summary details will be updated on email template with attachments and will be sent to the client. |
| **User Authorization :** Internal/External users will primarily use this function. |
| **Implementation Details:**

Page Load

• **Policyservice** will be called to get Policy Transaction , history or change Log Details and get MTA Issue Revised Coverage Summary Email.
• **ReferenceDataService** will be called to get reference data.
• **TemplateProcessorService** will be called to Validate documents ready and get attachments.

Send Email - Proceed

• **Policyservice** will be called to Get Policy Transaction , history or change Log Details, Bind Quote and Send Quote.
• **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen. |

9.7.1.12   Standard endorsement – Appraisal contacts

Function Name : Standard endorsement – Add Appraisal Contacts
Description: After policy number generated, we will be re-directed to add appraisal contacts and proceed to closing policy Screen.
User Authorization : Internal/External users will primarily use this function.
Implementation Details: Page Load • **Policyservice** will be called to get policy configuration, transaction details and transaction history or change log. • **ReferenceDataService** will be called to get reference data. Proceed to Closing • **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.13 Standard endorsement - Closing – Page load, Abandon Certificate, submit progress

Standard endorsement - Closing – Page load, Abandom Certificate, submit progress

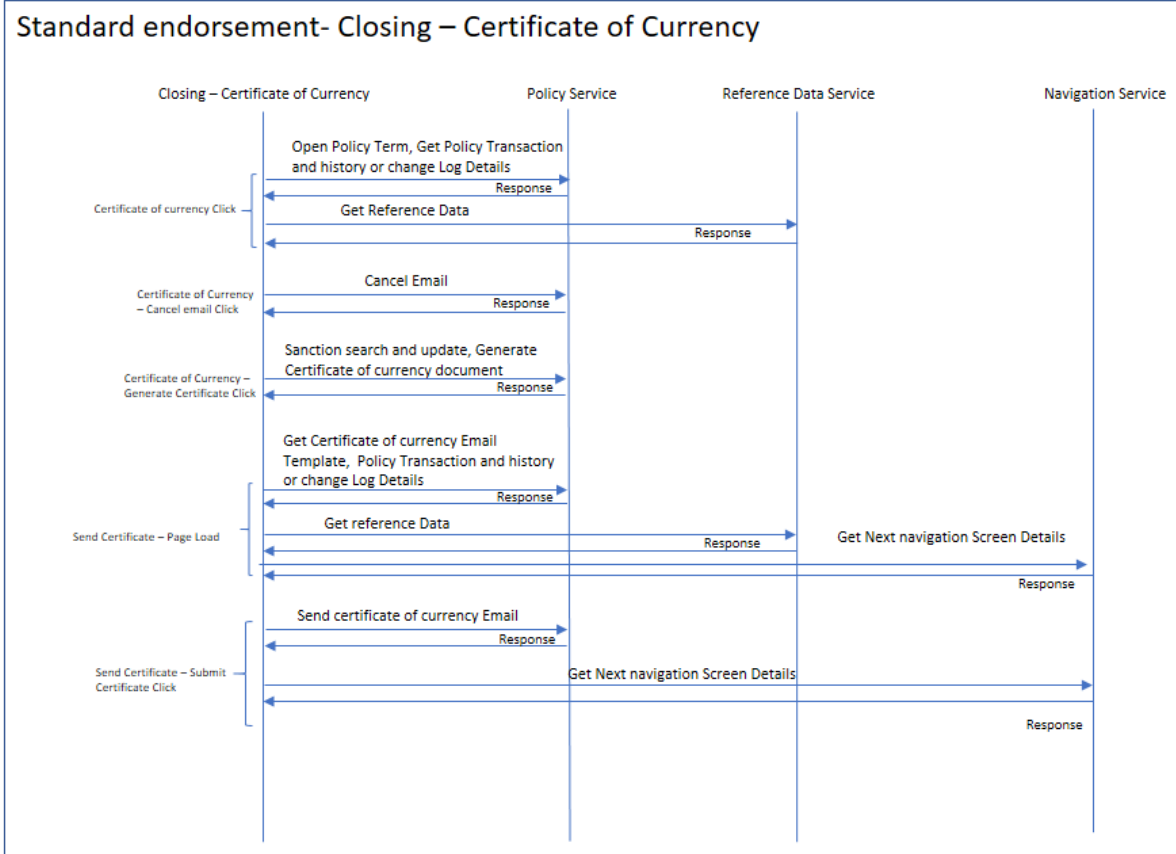| Function Name : Standard endorsement - Closing – Page load, Abandon Certificate, submit progress |
| --- |
| **Description:** Closing policy screen will have functionality to amend quote and submit |
| **User Authorization :** Internal/External users will primarily use this function. |
| **Implementation Details:**

Page Load

• **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term.
• **ReferenceDataService** will be called to get user accounts.

Abandon Certificate Generation btn click

• **Policyservice** will be called to Open Policy Term, get Configuration, Policy Transaction, History or Change Log and amend Quote.

Submit closing button click
• **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term and bind and issue the policy.
• **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen. |

9.7.1.14   Standard endorsement- Closing – Certificate of Currency

Standard endorsement- Closing – Certificate of Currency

Function Name : Standard endorsement- Closing – Certificate of Currency

Description: Closing the certification of currency

User Authorization : Internal/External users will primarily use this function.

Implementation Details:

Certificate of Currency

- **Policyservice** will be called to Open Policy Term, Get Policy Transaction and history or change Log Details.
- **ReferenceDataService** will be called to get Reference Data.

Certificate of Currency – Cancel email

- **Policyservice** will be called to cancel email

Generate Certificate

- **Policyservice** will be called to do Sanctions search & Update and Generate Certificate of currency document
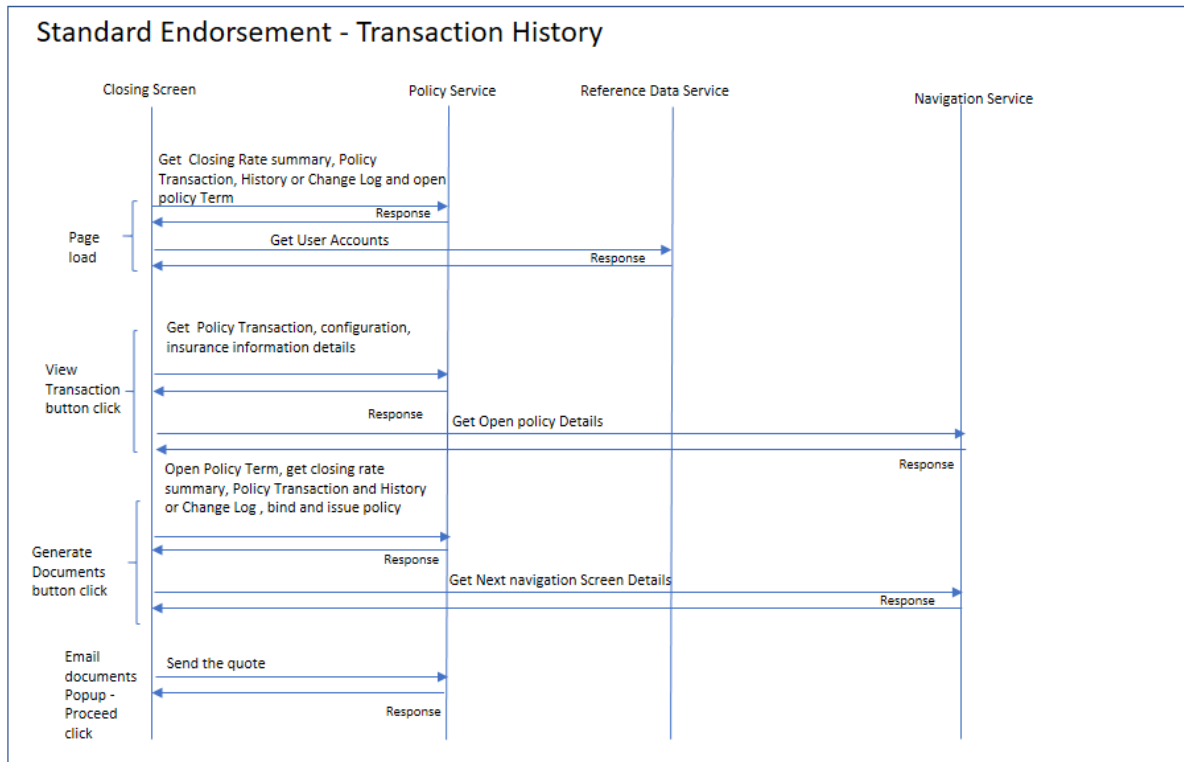
Send Certificate – Page Load

- **Policyservice** will be called to get Certificate of currency Email Template, Policy Transaction and history or change Log Details.
- **ReferenceDataService** will be called to get Reference Data.

Submit Certificate

- **Policyservice** will be called to Send certificate of currency Email.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.1.15   Standard Endorsement - Transaction History

Function Name : Standard endorsement- Transcation History
Description: Get transaction history for a policy while creating a new quote 'Proceed to Quote' button click and while selecting Policy/Quote# from Policy Search grid
User Authorization : Internal/External users will primarily use this function.
Implementation Details: Page load • Page load once policy is closed and status is 'Newline in Force' • **Policy service** will be called to Open Policy Term, Get Policy Transaction and history or change Log Details. • **ReferenceDataService** will be called to get Reference Data. View Transaction button click • **Policy service** will be called to Open and view the Policy Term, Get Policy Transaction and history or change Log Details • **Navigationservice** getNavigationOpenPolicy method call will return the details on the next screen to be

navigated from the current screen view the policy details

Generate Documents' button click
- **Policyservice** will be called to do Sanctions search & Update and Generate Certificate of currency document
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Email documents - Proceed click
- **Policyservice** will be called to send the quote and get Certificate of currency Email Template, Policy Transaction and history or change Log Details.

9.7.1.16   Standard Endorsement – Undo
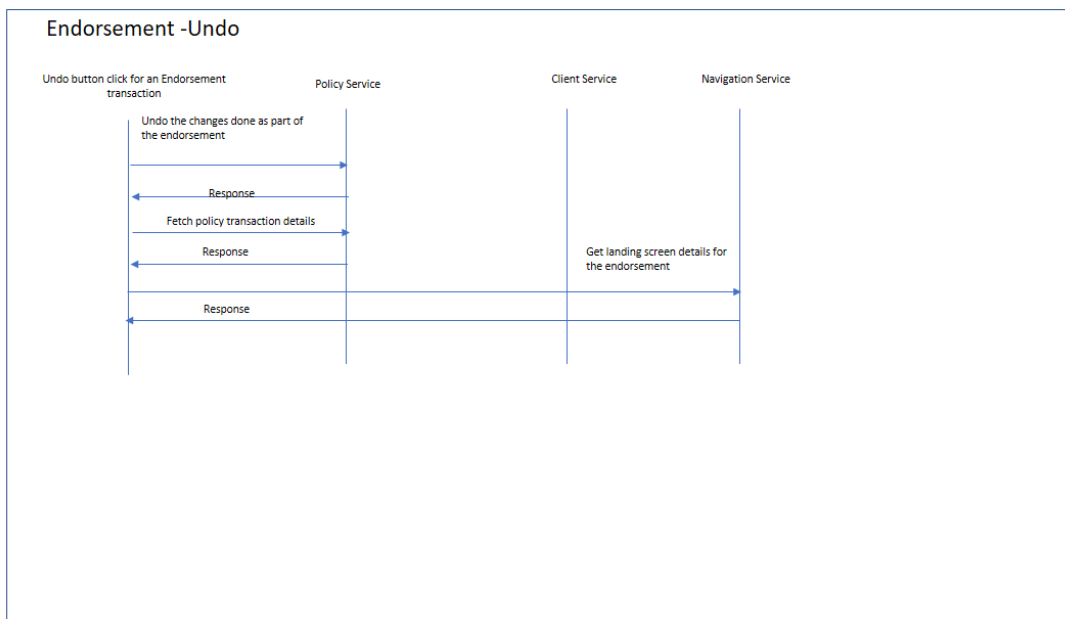
Function Name : Standard endorsement- Undo
Description: A standard endorsement transaction can be reversed by clicking the Undo button
User Authorization : Internal/External users will primarily use this function.
Implementation Details: • **Policy service** undoEndorsement method will be called to undo the changes done as part of the endorsement. • **Policyservice** will be called to get the policy transaction details including transaction history. • **Navigationservice** getNavigationOpenPolicy method call will return the details on the next screen to be navigated from the current screen to view the policy details

9.7.1.17   Standard Endorsement – Cancel Bind for correction

Endorsement – Cancel Bind For Correction
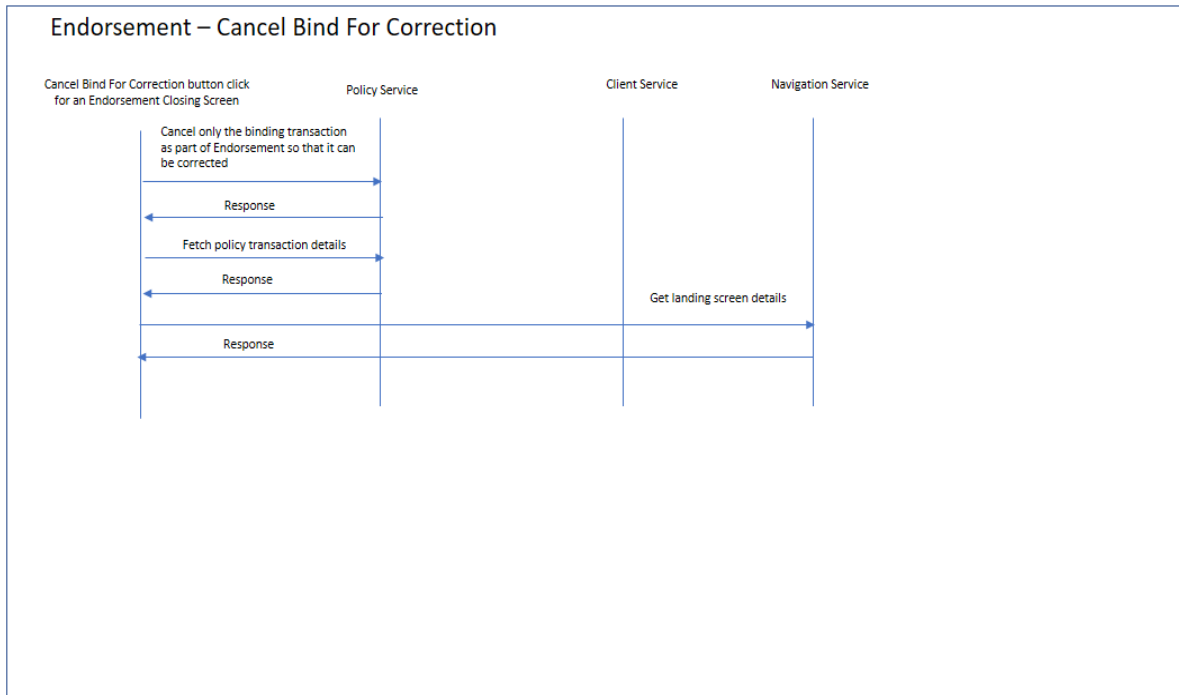
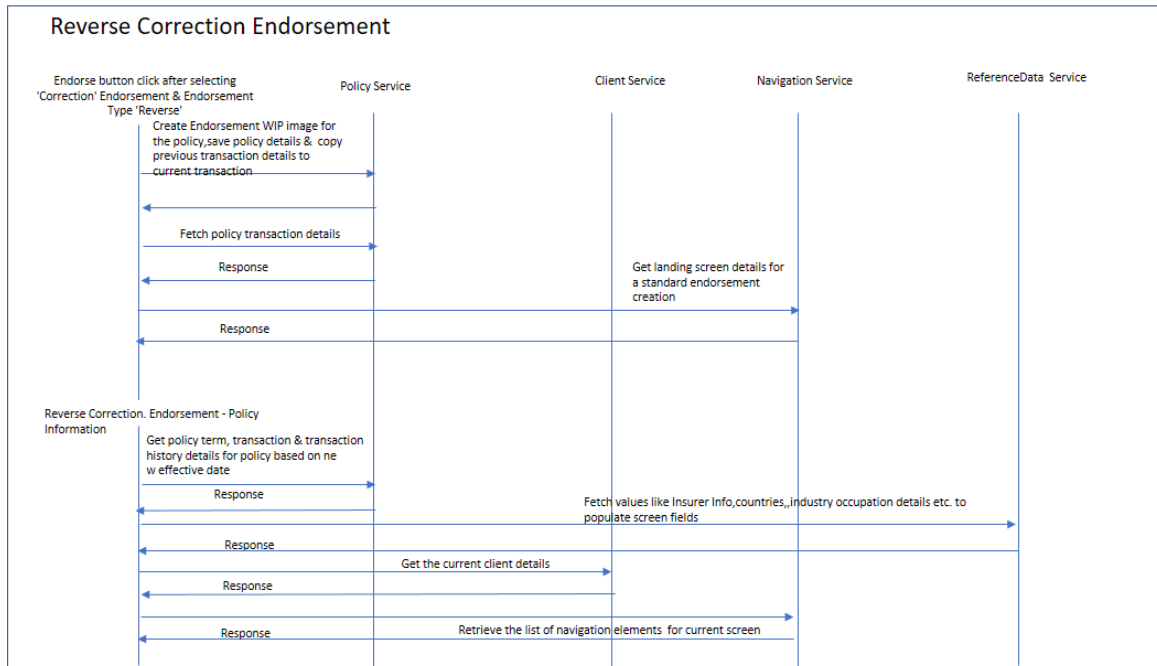| Function Name : Standard endorsement - Cancel Bind for correction |
|---|
| **Description:** To cancel only the binding transaction as part of Endorsement 'Cancel Bind for correction' functionality can be used and status will revert to '**Endorsement in progress**' and redirect to Policy Info screen, where we can make whatever corrections we need to do as part of the endorsement. |
| **User Authorization :** Internal users will primarily use this function. |
| **Implementation Details:**

• **Policy service** unbindQuote method will be called to cancel the binding transaction as part of Endorsement.
• **Policyservice** will be called to get the policy transaction details including transaction history.
• **Navigationservice** getNavigationOpenPolicy method call will return the details on the next screen to be navigated from the current screen to view the policy details. |

9.7.2 Reverse Correction Endorsement

Function Name: Reverse Correction Endorsement
Description: After doing standard endorsement, if user realizes that a correction needs to be done before the standard endorsement. In that case, **correction** endorsement will be reversed first and then **standard** endorsement needs to be done.
User Authorization : Internal users will primarily use this function.
Implementation Details: • **Policyservice createPolicyEndorsementWIPImage** method will be called to created Endorsement WIP image of the policy. • **Policyservice SaveFullPolicy** method will be called to save the policy details including endorsement and previous transactions. • **Policyservice getPolicyTransaction** method will return the transaction details of the policy. • **Policyservice updateDiscretionaryModifierPercent** method will update the modifier percent for policy to DB. • **Navigationservice** call will return the landing screen details for a standard endorsement creation.

9.7.2.1 Reverse Correction Endorsement - Policy Information

Follows same as section 7.7.1.1 Standard endorsement -Policy Information

9.7.2.2 Reverse Correction Endorsement - Risks/coverages

Follows same as section 7.7.1.2 Standard endorsement - Risks/coverages

9.7.2.3 Reverse Correction Endorsement - Interested parties

Follows same as section 7.7.1.3 Standard endorsement - Interested parties

9.7.2.4 Reverse Correction endorsement - Liability

Follows same as section 7.7.1.4 Standard endorsement- Liability

9.7.2.5 Reverse Correction endorsement - Loss History

Follows same as section 7.7.1.5 Standard endorsement- Loss History

9.7.2.6 Reverse Correction endorsement - Rating Summary

Follows same as Standard endorsement- Rating Summary.Please refer section 7.7.1.6.

9.7.2.7 Reverse Correction endorsement - Appraisals

Follows same as Standard endorsement- Appraisals.Please refer section 7.7.1.7.

9.7.2.8 Reverse Correction endorsement -Subjectivities & Clauses

Follows same as Standard endorsement- Subjectivities & Clauses.Please refer section 7.7.1.8.

9.7.2.9 Reverse Correction Endorsement – Endorsement Summary

Follows same as Standard endorsement- Endorsement Summary.Please refer section 7.7.1.9

9.7.2.10   Reverse Correction Endorsement – Change Summary

Follows same as Standard endorsement- Change Summary.Please refer section 7.7.1.10

9.7.2.11   Reverse Correction Endorsement – Undo

Follows same as Standard endorsement- Undo.Please refer section 7.7.1.16

9.7.2.12   Reverse Correction Endorsement – Cancel Bind for Correction

Follows same as Standard endorsement- Cancel Bind for Correction.Please refer section 7.7.1.17.

9.7.3 Correction Out of Sequence Endorsement

Function Name: Correction Out of Sequence Endorsement
Description: To do a correction between the effective date of the policy and effective date of the first endorsement, need to do Correction Out of Sequence endorsement.
User Authorization : Internal users will primarily use this function.
Implementation Details: Follows same as section 7.7.1 Standard endorsement

9.7.3.1 Correction Out of Sequence Endorsement - Policy Information

Follows same as section 7.7.1.1 Standard endorsement -Policy Information

9.7.3.2 Correction Out of Sequence Endorsement - Risks/coverages

Follows same as section 7.7.1.2 Standard endorsement - Risks/coverages

9.7.3.3 Correction Out of Sequence Endorsement - Interested parties

Follows same as section 7.7.1.3 Standard endorsement - Interested parties

9.7.3.4 Correction Out of Sequence endorsement - Liability

Follows same as section 7.7.1.4 Standard endorsement- Liability

9.7.3.5 Correction Out of Sequence endorsement - Loss History

Follows same as section 7.7.1.5 Standard endorsement- Loss History

9.7.3.6 Correction Out of Sequence endorsement - Rating Summary

Follows same as Standard endorsement- Rating Summary.Please refer section 7.7.1.6.

9.7.3.7 Correction Out of Sequence endorsement - Appraisals

Follows same as Standard endorsement- Appraisals.Please refer section 7.7.1.7.

9.7.3.8 Correction Out of Sequence endorsement -Subjectivities & Clauses

Follows same as Standard endorsement- Subjectivities & Clauses.Please refer section 7.7.1.8.

9.7.3.9 Correction Out of Sequence Endorsement – Endorsement Summary

Follows same as Standard endorsement- Endorsement Summary.Please refer section 7.7.1.9

9.7.3.10   Correction Out of Sequence Endorsement – Change Summary

Follows same as Standard endorsement- Change Summary.Please refer section 7.7.1.10

9.7.3.11   Correction Out of Sequence Endorsement – Undo

Follows same as Standard endorsement- Undo.Please refer section 7.7.1.16

9.7.3.12   Correction Out of Sequence Endorsement – Cancel Bind for Correction

Follows same as Standard endorsement- Cancel Bind for Correction.Please refer section 7.7.1.17.

9.7.4 Correction Forward Endorsement

Function Name: Correction Forward Endorsement
Description: Correction Forward endorsement will be done to change the effective date to the date to which first endorsement was done.
User Authorization : Internal users will primarily use this function.
Implementation Details: Follows same as section 7.7.1 Standard endorsement

9.7.4.1 Correction Forward Endorsement - Policy Information

Follows same as section 7.7.1.1 Standard endorsement -Policy Information

9.7.4.2 Correction Forward Endorsement - Risks/coverages

Follows same as section 7.7.1.2 Standard endorsement - Risks/coverages

9.7.4.3 Correction Forward Endorsement - Interested parties

Follows same as section 7.7.1.3 Standard endorsement - Interested parties

9.7.4.4 Correction Forward endorsement - Liability

Follows same as section 7.7.1.4 Standard endorsement- Liability

9.7.4.5 Correction Forward endorsement - Loss History

Follows same as section 7.7.1.5 Standard endorsement- Loss History

9.7.4.6 Correction Forward endorsement - Rating Summary

Follows same as Standard endorsement- Rating Summary.Please refer section 7.7.1.6.

9.7.4.7 Correction Forward endorsement - Appraisals

Follows same as Standard endorsement- Appraisals.Please refer section 7.7.1.7.

9.7.4.8 Correction Forward endorsement -Subjectivities & Clauses

Follows same as Standard endorsement- Subjectivities & Clauses.Please refer section 7.7.1.8.

9.7.4.9 Correction Forward Endorsement – Endorsement Summary

Follows same as Standard endorsement- Endorsement Summary.Please refer section 7.7.1.9

9.7.4.10   Correction Forward Endorsement – Change Summary

Follows same as Standard endorsement- Change Summary.Please refer section 7.7.1.10

9.7.4.11   Correction Forward Endorsement – Undo

Follows same as Standard endorsement- Undo.Please refer section 7.7.1.16

9.7.4.12   Correction Forward Endorsement – Cancel Bind for Correction

Follows same as Standard endorsement- Cancel Bind for Correction.Please refer section 7.7.1.17.

9.7.5 Reverse to cancel – Endorsement

Same as Reverse Correction Endorsement. Please refer 7.7.4

9.7.5.1 Reverse to cancel endorsement - Policy Information

Follows same as section 7.7.3.1 Standard endorsement -Policy Information

9.7.5.2 Reverse to cancel endorsement - Risks/coverages

Follows same as section 7.7.3.2 Standard endorsement - Risks/coverages

9.7.5.3 Reverse to cancel endorsement - Interested parties

Follows same as section 7.7.3.3 Standard endorsement - Interested parties

9.7.5.4 Reverse to cancel endorsement - Liability

Follows same as section 7.7.3.4 Standard endorsement- Liability

9.7.5.5 Reverse to cancel endorsement - Loss History

Follows same as section 7.7.3.5 Standard endorsement- Loss History

9.7.5.6 Reverse to cancel endorsement - Rating Summary

Follows same as Standard endorsement- Rating Summary.Please refer section 7.7.3.6.

9.7.5.7 Reverse to cancel endorsement - Appraisals

Follows same as Standard endorsement- Appraisals.Please refer section 7.7.3.7.

9.7.5.8 Reverse to cancel endorsement -Subjectivities & Clauses

Follows same as Standard endorsement- Subjectivities & Clauses.Please refer section 7.7.3.8.

9.7.5.9 Reverse to cancel endorsement – Endorsement Summary

Follows same as Standard endorsement- Endorsement Summary.Please refer section 7.7.3.9

9.7.5.10 Reverse to cancel endorsement – Change Summary

Follows same as Standard endorsement- Change Summary.Please refer section 7.7.3.10

9.7.5.11 Reverse to cancel endorsement – Send Email

Follows same as Standard endorsement- Send Email. Please refer section 7.7.3.11

9.7.5.12 Reverse to cancel endorsement – Appraisal Contacts

Follows same as Standard endorsement- Appraisal Contacts. Please refer section 7.7.3.12

9.7.5.13 Reverse to cancel endorsement – Closing

Follows same as Standard endorsement- Closing. Please refer section 7.7.3.13 & 7.7.3.14

9.7.6 Term Change Endorsement
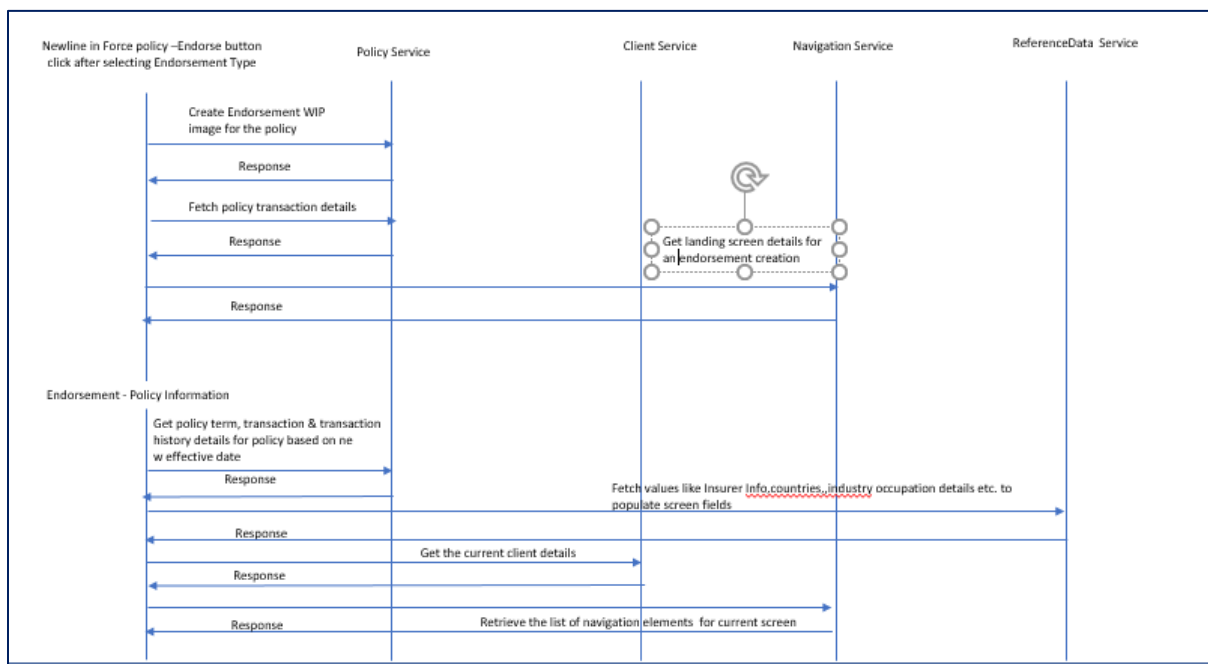
Function Name: Term Change Endorsement
Description:
Using Term change endorsement, we can extend/shorten the policy expiry date. It is like renewal.But if we extend the policy expiry date via Term change endorsement, it will not book it right away. It will go for work manager referral.

User Authorization: Internal users will primarily use this function.

Implementation Details:

- **Policyservice createPolicyEndorsementWIPImage** method will be called to created Endorsement WIP image of the policy.
- **Policyservice getPolicyTransaction** method will return the transaction details of the policy.
- **Policyservice updateDiscretionaryModifierPercent** method will update the modifier percent for policy to DB.
- **Navigationservice** call will return the landing screen details for a standard endorsement creation.

9.7.6.1 Term Change Endorsement - Policy Information

Follows same as section 7.7.1.1 Standard endorsement -Policy Information

9.7.6.2 Term Change Endorsement - Risks/coverages

Follows same as section 7.7.1.2 Standard endorsement - Risks/coverages

9.7.6.3 Term Change Endorsement - Interested parties

Follows same as section 7.7.1.3 Standard endorsement - Interested parties

9.7.6.4 Term Change endorsement - Liability

Follows same as section 7.7.1.4 Standard endorsement- Liability

9.7.6.5 Term Change endorsement - Loss History

Follows same as section 7.7.1.5 Standard endorsement- Loss History

9.7.6.6 Term Change endorsement - Rating Summary

Follows same as Standard endorsement- Rating Summary.Please refer section 7.7.1.6.

9.7.6.7 Term Change endorsement - Appraisals

Follows same as Standard endorsement- Appraisals.Please refer section 7.7.1.7.

9.7.6.8 Term Change endorsement -Subjectivities & Clauses

Follows same as Standard endorsement- Subjectivities & Clauses.Please refer section 7.7.1.8.

9.7.6.9 Term Change Endorsement – Endorsement Summary

Follows same as Standard endorsement- Endorsement Summary.Please refer section 7.7.1.9

9.7.6.10   Term Change Endorsement – Change Summary

Follows same as Standard endorsement- Change Summary.Please refer section 7.7.1.10
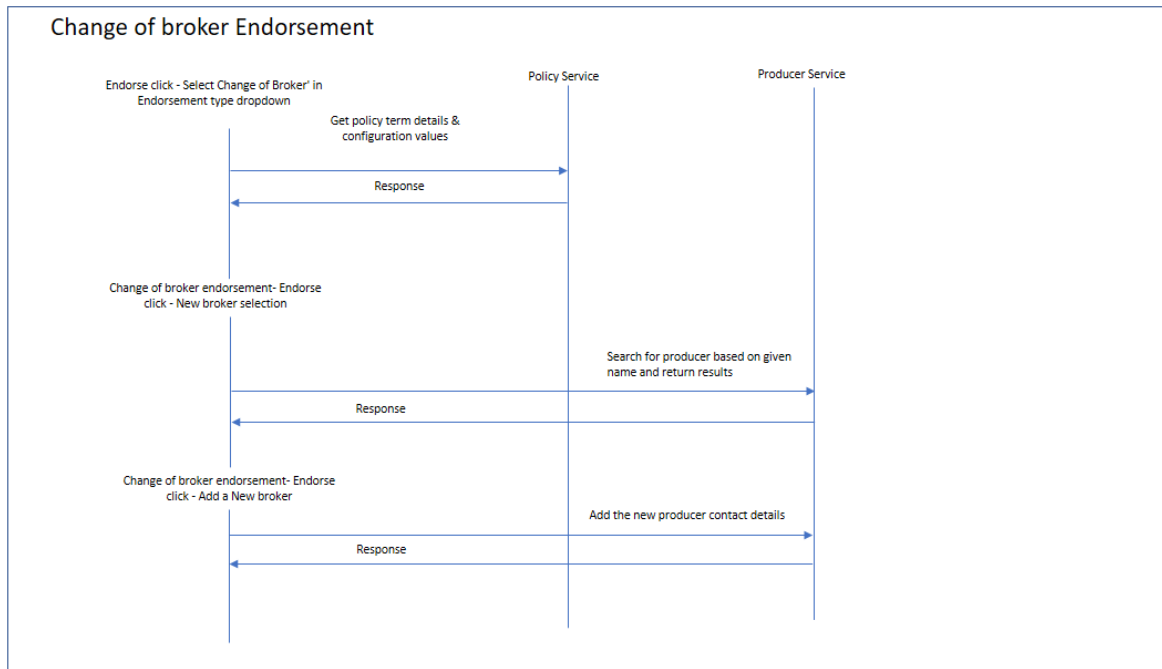
9.7.6.11   Term Change Endorsement – Undo

Follows same as Standard endorsement- Undo.Please refer section 7.7.1.16

9.7.6.12   Term Change Endorsement – Cancel Bind for Correction

Follows same as Standard endorsement- Cancel Bind for Correction.Please refer section 7.7.1.17.

9.7.7 Change of broker Endorsement

Function Name: Change of broker Endorsement
Description: Change of broker endorsement is changing the broker from one broker to another due to various reasons. Change of broker transaction is a $0 transaction. Brokers can't do this endorsement.
User Authorization : Internal users will primarily use this function.

Implementation Details:

Change of broker endorsement- Endorse click - New broker selection

- **Producer Service producerSearchByName** method will be called to Search for producer based on given name and return results.
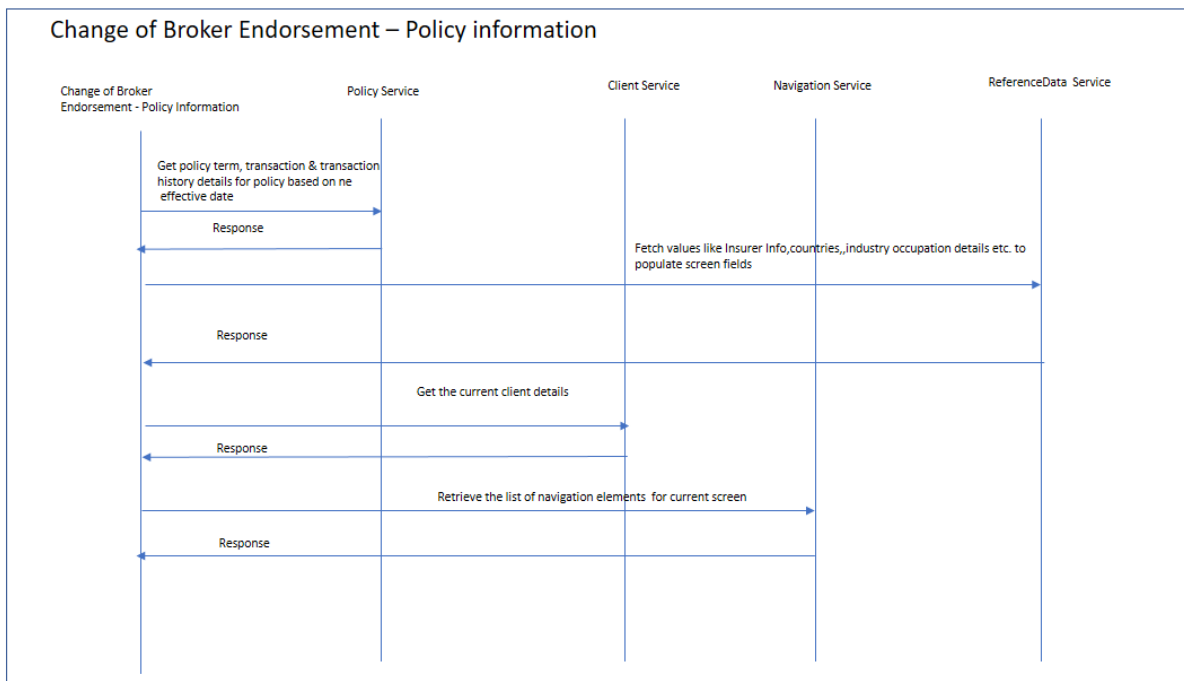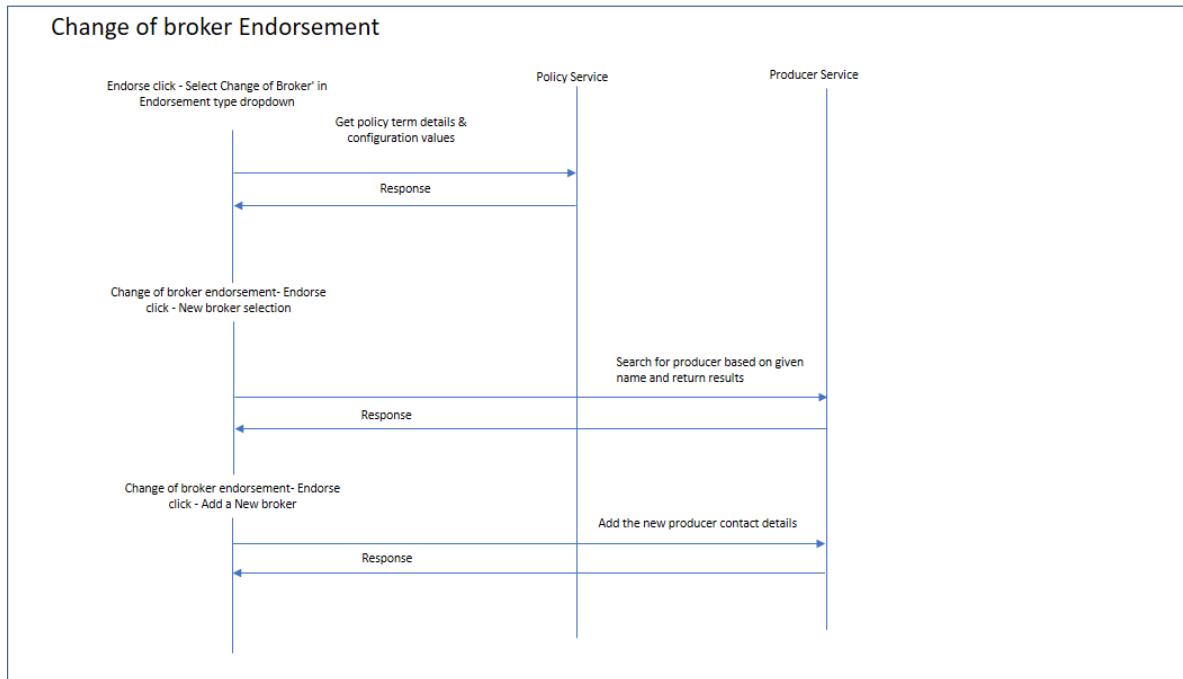
Change of broker endorsement- Endorse click - Add a New broker

- **Producer Service addProducerContact** method will be called to add the new producer contact details.

Change of broker endorsement- Endorse click after giving new broker details

- **Policyservice createPolicyEndorsementWIPImage** method will be called to created Endorsement WIP image of the policy.
- **Policyservice getPolicyTransaction** method will return the transaction details of the policy **Navigationservice** call will return the landing screen details for a standard endorsement creation.

9.7.7.1 Change of broker endorsement -Policy Information

Change of broker Endorsement

Change of Broker Endorsement – Policy information

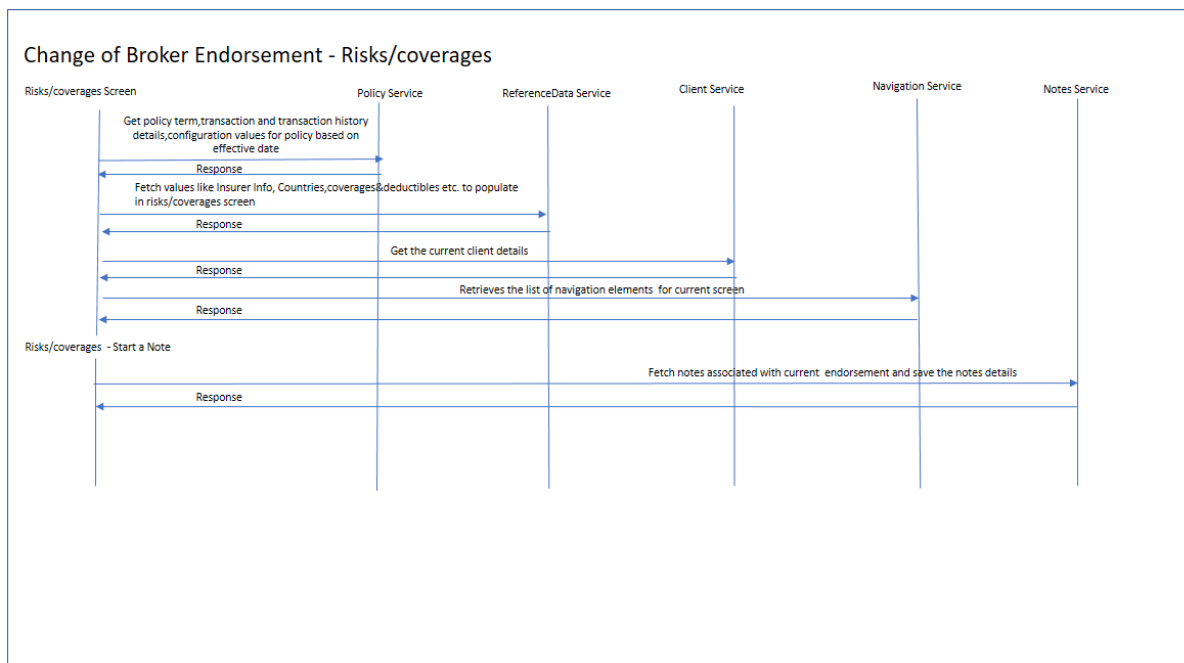| Function Name: Change of broker endorsement -Policy Information |
|---|
| **Description:**

Policy Information screen for a Change of broker endorsement in progress will capture policy details like named insured,policy term ,broker etc for the standard endorsement transaction. |
| **User Authorization:** Internal users will primarily use this function. |

Implementation Details:

Policy Information–Page load

- **Policyservice** will be called to get policy term,transaction and transaction history details for selected policy based on effective date .
- **ReferenceDataService** call will fetch values like Insurer Info,countries,location details etc. to populate screen fields.
- **ClientService** call will retrieve the current client details.

- **Navigationservice getNavigationOpenPolicy** method call will retrieve the landing screen details for a Change of broker endorsement creation.

9.7.7.2 Change of broker endorsement - Risks/coverages

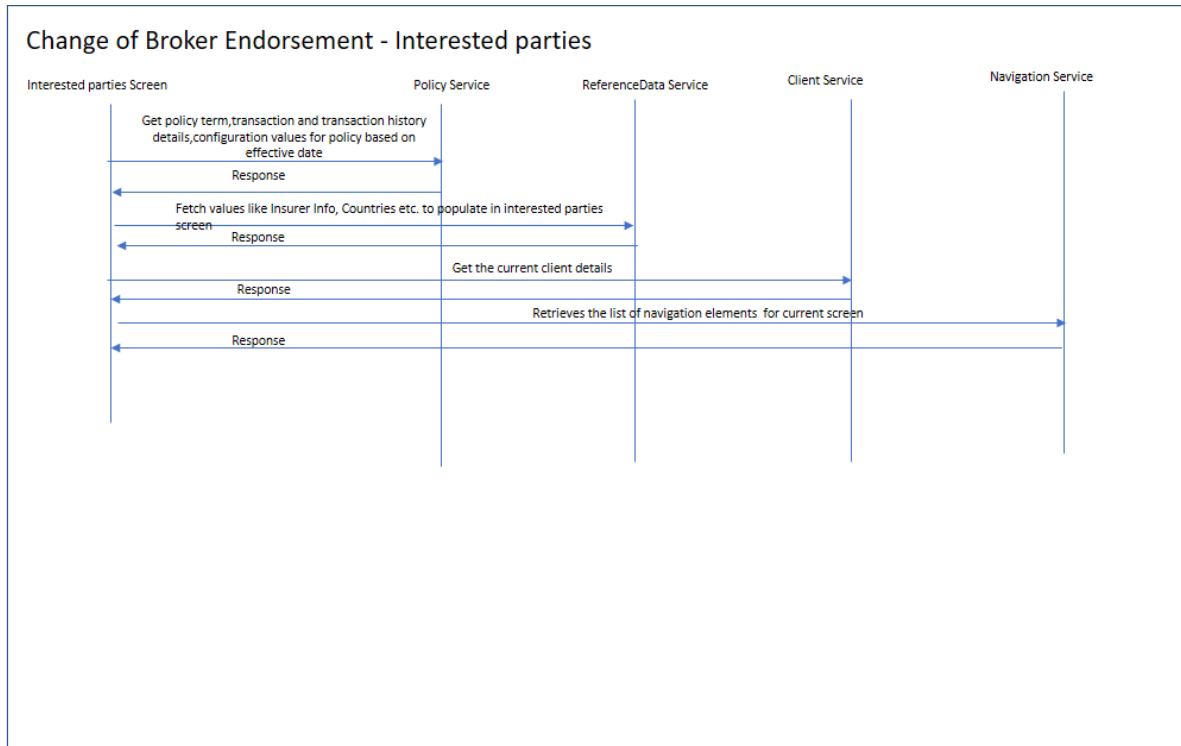| Function Name: Change of broker endorsement - Risks/coverages |
|---|
| **Description:**The Risks/coverages screen will be displayed to the user to capture the Risks and coverage details for the current Change of broker endorsement transaction as read only.

Risks\Coverages -Start a Note

Notes can be added by clicking the '**Start a Note'** button in the Risks/Coverages screen. |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Risks/coverages -Page load

    • **Policyservice** will be called to get the policy transaction details including transaction history. |

- Details like insurer info,countries etc. will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.

Risks\Coverages -Start a Note

- **NotesService** call will be made to get the existing notes, if any, and to save the notes.

9.7.7.3 Change of broker endorsement - Interested parties

Change of Broker Endorsement - Interested parties

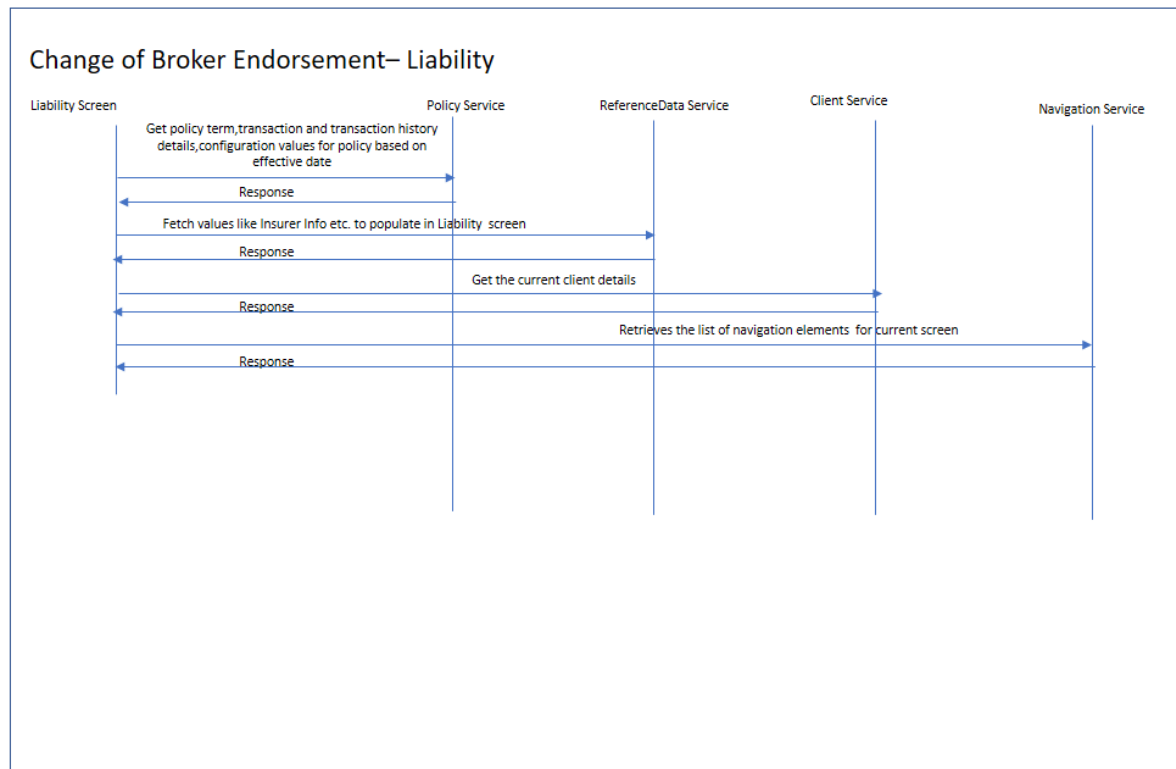| Function Name : Change of broker endorsement - Interested parties |
|---|
| **Description:**The Interested parties screen will be displayed to the user to capture the Interested parties details for the current Change of broker endorsement transaction. |
| **User Authorization :** Internal users will primarily use this function. |
| **Implementation Details:**

Interested parties – Page load

 • **Policyservice** will be called to get the policy transaction details including transaction history.
 • Details like insurer info,coverage & deductibles info will be retrieved from **ReferenceDataService.**
 • **ClientService** call will retrieve the current client details. |

9.7.7.4 Change of broker endorsement - Liability

Change of Broker Endorsement– Liability

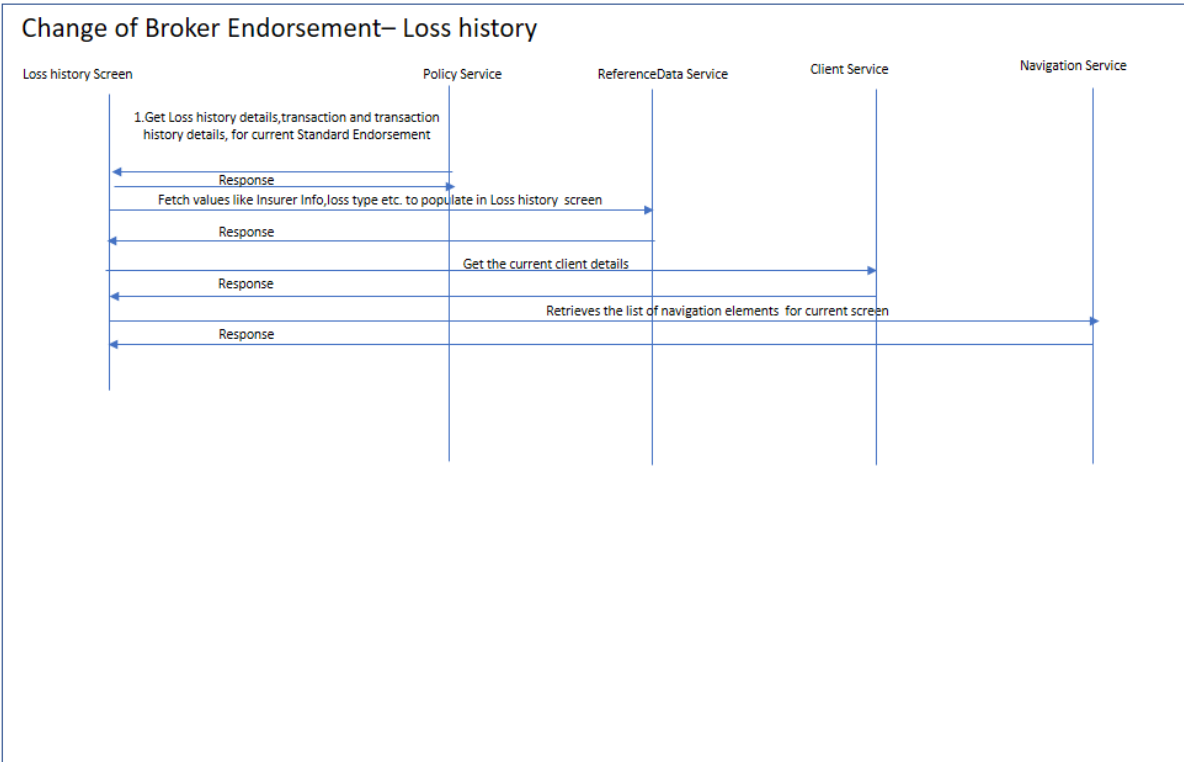| Function Name: Change of broker endorsement - Liability |
|---|
| **Description:**The Liability screen will be displayed to the user to capture the Liability details for the current Change of broker endorsement transaction. |
| **User Authorization :** Internal users will primarily use this function. |
| **Implementation Details:**

Liability– Page load

• **Policyservice** will be called to get the policy transaction details including transaction history.
• Details like insurer info will be retrieved from **ReferenceDataService.**
• **ClientService** call will retrieve the current client details. |

9.7.7.5 Change of broker endorsement - Loss History

Change of Broker Endorsement– Loss history

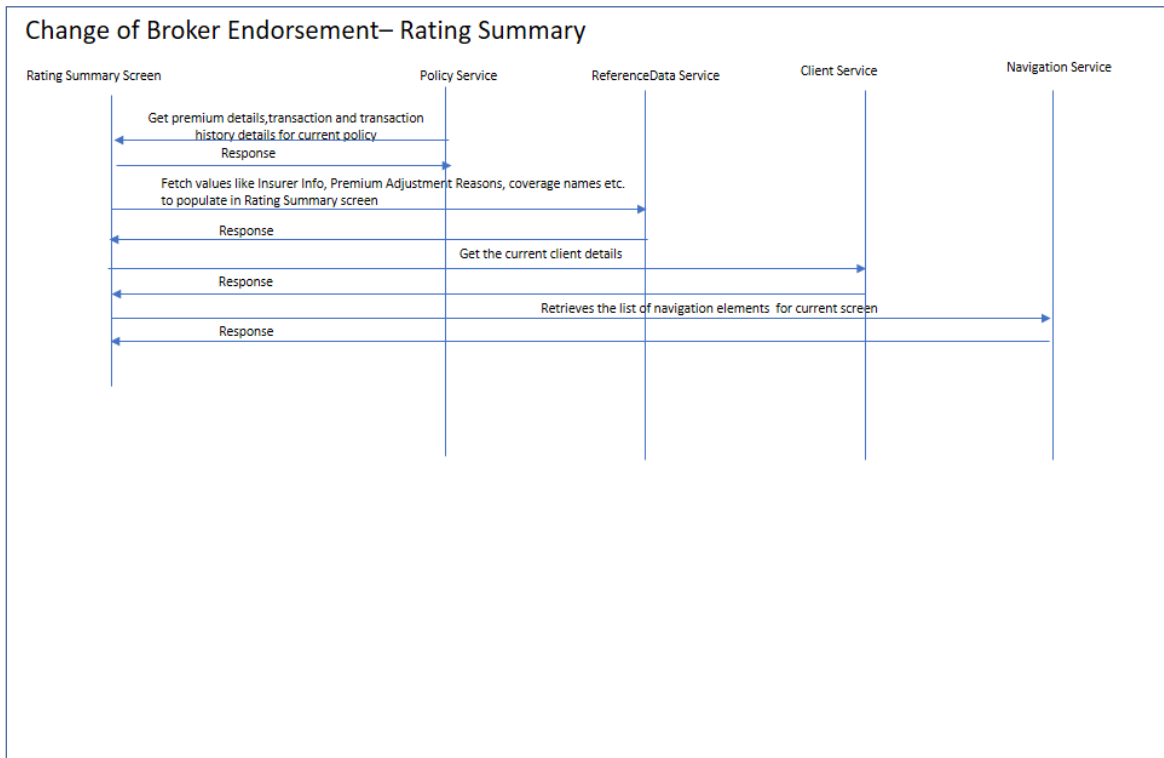| Function Name: **Change of broker endorsement - Loss History** |
|---|
| **Description:** The Loss History screen will be displayed to the user to capture the Loss History details for the current Change of broker endorsement. |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Loss History – Page load

• **Policyservice** will be called to get the policy transaction details including transaction history and LossHistory for current policy.
• Pre-policy claims from PRISM/PRIMA will be fetched from **Policyservice getPrePolicyClaims method**
• Details like insurer info, loss type will be retrieved from **ReferenceDataService.**
• **ClientService** call will retrieve the current client details. |

9.7.7.6 Change of broker endorsement - Rating Summary

Function Name: Change of broker endorsement - Rating Summary

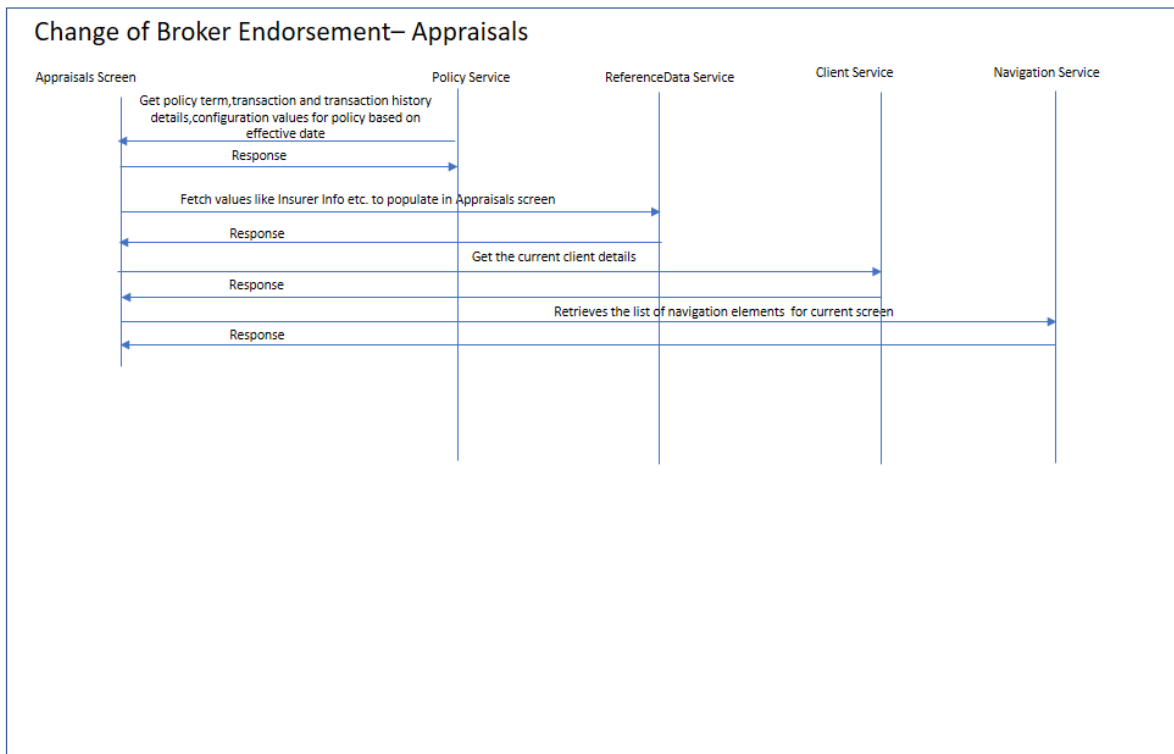| **Description:** The Rating Summary screen will be displayed to the user to capture the coverage wise and cumulative premium, sum insured and commission details for the current Change of broker endorsement. |
|---|

User Authorization: Internal users will primarily use this function.

Implementation Details:

Rating Summary – Page load

- **Policyservice** will be called to get the policy transaction details including transaction history and the premium details.
- Details like Insurer Info, Premium Adjustment Reasons, coverage names etc. to populate in Rating Summary screen will be retrieved from **ReferenceDataService.**
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

9.7.7.7 Change of broker endorsement – Appraisals

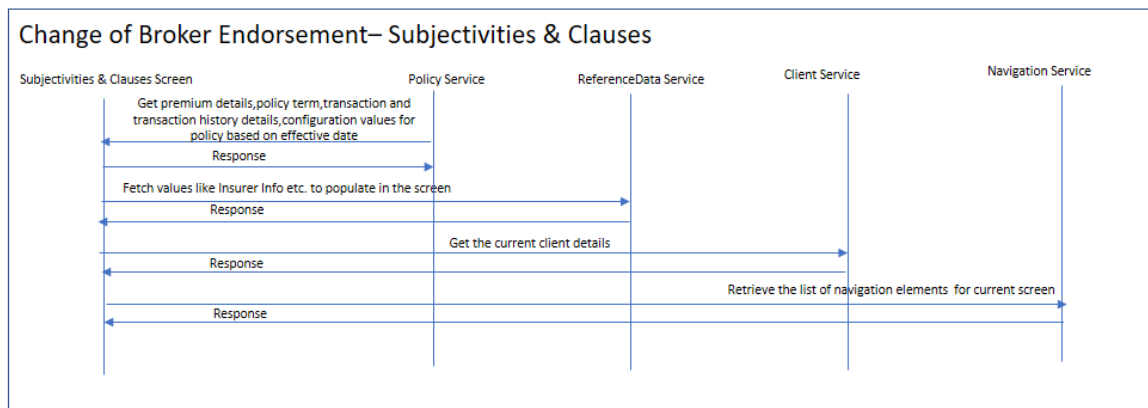| Function Name: Change of broker endorsement - Appraisals |
|---|
| **Description:** The Appraisals screen will be displayed to the user to capture the Appraisals details like Appraisal Type,Appraisal amount,Appraisal Date etc. for the current Change of broker endorsement. |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Appraisals – Page load

• **Policyservice** will be called to get the policy term,transaction and transaction history details,configuration values for policy based on effective date.
• Details like Insurer Info etc. to populate in Appraisals screen will be retrieved from **ReferenceDataService**.
• **ClientService** call will retrieve the current client details.
• **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen. |

9.7.7.8 Change of broker endorsement -Subjectivities & Clauses

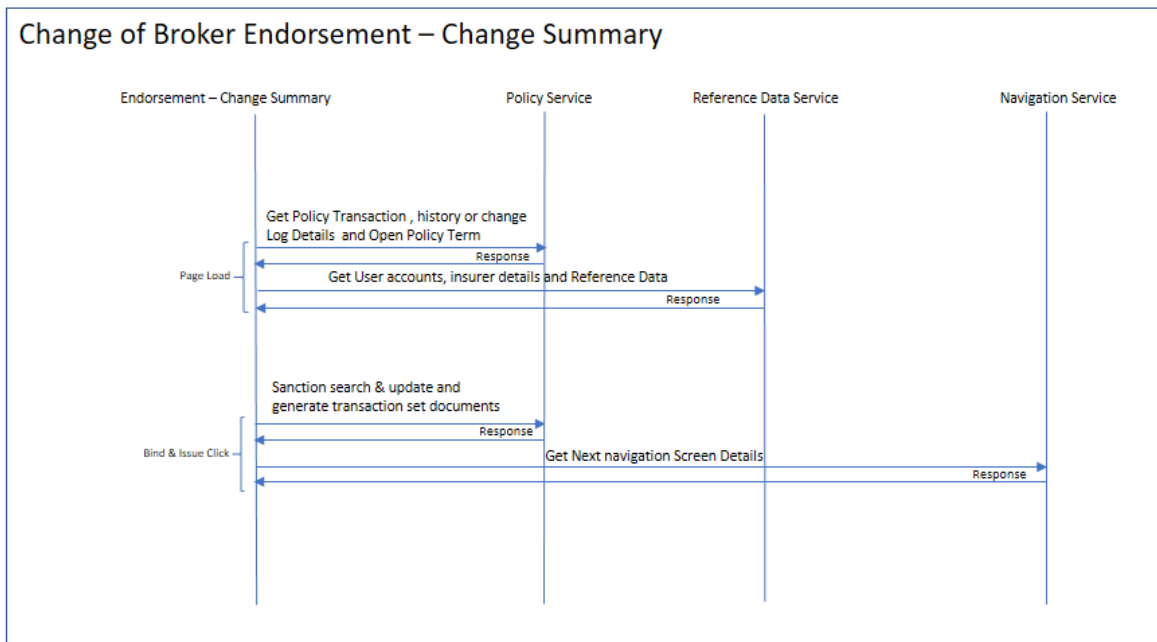| Function Name: Change of broker endorsement- Subjectivities & Clauses |
| --- |
| **Description:** The Subjectivities & Clauses screen will be displayed to the user to capture the Subjectivities, Clauses & notifications associated with the current policy. |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Subjectivities & Clauses – Page load

• **Policyservice** will be called to get the premium details,policy term,transaction and transaction history details,configuration values for policy based on effective date.
• Details like Insurer Info etc. to populate in Subjectivities & Clauses screen will be retrieved from **ReferenceDataService**.
• **ClientService** call will retrieve the current client details.
• The list of subjectivities,clauses and notifications for the current policy will be fetched from **cache**.
• **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for Subjectivities & Clauses screen. |

9.7.7.9 Change of broker Endorsement – Change Summary

Function Name : Change of broker Endorsement – Change Summary
Description: Change summary will display the transactions done so far on the policy like New business,standard endorsement etc. -Policy transaction history will be viewed and endorsements summary can be updated.
User Authorization : Internal/External users will primarily use this function.

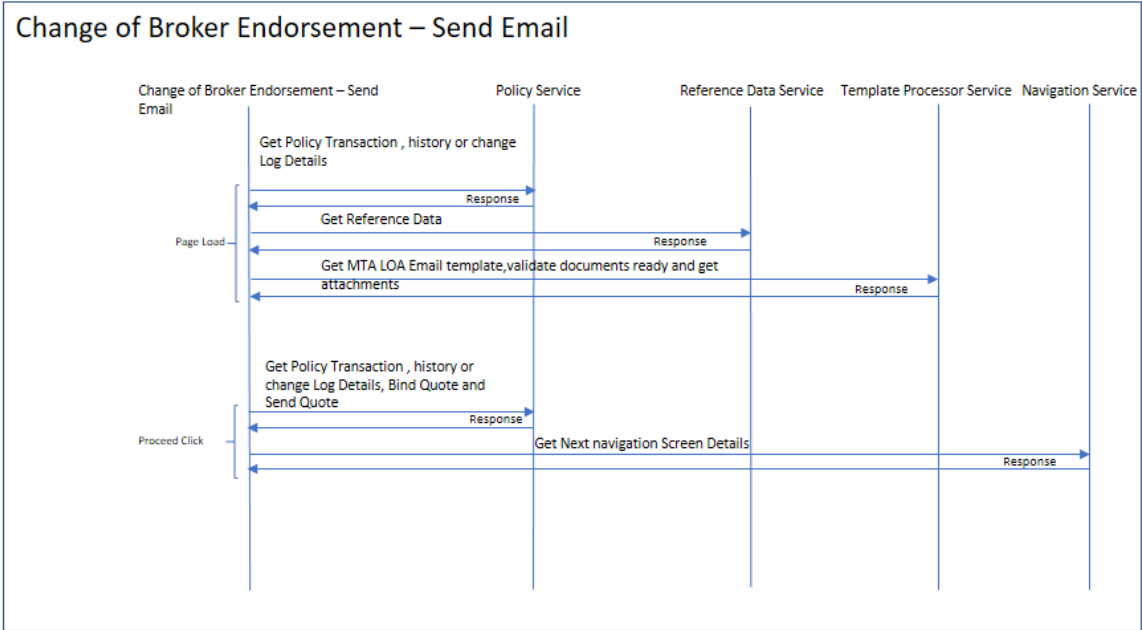**Implementation Details:**

Page Load

- **Policyservice** will be called to Get policy transaction & history or change log and open policy term.
- **ReferenceDataService** will be called to get user accounts, insurer details and reference data.

Bind & Issue

- **Policyservice** will be called to do Sanction search & update and generate transaction set documents.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.7.10   Change of broker Endorsement – Send Email

Change of Broker Endorsement – Send Email

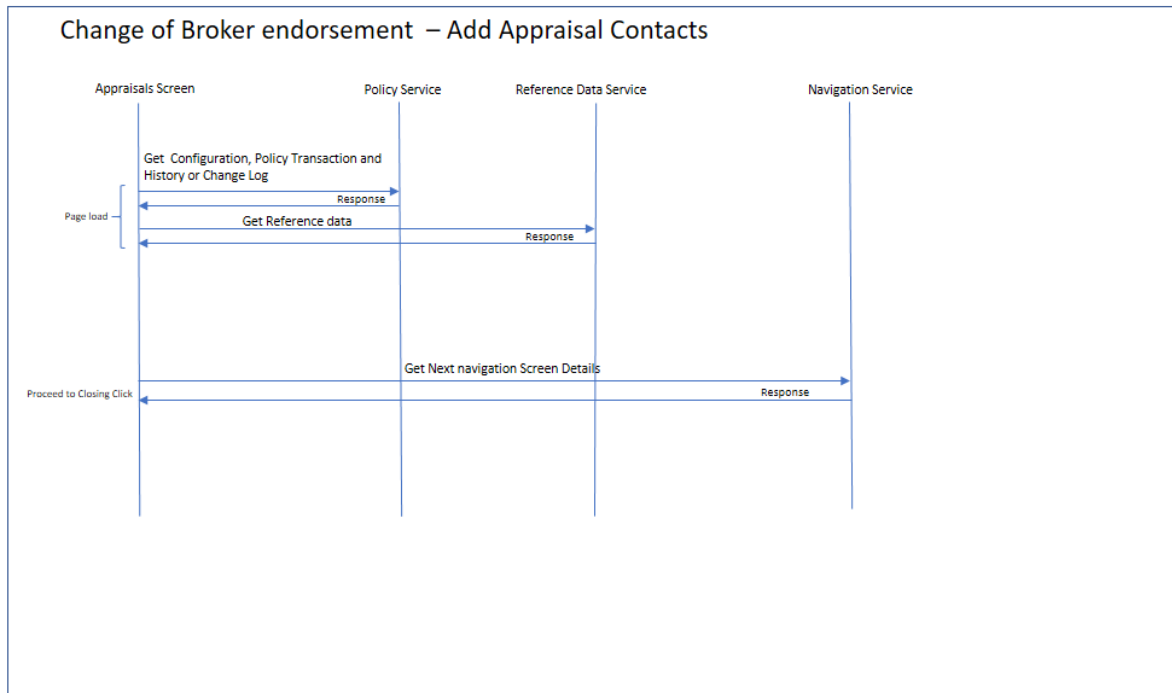| Function Name : Change of broker Endorsement – Send Email |
|---|
| **Description:** Endorsement summary details will be updated on email template with attachments and will be sent to the client. |
| **User Authorization :** Internal users will primarily use this function. |
| **Implementation Details:**

Page Load

• **Policyservice** will be called to get Policy Transaction , history or change Log Details and get MTA Issue Revised Coverage Summary Email.
• **ReferenceDataService** will be called to get reference data.
• **TemplateProcessorService** will be called to Validate documents ready and get attachments.

Send Email - Proceed

• **Policyservice** will be called to Get Policy Transaction , history or change Log Details, Bind Quote and Send Quote.
• **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen. |

9.7.7.11   Change of broker endorsement – Appraisal contacts

Change of Broker endorsement – Add Appraisal Contacts

Function Name : Change of broker endorsement – Add Appraisal Contacts
Description: After policy number generated, we will be re-directed to add appraisal contacts and proceed to closing policy Screen.
User Authorization : Internal users will primarily use this function.
Implementation Details: Page Load • **Policyservice** will be called to get policy configuration, transaction details and transaction history or change log. • **ReferenceDataService** will be called to get reference data. Proceed to Closing • **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.7.12 Change of broker endorsement - Closing – Page load, Abandon Certificate,

submit progress

Change of Broker endorsement - Closing – Page load, Abandon Certificate, submit progress

Function Name : Change of broker endorsement - Closing – Page load, Abandon Certificate, submit progress

Description: Closing policy screen will have functionality to amend quote and submit.

User Authorization : Internal users will primarily use this function.

Implementation Details:

Page Load

- **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term.
- **ReferenceDataService** will be called to get user accounts.

Abandon Certificate Generation btn click

- **Policyservice** will be called to Open Policy Term, get Configuration, Policy Transaction, History or Change Log and amend Quote.

Submit closing button click
- **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term and bind and issue the policy.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.7.13   Change of broker endorsement- Closing – Certificate of Currency

Same as Section 7.7.3.14 Standard endorsement- Closing – Certificate of Currency

9.7.7.14   Change of broker Endorsement - Transaction History

Same as Section 7.7.3.15 Standard endorsement- Closing – Transaction History

9.7.7.15   Change of broker Endorsement – Undo

Same as Section 7.7.3.16 Standard endorsement- Closing – Undo

9.7.8 Endorsement – Mid-term Cancellation

Function Name: Mid-term cancellation Endorsement - Endorse button click
Description:
The cancel policy in the middle of the policy then it is refer to Midterm cancellation
User Authorization: Internal users will primarily use this function.
Implementation Details: Follows same as Standard endorsement- Endorse button click. Please refer section 7.7.1

Follows same as Standard endorsement- Endorse button click. Please refer section 7.7.1
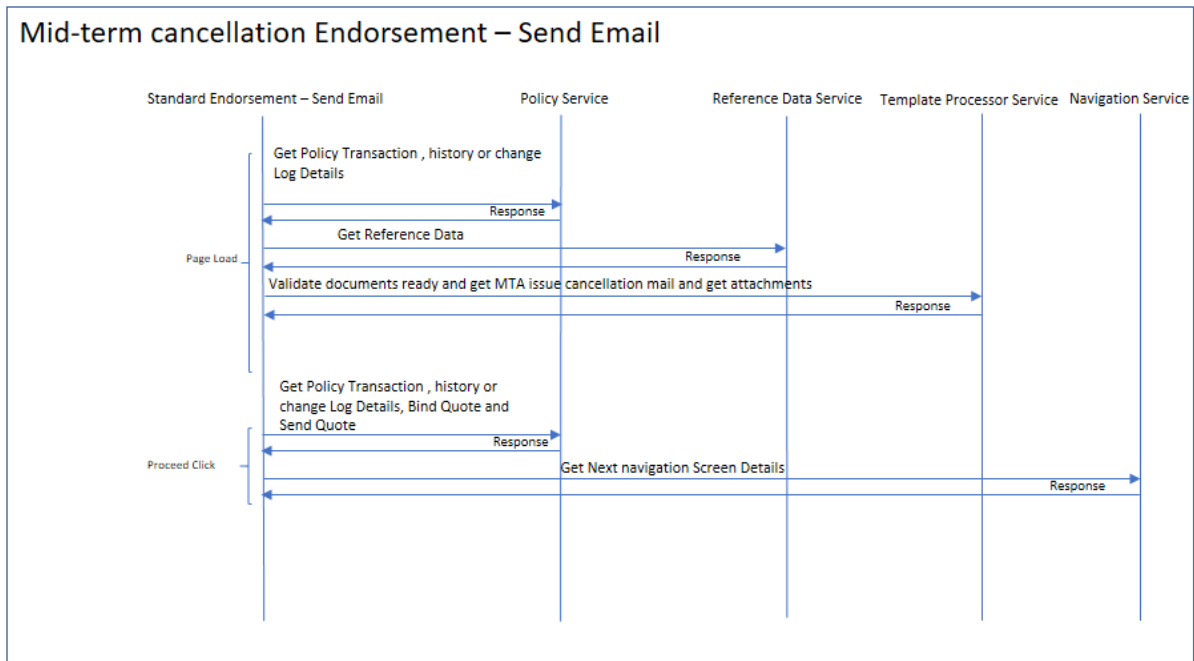
9.7.8.1 Mid-term cancellation Endorsement - Endorsement Summary

Follows same as Standard endorsement- Endorse Summary. Please refer section 7.7.3.9

9.7.8.2 Mid-term cancellation Endorsement -Change Summary

Follows same as Standard endorsement - Change Summary. Please refer section 7.7.3.10

9.7.8.3 Mid-term cancellation Endorsement - Send Email

Function Name : Mid- term **cancellation** Endorsement – Send Email
Description: Endorsement summary details will be updated on email template with attachments and will be sent to the client.
User Authorization : Internal/External users will primarily use this function.
Implementation Details: Page Load • **Policyservice** will be called to get Policy Transaction, history or change Log Details. • **ReferenceDataService** will be called to get reference data. • **TemplateProcessorService** will be called to Validate documents ready and get MTA Issue Cancellation Email and to get attachments Send Email - Proceed • **Policyservice** will be called to Get Policy Transaction , history or change Log Details, Bind Quote and Send Quote. • **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

9.7.8.4 Mid-term cancellation Endorsement - Appraisal Contacts

Follows same as Standard endorsement – Appraisal Contacts. Please refer section 7.7.3.12

9.7.8.5 Mid-term cancellation Endorsement – Closing

Follows same as Standard endorsement -closing. Please refer section 7.7.3.13

9.7.8.6 Mid-term cancellation Endorsement - Transaction History

Follows same as Standard endorsement – Transaction History. Please refer section 7.7.3.15

9.7.8.7 Mid-term cancellation Endorsement - Notes -Page load

Follows same as Pre-Renewal – Manual Process – Notes, Terminate Renewal. Please refer section 7.13.

9.7.9 Reinstatement – Endorsement

Function Name: Reinstatement Endorsement
Description: • By Clicking Endorse and since I have cancel it and there will be only one option -select "**Reinstatement**".Effective date is cancellation effective date. • Reinstatement effective date is taken for cancellation date. So there is no matter for back dated
User Authorization: Internal users and broker will primarily use this function.
Implementation Details: Follows same as Standard endorsement- Endorse button click. Please refer section 7.7.1

9.7.9.1 Reinstatement Endorsement - Endorsement Summary

Follows same as Standard endorsement- Endorsement Summary. Please refer section 7.7.3.9

9.7.9.2 Reinstatement -Change Summary

Follows same as Standard endorsement - Change Summary. Please refer section 7.7.3.10

9.7.9.3 Reinstatement - Send Email

Follows same as Standard endorsement – Send Mail. Please refer section 7.7.3.11

9.7.9.4 Reinstatement - Appraisal Contacts

Follows same as Standard endorsement – Appraisal Contacts. Please refer section 7.7.3.12

9.7.9.5 Reinstatement – Closing

Follows same as Standard endorsement -closing. Please refer section 7.7.3.13

9.7.9.6 Reinstatement - Transaction History

Follows same as Standard endorsement – Transaction History. Please refer section 7.7.3.1

9.7.9.7 Reinstatement - Notes -Page load

Follows same as Pre-Renewal – Manual Process – Notes, Terminate Renewal. Please refer section 7.13

9.7.10   Back-dated cancellation Endorsement
9.7.10.1   Back-dated cancellation Endorsement - Endorse button click

Function Name : Back-dated Cancellation -Endorsement
Description :.   • Back dated cancellation will not be applicable and it is not possible in real time. For underwriter portal no validation for back dated cancellation.   • For broker portal, it will say some validation for back dated cancellation.   • Cancellation should be done from start date.
User Authorization: Underwriters and Broker should cancel the endorsement.
Implementation Details: • Follows same as Standard endorsement- Endorse button click. Please refer section 7.7.1

9.7.10.2   Back-dated Endorsement - Endorsement Summary

Follows same as Standard endorsement- Endorse Summary. Please refer section 7.7.3.9

9.7.10.3   Back-dated Endorsement -Change Summary

Follows same as Standard endorsement - Change Summary. Please refer section 7.7.3.10

9.7.10.4   Back-dated Endorsement - Send Email

Follows same as Standard endorsement – Send Mail. Please refer section 7.7.3.11

9.7.10.5   Back-dated Endorsement - Appraisal Contacts

Follows same as Standard endorsement – Appraisal Contacts. Please refer section 7.7.3.12

9.7.10.6   Back-dated Endorsement – Closing

Follows same as Standard endorsement -closing. Please refer section 7.7.3.13

9.7.10.7   Back-dated Endorsement - Transaction History

Follows same as Standard endorsement – Transaction History. Please refer section 7.7.3.15

9.7.10.8   Back-dated Endorsement - Notes -Page load

Follows same as Pre-Renewal – Manual Process – Notes, Terminate Renewal. Please refer section 7.13.

9.7.11   Full Term Cancellation -Endorsement

Function Name : Full Term Cancellation -Endorsement
Description :. • **Standard** endorsement will be reversed first and then **cancellation** needs to be done. • Before the cancellation effective date, we need to reverse all the endorsement for that . ✓ Select the client from the portal. ✓ Select Reverse In button • While cancellation, the impact should be on Meridian
User Authorization: Underwriters and Broker should cancel the endorsement.
Implementation Details: • Follows same as Standard endorsement- Endorse button click. Please refer section 7.7.1

9.7.11.1   Full term cancellation Endorsement - Endorsement Summary

Follows same as Standard endorsement- Endorse Summary. Please refer section 7.7.3.9

9.7.11.2   Full term cancellation Endorsement -Change Summary

Follows same as Standard endorsement - Change Summary. Please refer section 7.7.3.10

9.7.11.3   Full term cancellation Endorsement - Send Email

Follows same as Standard endorsement – Send Mail. Please refer section 7.7.3.11

9.7.11.4   Full term cancellation Endorsement - Appraisal Contacts

Follows same as Standard endorsement – Appraisal Contacts. Please refer section 7.7.3.12

9.7.11.5   Full term cancellation Endorsement - Closing

Follows same as Standard endorsement -closing. Please refer section 7.7.3.13

9.7.11.6   Full term cancellation Endorsement - Transaction History
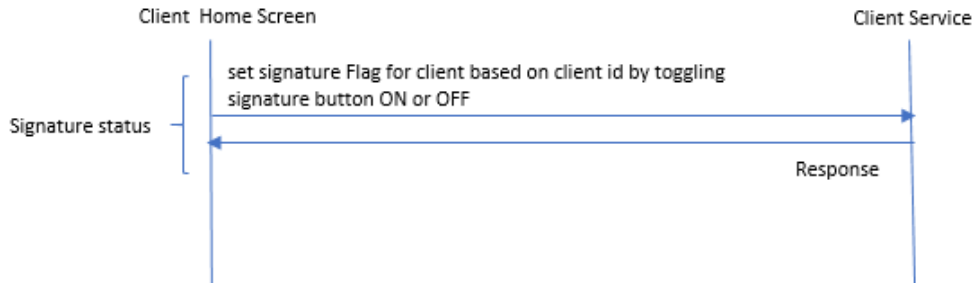
Follows same as Standard endorsement – Transaction History. Please refer section 7.7.3.15

9.7.11.7   Full term cancellation Endorsement - Notes -Page load

Follows same as Pre-Renewal – Manual Process – Notes, Terminate Renewal. Please refer section 7.13.

9.8   Signature status

| Function Name : Signature status |
|---|

Description :.

- When the premium amount is greater than $10,000, while creating a NB policy, policy or customer will be entitled for Signature Status and he will be considered as high net worth customer, i.e., he will have additional privileges, document structure will be different.
- Underwriter can override the Signature Status, such that the Signature privileges will be lost.
- Underwriter can turn it **OFF.** Premium will not change, only the high-profile customer privileges will be lost.

User Authorization: Internal users - Underwriters will primarily use this function.

Implementation Details:

- **Client service** will be called to set signature Flag for client based on client id by toggling signature button ON or OFF.

9.9   Edit Client
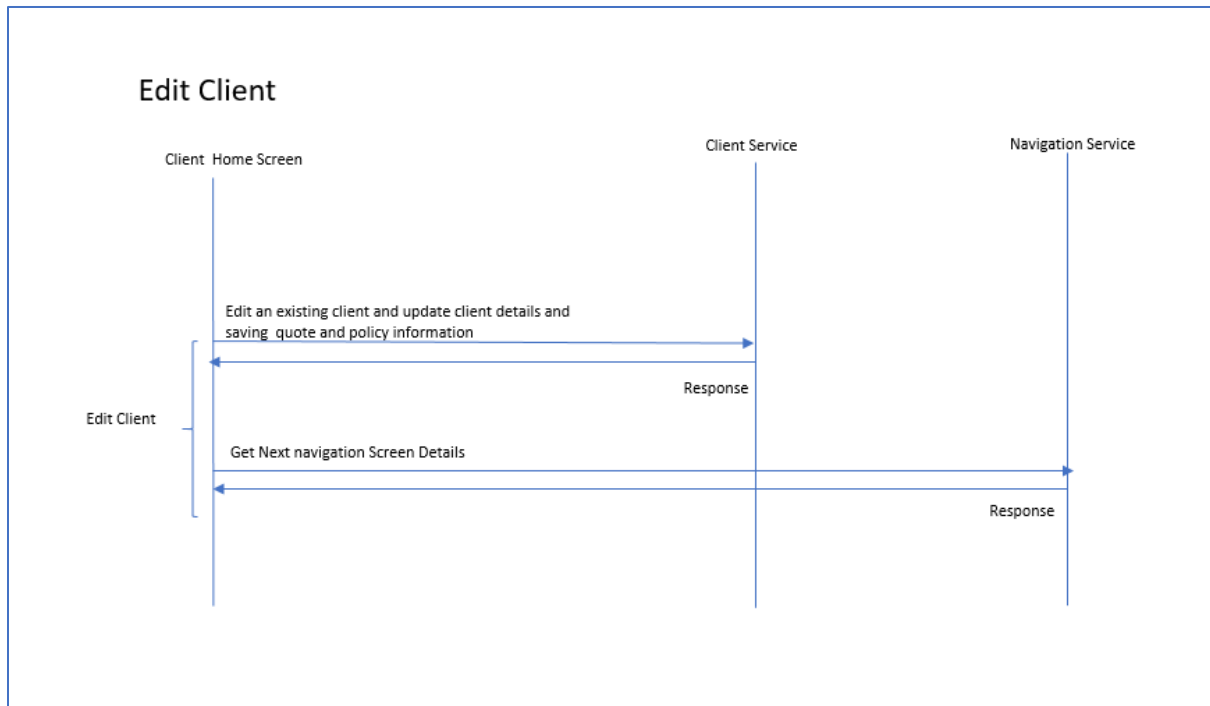
Function Name : Edit Client

Description :.

- Edit an existing client by clicking 'Edit client 'button and update client details
- Update client details on clicking 'Procced to Quote' button in Policy info screen

User Authorization: Internal users - Underwriters will primarily use this function.

Implementation Details:

- **Client service** will be called to edit an existing client and update client details while saving indicative quote and saving policy information

9.10 Search

9.10.1 Policy /Quote# Search

Search – Policy /Quote# Search
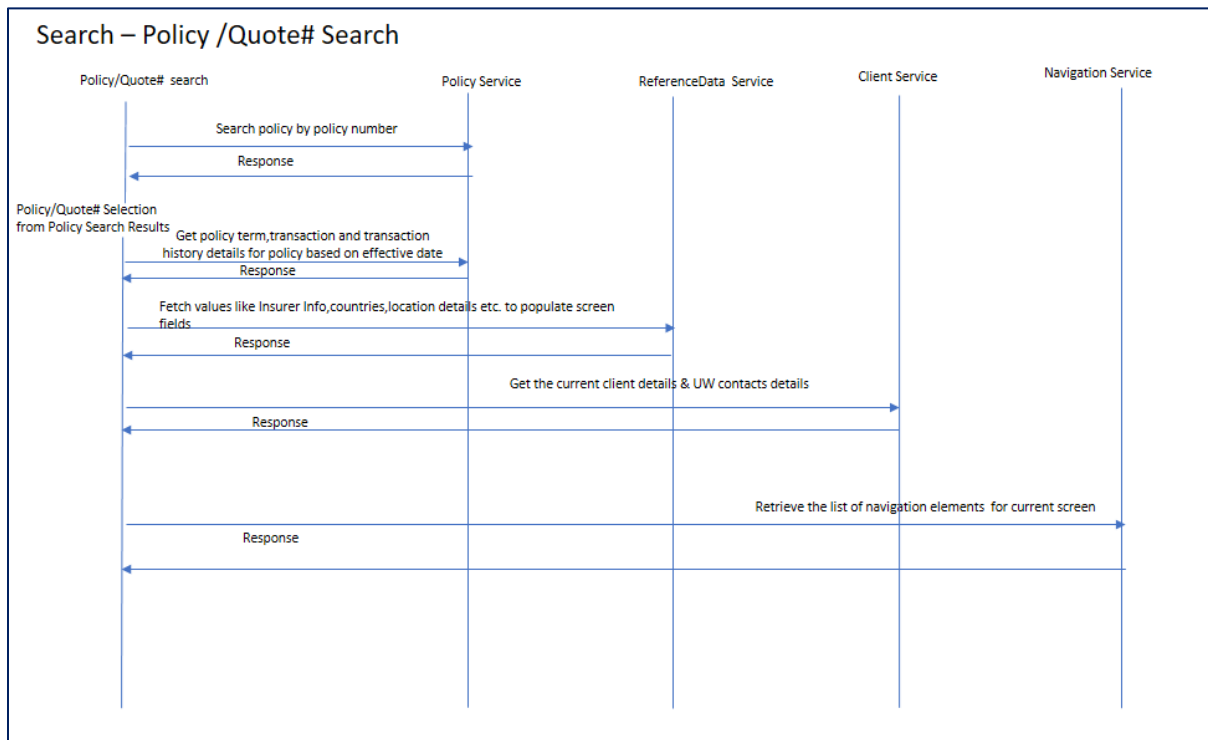
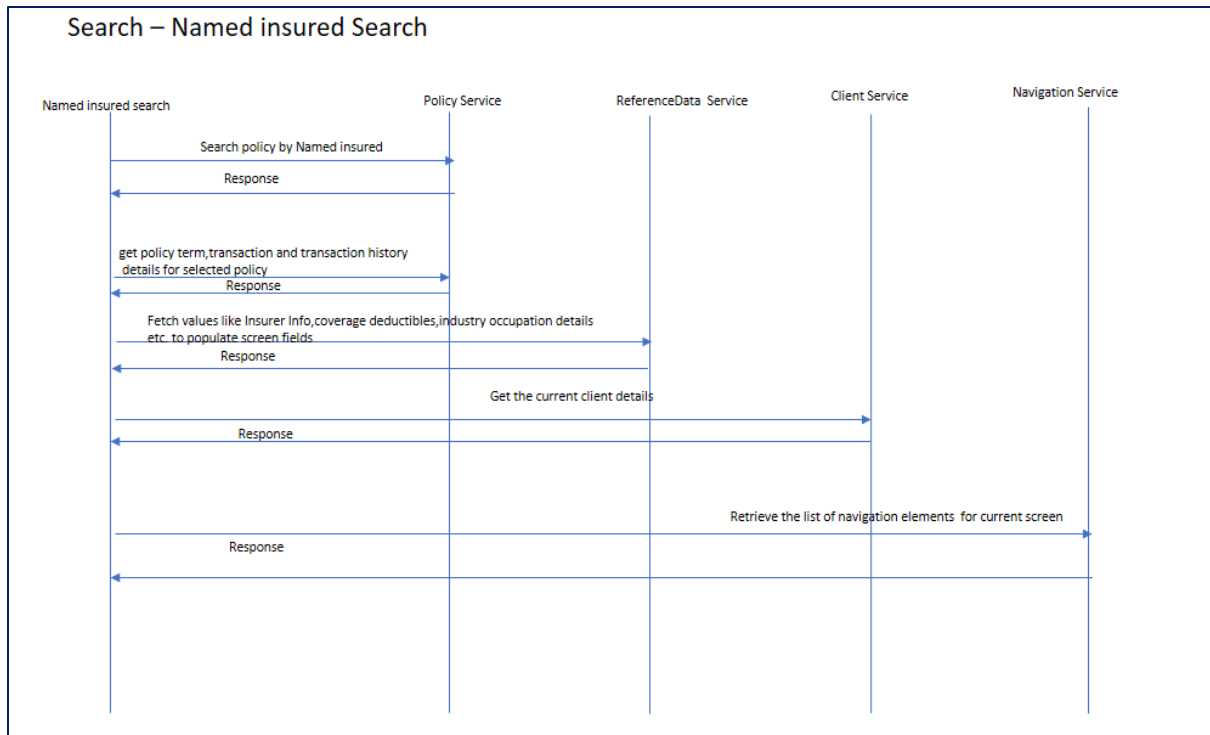| Function Name: **Policy /Quote# Search** |
|---|
| **Description:** The Policy /Quote# Search can be used to search for a policy/quote by the given policy/quote number. |
| **User Authorization:** Internal users will primarily use this function. |

Implementation Details:

Policy /Quote# Search

- **Policyservice policySearchByNumber** method will be called to search for a policy/quote by the given policy/quote number.

Policy/Quote# Selection from Policy Search Results

- **Policyservice** will be called to get policy term,transaction and transaction history details for selected policy based on effective date.
- **ReferenceDataService** call will fetch values like Insurer Info,countries,location details etc. to populate screen fields.
- **ClientService** call will retrieve the current client details & UW contacts details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

9.10.2 Function Name: Named insured Search

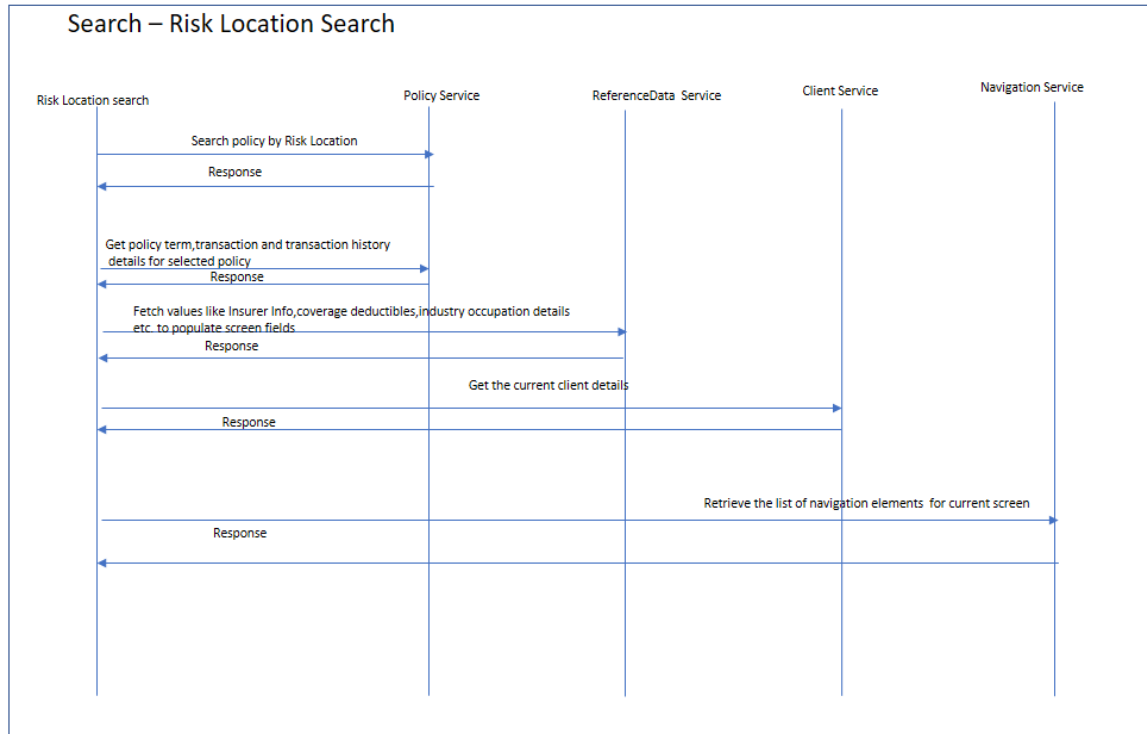| Function Name: **Named insured Search** |
| --- |
| **Description:** The Named Insured Search can be used to search for a policy/quote by the given Named insured. |
| **User Authorization:** Internal users will primarily use this function. |

Implementation Details:

Named insured Search

- **Policyservice namedInsuredSearch** method will be called to search for a policy/quote by the given Named insured .
- **Policyservice** will be called to get policy term,transaction and transaction history details for selected policy based on effective date.
- **ReferenceDataService** call will fetch values like Insurer Info,coverage deductibles,industry occupation details etc. to populate screen fields.
- **ClientService** call will retrieve the current client details.
- **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen.

9.10.3 Function Name: Risk Location Search

Search – Risk Location Search

| Function Name: Risk Location Search |
| --- |
| **Description:** The Risk Location Search can be used to search for a policy/quote by the given Risk Location. |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Risk Location Search

• **Policyservice riskLocationSearch** method will be called to search for a policy/quote by the given Risk Location.
• **Policyservice** will be called to get policy term,transaction and transaction history details for selected policy based on effective date.
• **ReferenceDataService** call will fetch values like Insurer Info,coverage deductibles,industry occupation details etc. to populate screen fields.
• **ClientService** call will retrieve the current client details.
• **Navigationservice getNavigationScreenInfo** method call will retrieve the list of navigation elements for current screen. |

9.10.4   Function Name: Linked Account Search

Search Linked Account Search

Linked Account search

Account Service

Search for Linked Accounts →

← Response
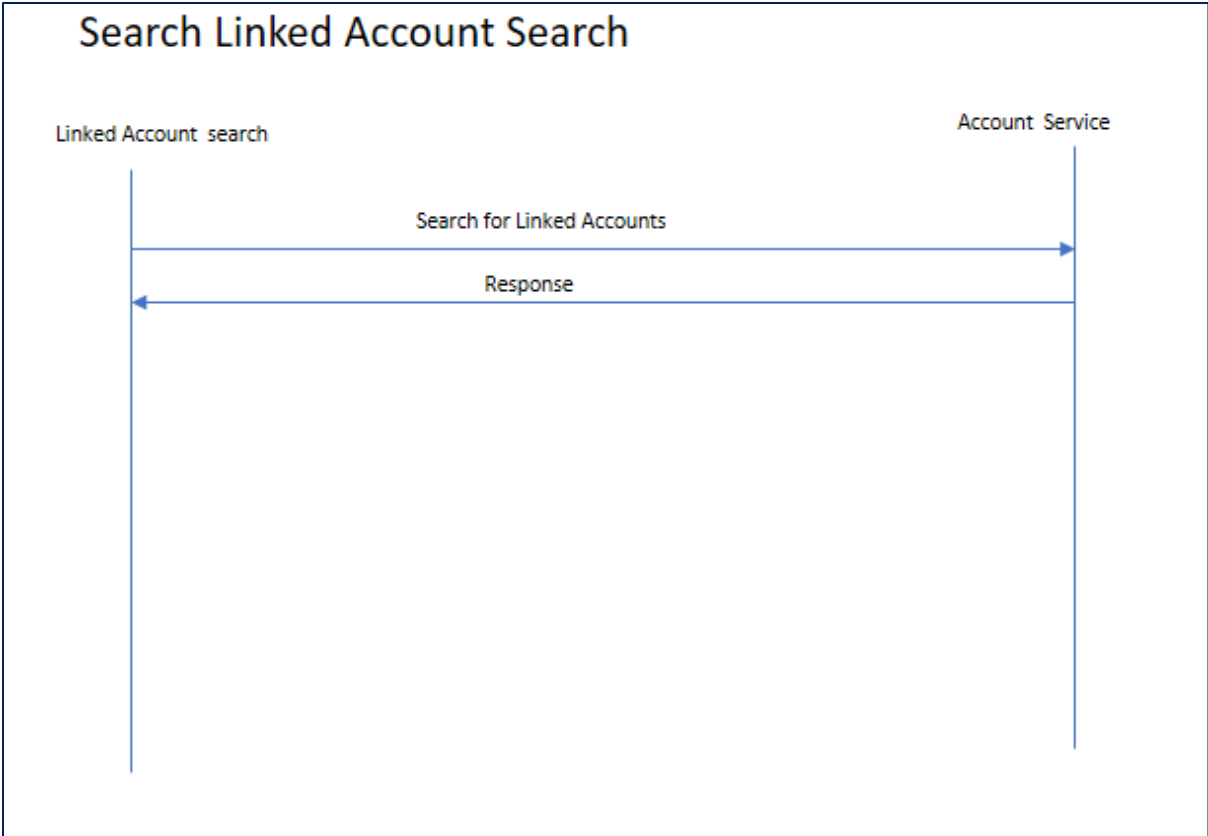
Function Name: Linked Account Search
Description: The Linked Account Search can be used to search for a Linked Account.
User Authorization: Internal users will primarily use this function.
Implementation Details: Linked Account Search • **Accountservice searchAccount** method will be called to search for a Linked Account.

9.11 Notes, Claims, Other Associated Clients

Client details screen
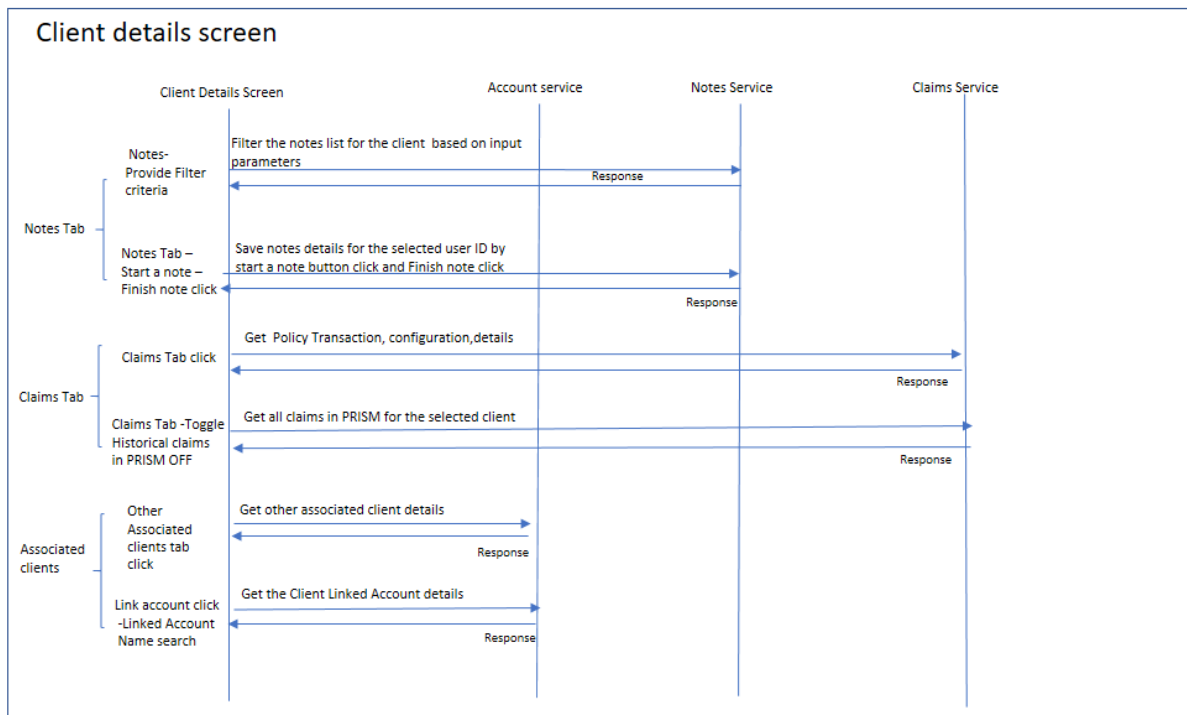
Function Name Notes,Claims,Other Associate clients-Client screen

Description :.

Notes Tab:

Filter section and start a note and finish a note of the specified policy.

Claims:

Toggle Historical claims in PRISM ON /OFF and claims details.

Other Associated Clients:

Link client button and linked client details.

User Authorization: Internal users - Underwriters will primarily use this function.

Implementation Details:

Notes

- **NotesServices** will be called to filter the notes list for the client based on input parameters -Notes Tab - Provide Filter criteria and also save notes details for the selected userID by start a note button click and Finish note click

Claims:

- **Claims service** will be called to get client Details by using Claims Tab click even to get all claims in PRISM for the selected client.

OtherAssociatedClients:

- **Account Service** will be called to get the client Details by clicking other associated clients tab

- By clicking Link account button to get the Linked Account Name search list to display in the grid.

9.12 Appraisal Request Form, LAR, Decline Quote
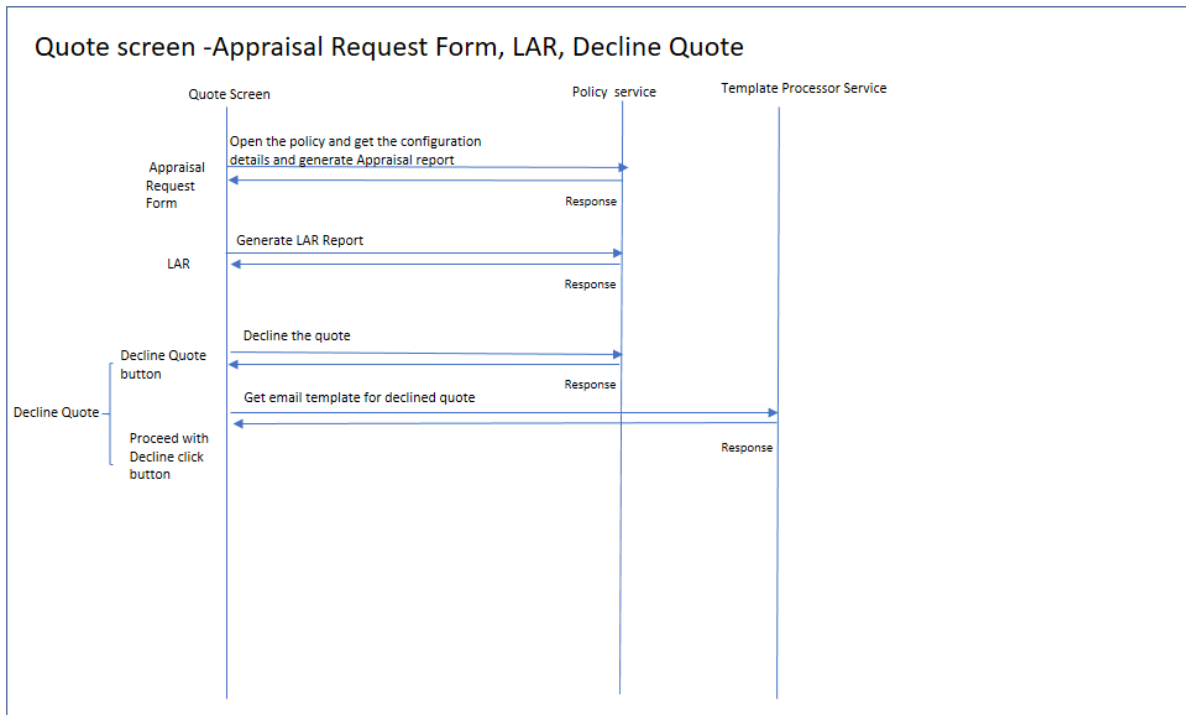
Function Name Appraisal Request Form, LAR, Decline Quote

Description :.

Appraisal Request form:

Open the policy and get the configuration details and generate Appraisal report.

Generate LAR:

To generate LAR reports for the policy.

Decline Quote:

Decline the quote and send the mail.

User Authorization: Internal users - Underwriters will primarily use this function.

Implementation Details:

Appraisal Request form:

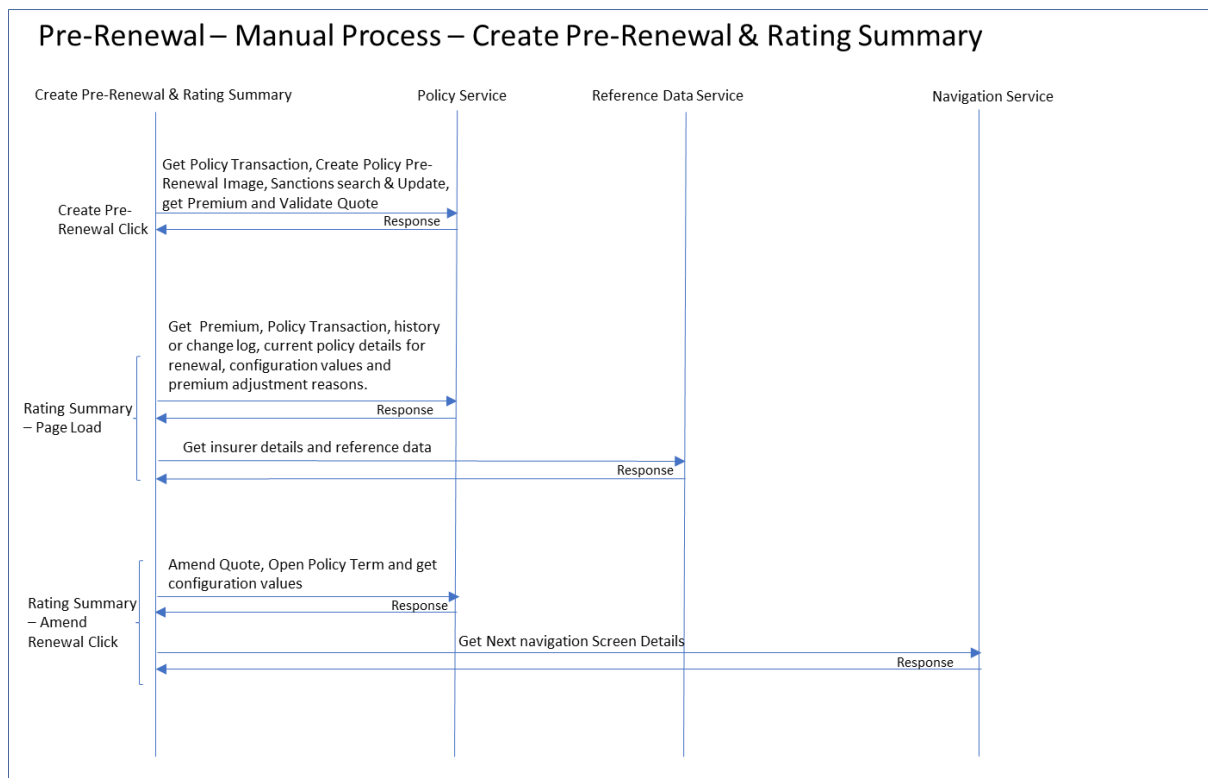**Policy Service** will be called to open the policy and get the configuration details and generate Appraisal report.

Generate LAR:

Policy Service will be called to generate LAR reports for the policy.

Decline Quote:

Policy service will be called to decline the quote and **Template Processor Service** is used to generate a email template send the mail.

9.13 Pre - Renewal – Manual Process

Pre-Renewal – Manual Process – Create Pre-Renewal & Rating Summary

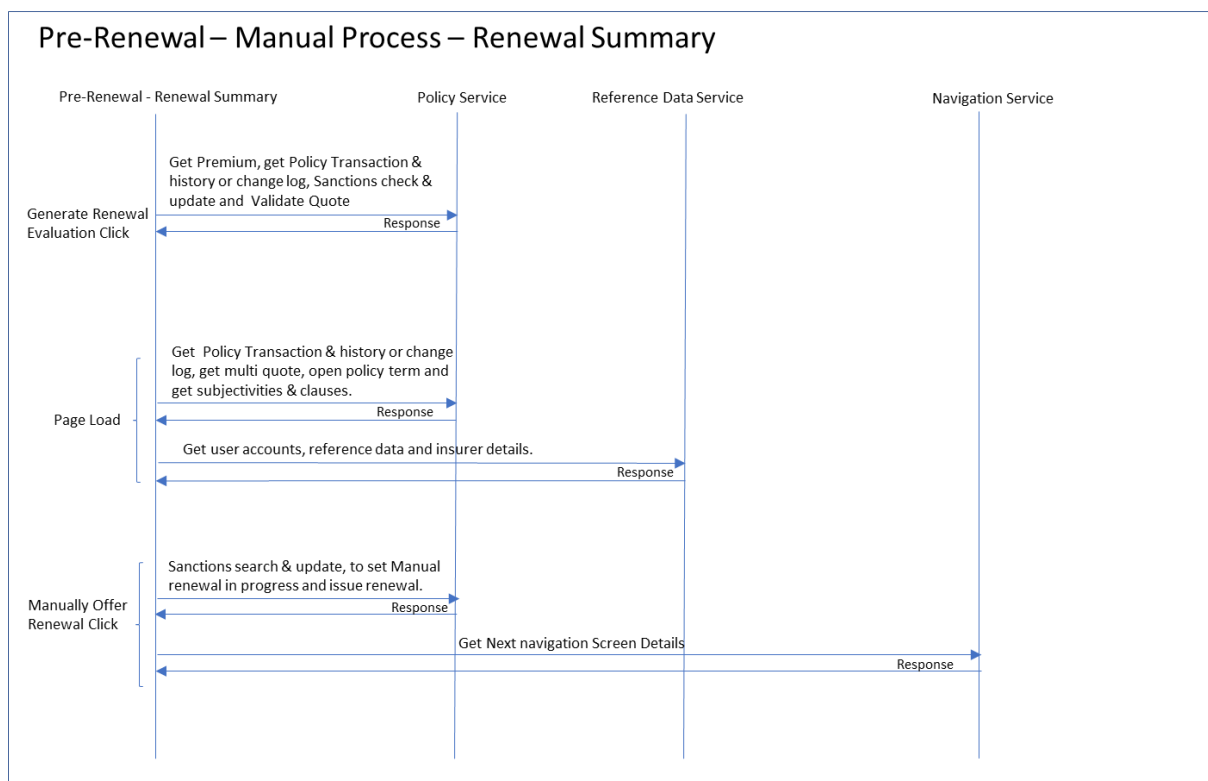| Function Name: **Pre-Renewal – Manual Process – Create Pre-Renewal & Rating Summary** |
|---|
| **Description:** |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Create Pre-Renewal |

- **Policyservice** will be called to get Policy Transaction, Create Policy Pre-Renewal Image, Sanctions search & Update, get Premium and Validate Quote.

Rating Summary – Page Load

- **Policyservice** will be called to get Premium, Policy Transaction, history or change log, current policy details for renewal, configuration values and premium adjustment reasons.
- **ReferenceDataService** will be called to get insurer details and reference data.

Rating Summary – Amend Renewal

- **Policyservice** will be called to Amend Quote, Open Policy Term and get configuration values.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Pre-Renewal – Manual Process – Renewal Summary

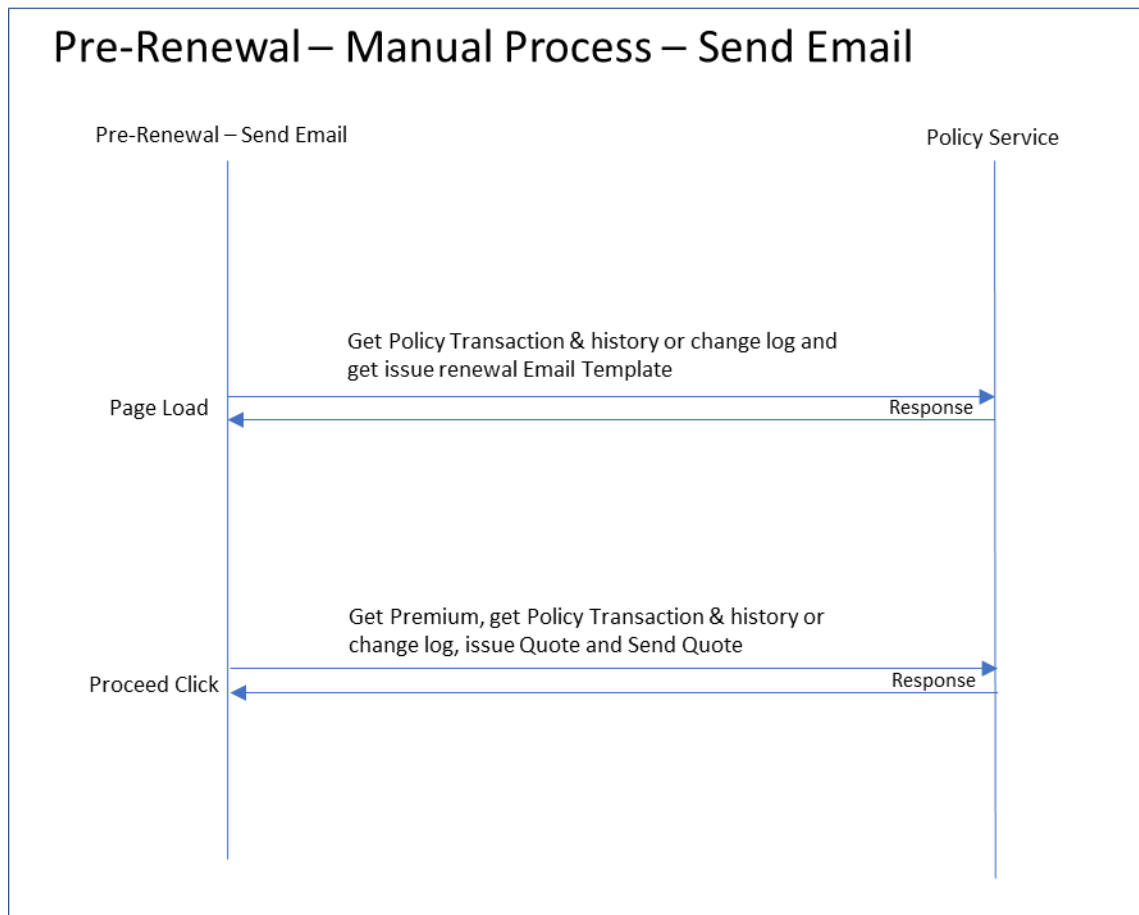| Function Name: **Pre-Renewal – Manual Process – Renewal Summary** |
|---|
| **Description:** |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Generate Renewal Evaluation |

- **Policyservice** will be called to get Premium, get Policy Transaction & history or change log, Sanctions check & update and Validate Quote.

Page Load

- **Policyservice** will be called to get Policy Transaction & history or change log, get multi quote, open policy term and get subjectivities & clauses.
- **ReferenceDataService** will be called to get user accounts, reference data and insurer details.

Manually Offer Renewal

- **Policyservice** will be called to do Sanctions search & update, to set Manual renewal in progress and issue renewal.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Pre-Renewal – Manual Process – Send Email

Pre-Renewal – Send Email   Policy Service

Get Policy Transaction & history or change log and
get issue renewal Email Template

Page Load ← Response

Get Premium, get Policy Transaction & history or
change log, issue Quote and Send Quote

Proceed Click ← Response

Function Name: Pre-Renewal – Manual Process – Send Email

Description:

User Authorization: Internal users will primarily use this function.

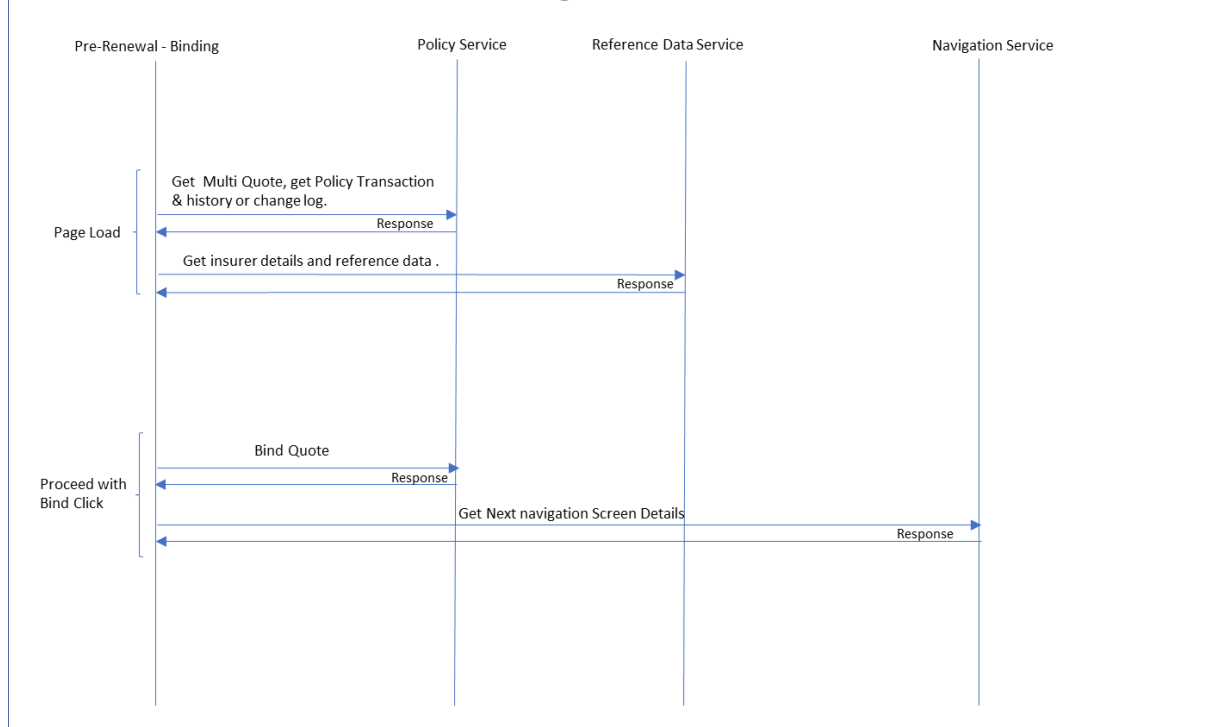| |
|---|
| **Implementation Details:**

Page Load

• **Policyservice** will be called to get Policy Transaction & history or change log and get issue renewal Email Template.

Proceed Click

• **Policyservice** will be called to get Premium, get Policy Transaction & history or change log, issue Quote and Send Quote. |

Function Name: Pre-Renewal – Manual Process – Binding

Description:

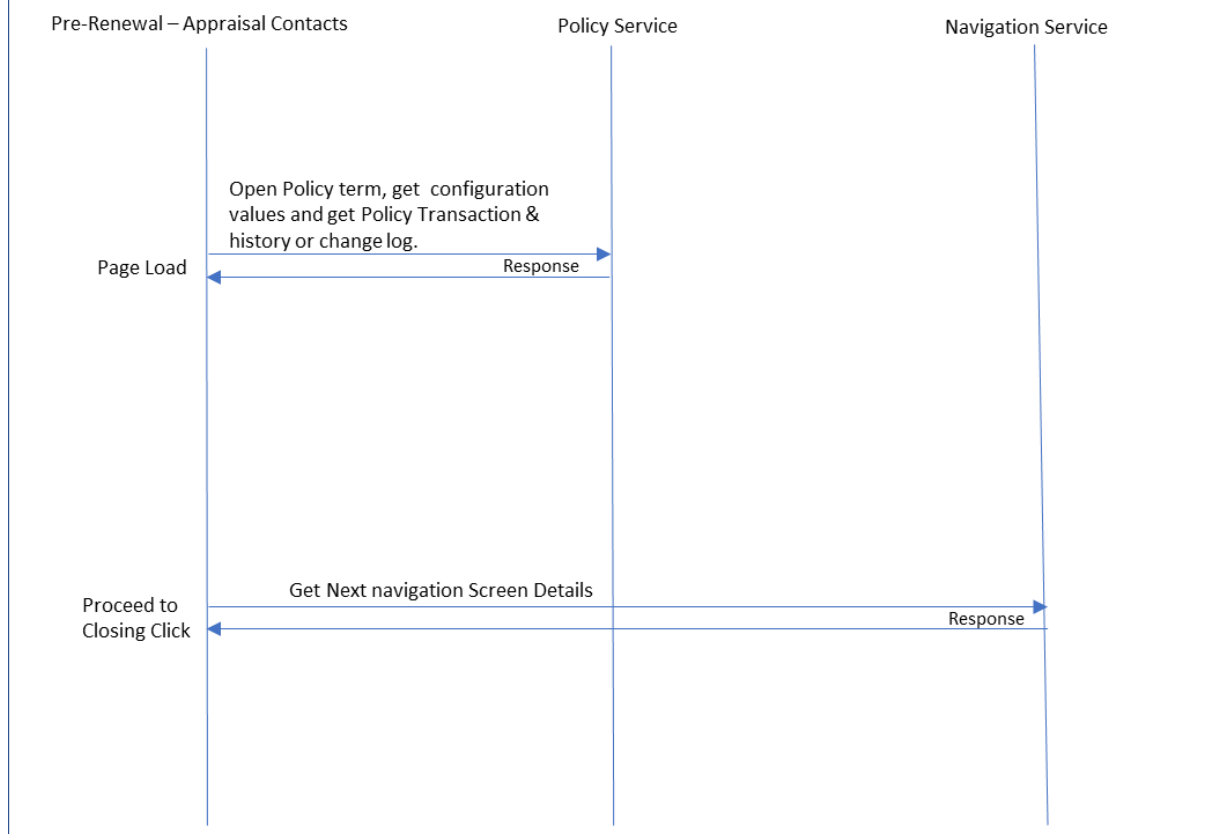| |
|---|
| **User Authorization:** Internal users will primarily use this function. |

Implementation Details:

Page Load

- **Policyservice** will be called to get Multi Quote, get Policy Transaction & history or change log.
- **ReferenceDataService** will be called to get insurer details and reference data.

Proceed with Bind

- **Policyservice** will be called to Bind Quote.
- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Pre-Renewal – Manual Process – Appraisal contacts

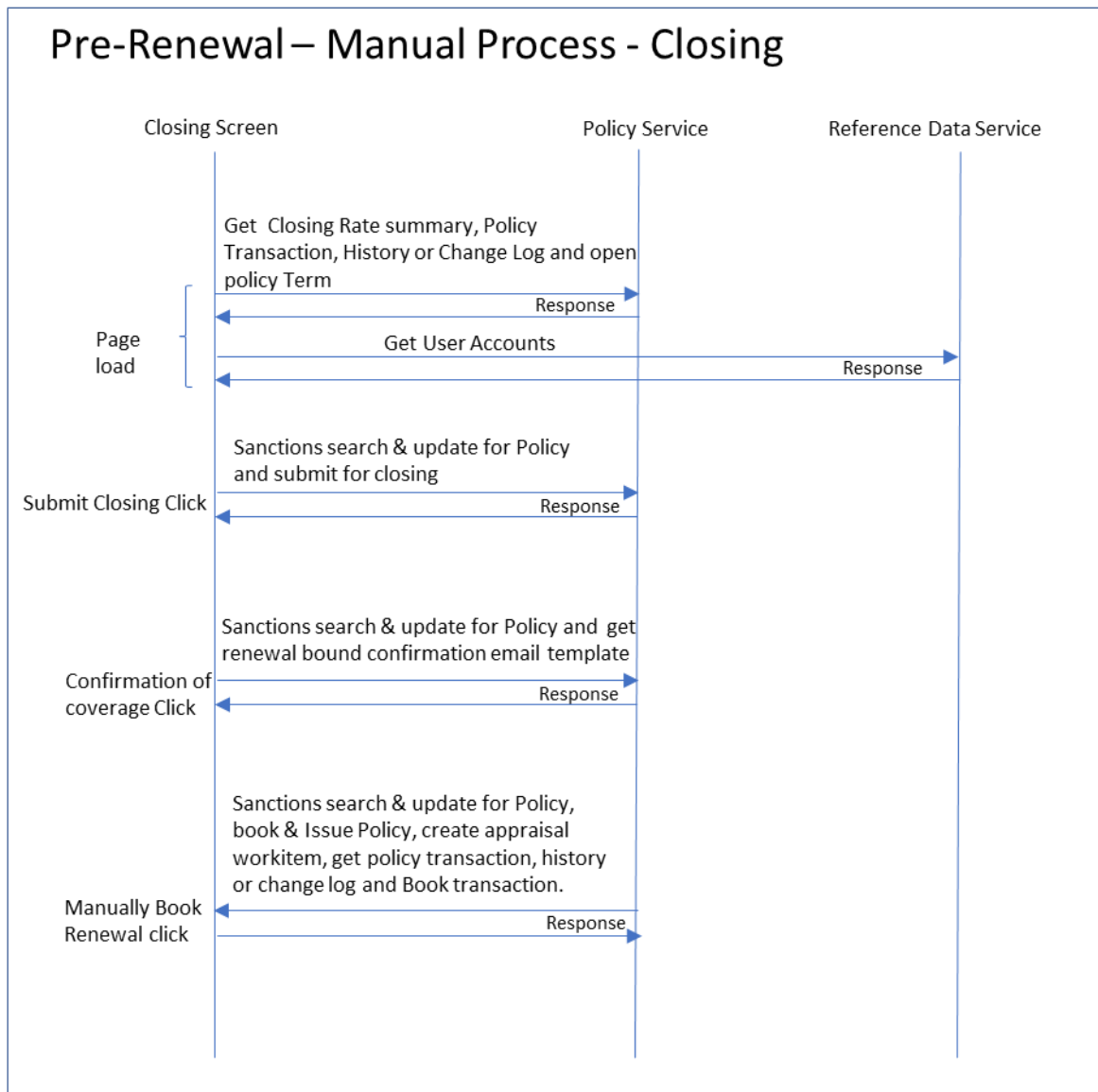| Function Name: **Pre-Renewal – Manual Process – Appraisal contacts** |
| --- |
| **Description:** |
| **User Authorization:** Internal users will primarily use this function. |
| **Implementation Details:**

Page Load |

- **Policyservice** will be called to Open Policy term, get configuration values and get Policy Transaction & history or change log.

<u>Proceed to Closing</u>

- **Navigationservice getNavigationNextStep method** call will return the details on the next screen to be navigated from the current screen.

Pre-Renewal – Manual Process - Closing

Function Name: **Pre-Renewal – Manual Process - Closing**
Description:

User Authorization: Internal users will primarily use this function.

Implementation Details:

Page Load

- **Policyservice** will be called to get Closing Rate summary, Policy Transaction, History or Change Log and open policy Term.
- **ReferenceDataService** will be called to get user accounts.

Submit Closing

- **Policyservice** will be called to do Sanctions search & update for Policy and submit for closing.

Confirmation of coverage
- **Policyservice** will be called to do Sanctions search & update for Policy and get renewal bound confirmation email template.

Manually Book Renewal

- **Policyservice** will be called to do Sanctions search & update for Policy, book & Issue Policy, create appraisal workitem, get policy transaction, history or change log and Book transaction.

Pre-Renewal – Manual Process – Notes, Terminate Renewal
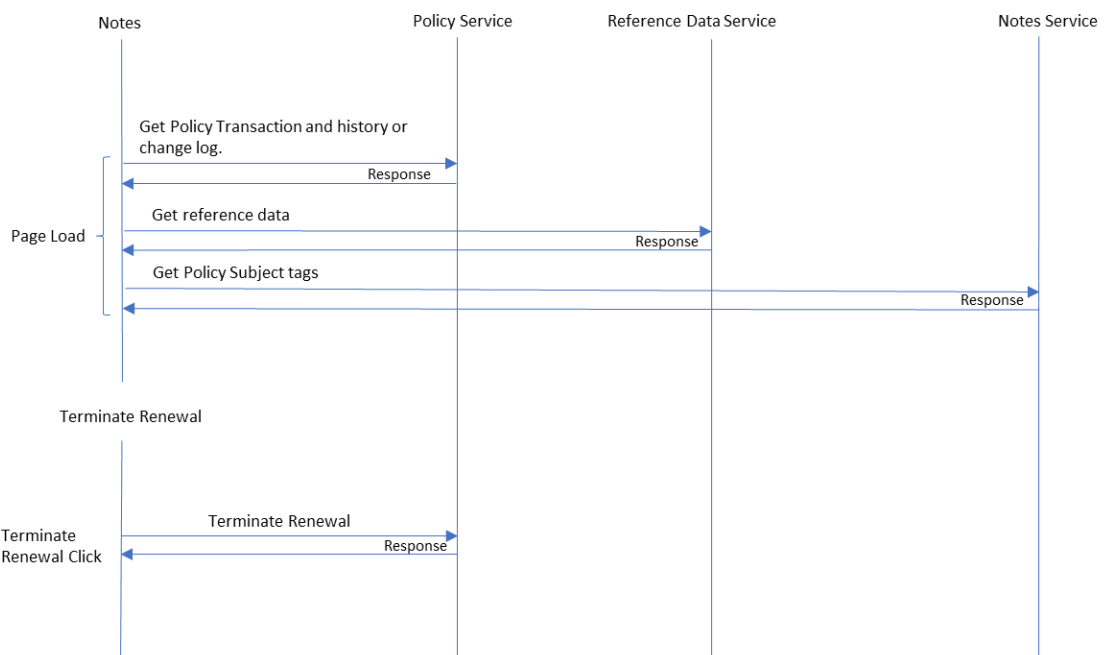
Function Name: Pre-Renewal – Manual Process – Notes, Terminate Renewal

Description:

User Authorization: Internal users will primarily use this function.

Implementation Details:

Notes - Page Load

- **Policyservice** will be called to get Policy Transaction and history or change log.
- **ReferenceDataService** will be called to get reference data.
- **NotesService** will be called to Get Policy Subject tags.

Terminate Renewal

- **Policyservice** will be called to do Terminate Renewal.

10 DB Architecture

The following are the databased as part of Evolution program

1. EvolutionReporting
2. Policy Admin
3. WorkManager

   4. PLDBatchTimer
   5. AddressLevelRatingService
   6. SSISDB

1. **EvolutionReporting**

   All Reporting Reference tables and save report conditions managed under Evolution Reporting

   DB and other reports summary tables are managed under Policy admin DB.

2. **PolicyAdmin**

   All Policies/Quotes related transactional Data and Reference data tables are managed under Policy admin DB.

   There are different set of tables managed for each Product. (Table Naming Convention: dbo. Pol_PolicyCoverageForAustralian{ProductName}{ItemName})

Other important tables are dbo.Pol_Policy, dbo.Pol_PolicyTerm, dbo.Pol_PolicyTransaction

Categories of tables are not differetiated by different schemas rather by table naming conventions.

- **dbo.Prod_**   - Product configuration tables
- **dbo.Ref_**   - Reference Tables
- **dbo.Rating_**   - Rating Tables
- **dbo.Proc_**   - Selection Logics
- **dbo.Sec_**   - Security Tables
- **dbo.Wf_**   - WorkManager Workflow

3. **WorkManager**

   All policy referrals /work item transactional data and reference data tables.
   Categories of tables are differentiated by different schema names.

4. **PLDBatchTimer**

   All Batch jobs task related details are managed under PLD Batch Timer.

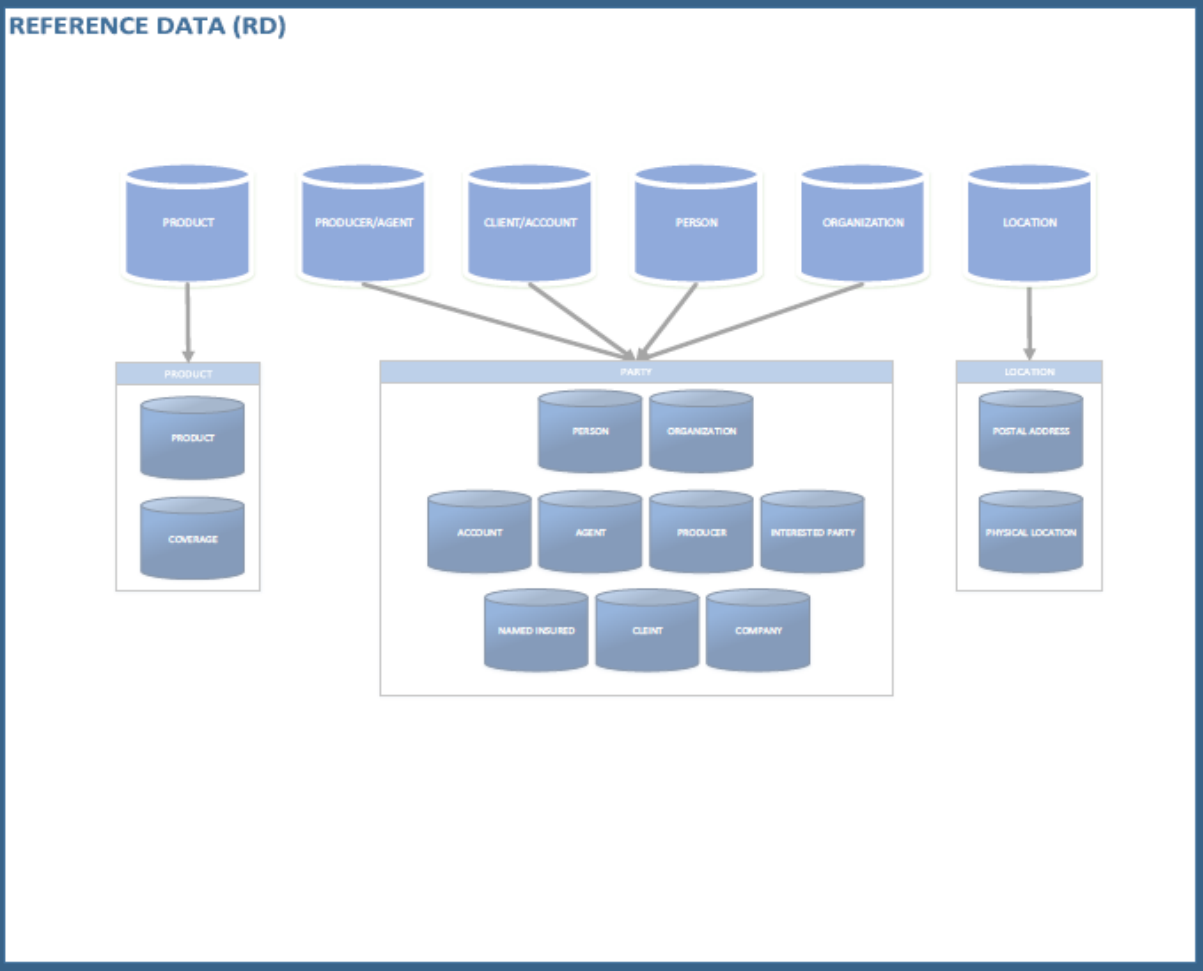| Sno	DB Name	Tables Counts	Procedures Counts	Views Counts	Functions Counts	Triggers Counts
1	PolicyAdmin	729	60	96	22	0
2	WorkManager	118	31	3	4	0
3	PLDBatchTimer	5	7	0	1	0
4	EvolutionReporting	22	14	5	0	0
5	AddressLevelRatingService	11	4	0	0	0
6	SSISDB	30	86	33	10	0

Transactional Data:
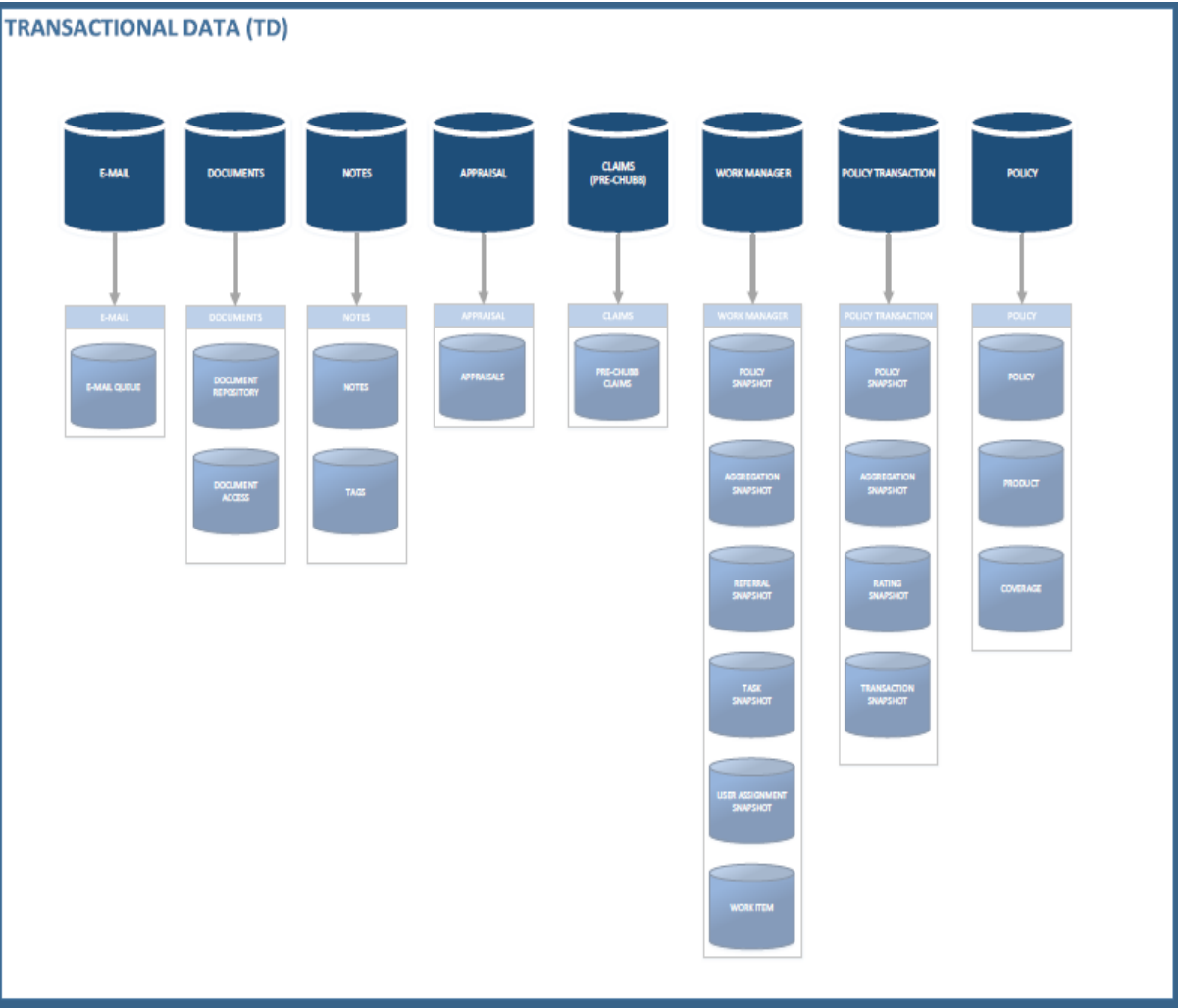
Reference Data – Part 1:
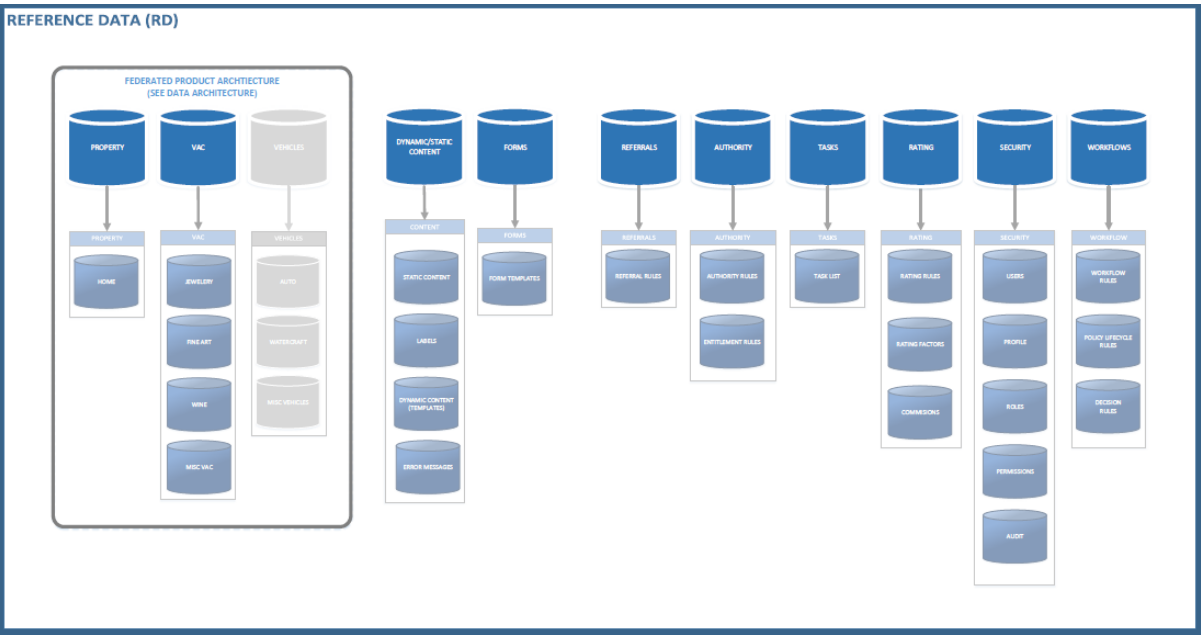
Reference Data – Part 2:

<u>Note: "This diagram has been referred & taken from Chubb provided documents (Evolution L3 Diagram)"</u>

Database - Inventory List (Tables, Procedure, View, Triggers, Functions)

DBDetails.xlsx

11 Build and Packaging

Final Builder is a third-party scripting tool. Final Builder is a company name Chubb as purchase to take a build and deployment. Final Builder is used to create a step to run and set which environment need to run to take a build and deployment.

Final Builder tool have Create a project for each of them. Maintain the target what are the steps needed to be carried out. Login to server, svn access, server access details maintain in the default parameter. Init, policy admin, Reporting and so on..

Different environment such as DEV, SIT, QA, UAT and PROD in Evolution.

Final Builder tool to build both Front end and Back end service. For front end services Dot net power shell script and for backend java service have ant build. It used to provide individual command to execute manually and as well as automatically. For Database have power shell script -DBBackup.ps1 and DBBuild.ps1 to copy from the script to the target folder and take a build.

For Dot net front end power shell script →**BuildDeploymentArtefacts.ps1**

BuildAdminPortalDeploymentArtefecats.ps1

BuildManagementReportingDepoloymentArtefecats.ps1

For Java backend script **-> ws_ant.bat**

BuildDeploymnetArtefacts.ps1 run with power shell script contains four options as below:

- 1->W--> Web + Services
- 2->D- -> DB only
- 3->A--> All
- 4->Q-->Quit

ws_ant.bat run with command prompt to generate java ear files

autodeploy.bat is created manually with WebSphere Jython library and is a combination of Java and Jython. Specific the environment wherever you what to deploy it has been invoked. The main jython file is websphere.py script file what are the tasks need to apply.

Final builder takes daily bases with automatic scheduler build for different environment. On demand basis manual build also taken to generate assets.

Config.ini files tell the information about the server name need to deploy and path on it. This config.ini file is placed under Build/Final Builder.

Daily schedule build is taken through window schedule to schedule time only DEV and SIT environment. It takes 45 – 50 min to complete the build.

Each project has separate server to build and its build own structure ie build.xml Individual build file to call the jar to take a build.

Process to take build and deployment:

- For instance, New Application/portal/add new library file in evolution, then the developer team should generate and to do script for that under project folder.
- Pull the data from the SVN latest check out and zip it
- Create a directory in the SIT environment and zip of all the template
- Build the ws_ant.bat to created. ear files under Deployment folder and copy from one location to other location and deployment those changes and the same folder build files have autodeploy.bat will run and then start server.
- Similarly, the front end build also taken from final builder but different server.

Only DEV and QA environment we should deployment and other remaining environment such as NFT, UAT, PROD we need to have formal request to Chubb need approval and it has been to take manual and multiple deployment.

Final Builder take care of both a build and deployment for only DEV and SIT environment.

12 Security

- **Internal users** will be authenticated with Windows user login, validated on Active directory.
- **External users** will be authenticated using encrypted token sent by Horizon API. Users are validated in Horizon and intermediary user token will be sent to Evolution front end for authentication.
- **SecurityService.getUserAccountByLoginId** method will be called to get internal users account details and organizational roles details.
- **SecurityService.getUserAccountByIntermediaryID** method will be called to get external users account details and organizational roles details.
- **PolicyAdmin.Party_Employee** table will have the internal users details with business role mapping
- **PolicyAdmin.Party_ExternalUser** table will have the external users details with business role mapping
- **PolicyAdmin.Party_EmployeeBusinessRole** table maintains the relationship between internal users and business role
- **PolicyAdmin.Party_ExternalUserBusinessRole** table maintains the relationship between external users and business role
- **PolicyAdmin.Org_BusinessRole** table will have the business role details.
- Policy Admin UI menus & access levels will be determined based on the user business role

13 Appendix A

13.1 Definitions and Acronyms

Term/Acronym	Definition
UW	Underwriter
EUF	Electronic Underwriter File
NAB	National Australia Bank
ODM	Operational Decision Manager

13.2 Functional Service Mapping & Process Flow

Functionality_Servic
eMappings.xlsx

Service_Functionalit
y_Mapping_Evolutic

WorkManager_Fun
ctionality_Mapping.

Process Flow:

ProcessFlow.xlsx

13.3 Estimation Model

Working with Chubb for update

13.4 Review checklist

Working with Chubb for update

13.5 Java/.Net/Database coding checklist

Working with Chubb for update

13.6 Release Process

Working with Chubb for update

13.7 NFR

Working with Chubb for update

13.8 Reference

Working with Chubb for update

13.9 Browser & OS Support:

Working with Chubb to get update

13.10 Software & Hardware Details:

The following table mentions the technology stack software that will be provided by Chubb which will used in the current engagement for Evolution Portal system. *Working with Chubb for update to get hardware details*

Server Software
WebSphere Application Server 8.5
ODM Decision Server 8.7.1
ODM Decision Centre 8.7.1
MSSQL 2012 SP2
BizTalk 2013 server
Third-Party Services
Google Location Services (Address autocomplete)
Developer Software
Visual Studio 2012
IBM RAD 8.5.5.1
SSMS 2012
MSSQL 2012 SP2 (Developer edition)
WebSphere Application Server 8.5.5.4
Tortoise SVN 1.9.x
SQL Server Data Tools/BI For Visual Studio 2012
AnkhSVN (SVN integration into visual studio)
Visual Studio Productivity Power Tools 2012
Eclipse
ODM Rule Designer
IBM Decision Server/Centre (ODM)
Aspose.Words for .NET
FinalBuilder Pro

Working with Chubb to get hardware update