

Arch FAC Validations Enhancement Requirements

Policy Decisions

Version 1.0 • August 17, 2021

Client Name: Arch

PPM Enhancement Number: 3705164

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1 Document History & References

1.1 Revision History

| Ver. | Rev. Date | Summary of Changes | Author |
|------|------------|--------------------|----------------|
| 1.0 | 06/11/2021 | Initial Draft | Dhanraj Kotian |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

1.2 Review and/or Approvals

| Version | Date | Stakeholder | Signature / Email Reference |
|---------|------|-------------|-----------------------------|
| | | | |
| | | | |
| | | | |

1.3 Team Contact List

| Name | Role | Telephone | Email |
|-----------------|----------|--------------|------------------------------|
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1.4 Reference Documents and/or Attachments

Note: Paper copies are valid only on the day they are printed. Contact the author if you are in any doubt about the accuracy of this document.

Please see the following documents for more information:

| Document Name | Version | Author |
|---------------------|---------|--------|
| w = | | |
| FAC Gap-analysis v | | |
| 0.10.docx | | |
| X | | |
| HLR_FAC_Validations | | |
| .xlsx | | |
| | | |

| Client | Name: | Arch |
|--------|-------|------|
| | | |

Client Enhancement Requirements

2 Policy Decisions

2.1 Business Purpose

The Arch underwriting unit that purchases FAC reinsurance on just about 100% of their book of business is Alternative Markets. This is a Captive book that contains thousands of member policies most of which may have FAC purchased. It is an ever-evolving step in the policy workflow where we customize the fac purchase to either all coverages on a policy or just a portion. We could limit the FAC placement, to a coverage, location or even a building. We are constantly adding new reinsurers to our portfolio, while discontinuing our relationship with others. It is because of this, that the preferred build of some of the field values listed in this document be built in a way that Arch can be a self-service client with respect to the maintenance of these.

2.2 Assumptions/Constraints/Dependencies/Out of Scope

Mark this box with an "x" if this section is not applicable to the enhancement.

| ID | Assumption | Reference |
|------|--|-----------|
| AS01 | Except for the changes mentioned in this document, Facultative Reinsurance screen should perform as it currently does. | |
| AS02 | No Rating/RW, Pass1, Pass 2 and forms changes associated with this enhancement. | |
| AS03 | | |

2.3 Process

2.3.1 Current Process

| ID | Description |
|------|--|
| CP01 | The user input fields outlined in this requirement do not have rule/edits enforces that are compatible with their respective WINS field. |

2.3.2 Proposed Process

| ID | Description |
|------|---|
| PP01 | Add rule/edits enforces that are compatible with their respective WINS fields to the user input fields outlined in these requirements so that they are compatible with their respective WINS field. |

2.4 Business Requirements

| ID | Business Requirements | Reference |
|------------|--|-------------------|
| Category 1 | User Interface | |
| BR101 | "Reinsurance Program" shall be consistent between the "Miscellaneous | GAP-002 |
| | Policywriting Information" and "Facultative Reinsurance: Slip" screens. | FR0101, FR0102 |
| | | SPRINT 42 |
| BR102 | "Ceding Commission Percent" shall be required on the "Facultative Reinsurance: | GAP-004, |
| | Slip" screen. | FR0103 |
| | | SPRINT 42 |
| BR103 | On the "Facultative Reinsurance: Slip" screen "Limit" shall always be greater than | GAP-005 |
| | "Losses Excess Of". | FR0104 |
| | | SPRINT 42 |
| BR104 | "Limit" on the "Facultative Reinsurance: Slip" screen shall not be greater than the | GAP-006 |
| | "General Aggregate Limit" on the GL Policy Information screen. | FR0105 |
| | | SPRINT 42 |
| BR105 | On the "Facultative Reinsurance: Slip" screen "Incurred from" and "Incurred to" | GAP-012 |
| | shall be prefilled as follows: Incurred from = Policy inception date | |
| | Incurred to = Policy expiration date – 1 day. | SPRINT 42 |
| | User shall be able to change these values. If a value in either field is changed, the system shall validate, that the new dates does not fall outside of the range between inception and expiration – 1 date. This validation shall be done when a user leaves either one of these fields. Also, "Incurred from" date cannot be after "Incurred to". | |

| ID | Business Requirements | Reference |
|---|---|---------------------|
| | | |
| On the "Product" tab of 'Facultative Reinsurance" screen, PDE shall add syste control over the selection of "Product", "ASLOB" and "Subline" to ensure that | | GAP-001 FR0108 |
| | the user has selected the right combination acceptable by WINS. This will replace manual entry of this data which is prone to errors. | SPRINT 43 |
| BR107 | "Product" and "ASLOB" shall be mandatory input on the "Facultative | GAP-007 |
| | Reinsurance: Product" screen. | FR0109 |
| | | SPRINT 43 |
| BR108 | "Subline" value on the "Facultative Reinsurance: Product" screen shall be derived based on "Product"/ "ASLOB" combination. | GAP-008, BR 106. |
| | | FR0110 |
| | | SPRINT 43 |
| BR109 | "Reinsurer" on the "Facultative Reinsurance: Reinsurer" screen shall be a | GAP-009 |
| | dropdown list. | FR0111 |
| | | TBD |
| BR110 | Table of approved Reinsurers shall be available to maintain in Utilities. | GAP-009 |
| Option: just like Producers table. | | FR0111 |
| | | TBD |
| BR111 | User shall be able to reinsure more than 1 location/building by adding another | GAP-014 |
| | product with the same ASLOB. | FR0112 |
| | | TBD |
| BR112 | "Ceding Premium Amount" on the "Facultative Reinsurance: Slip" screen shall | GAP-011 |
| | not exceed "Policy Total" (Written Premium). | FR0113 |
| | | SPRINT 43 |
| Category 2 | Pass 2 | |
| BR201 | "FAC slip description" from the "Facultative Reinsurance: Slip" screen should | GAP-015 |
| | be passed to "FAC Slip" field in WINS in lieu of "Reinsurance Program Code". | TBD |

2.5 Functional Requirements

2.5.1 General Information

| | Topic/Requirement | |
|-----------|--|--|
| Writing C | ompanies | |
| FR0001 | All | |
| States | | |
| FR0002 | All | |
| Line of B | usiness | |
| FR0003 | All | |
| Effective | Date | |
| FR0004 | 10/01/2021 | |
| User Type | es – Agents/Brokers, Insureds/Consumers, Internal Users Only | |
| FR0005 | N/A | |
| _ | Organizational Structure – Are there any specific requirements to implement this change for a particular program, business unit, regional office or other customer-specific organizational structure? | |
| FR0006 | N/A | |
| Product/A | Area of Impact – Policy, Billing, Claims, Reporting Decisions, DataHouse | |
| FR0007 | PDE | |

2.5.2 User Interface Changes

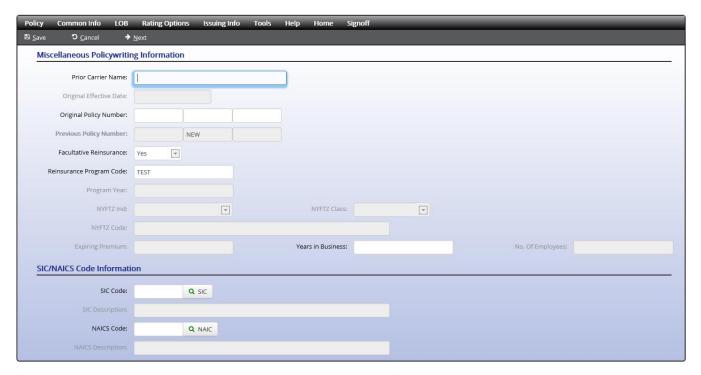


Exhibit 1



Exhibit 2

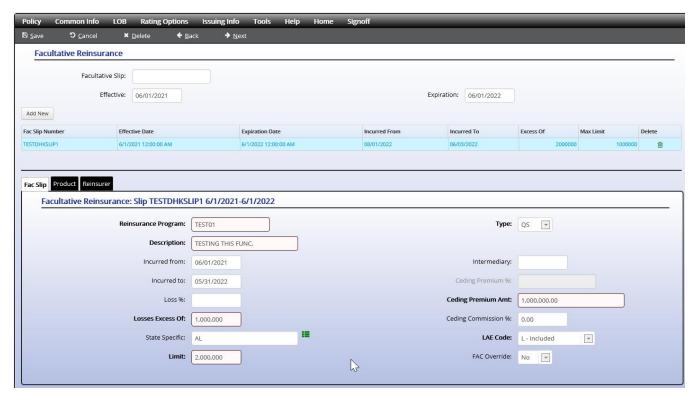


Exhibit 3

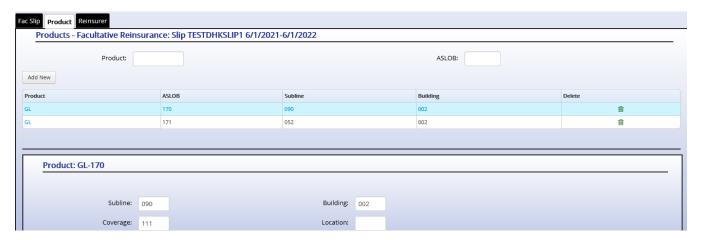


Exhibit 4



Exhibit 5

| FR0101 | Screen | Miscellaneous Policywriting Information (See exhibit 1) | | |
|--------|--|---|-----------------|--|
| | Field Name | Reinsurance Program Code | | |
| | Database Field (Internal)3ed4r | CoAJInfo.ReinPrgCd. (To be completed by Dev) | | |
| | Tool Tip/Hover Help | No Change | | |
| | Enabled / Required (Y/N) | Enabled and required if Fac Rei | nsurance = Yes. | |
| | Values | Display | Data (Internal) | |
| | | See description. | | |
| | Description: (GAP-002) This field will be changed from always optional and blank TO enabled and required if Fac Reinsurance << CoPolicy.FacReinsuranceInd >> = Yes. | | | |
| FR0102 | Screen | Facultative Reinsurance: Slip (See exhibit 3) | | |
| | Field Name | Change from "Reinsurance Program" to "Reinsurance Program Code" | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.FacReinsProgDesc | | |
| | Tool Tip/Hover Help | No change. | | |
| | Enabled / Required (Y/N) | See description | | |
| | Values | Display | Data (Internal) | |
| | | See description | | |
| | Description: (GAP-002) | | | |

| | The value for this field should prefill from data entered by user in the "Reinsurance Program Code" field on the "Miscellaneous Policywriting Information" screen. Field should remain optional and disabled, should display the prefilled value. | | | | |
|--------|---|--|---|--|--|
| | · · | every instance of Reinsurance Pro acReinsProgDesc>> when the us | ogram Code er adds multiple FAC Slips on the | | |
| FR0103 | Screen | Facultative Reinsurance: Slip (S | ee exhibit 3) | | |
| | Field Name | Ceding Commission Percent | | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.CedingC | CommPct | | |
| | Tool Tip/Hover Help | No change. | No change. | | |
| | Enabled / Required (Y/N) | Enabled and required. | | | |
| | Values | Display | Data (Internal) | | |
| | | No change. | | | |
| | Description: (GAP-004) Change field from optional to required. | | | | |
| FR0104 | Screen | Facultative Reinsurance: Slip (See exhibit 3) | | | |
| | Field Name | Limit, Losses Excess Of | | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.FacLmt, CoFacReinsuranceInfo.LossExcessAmt | | | |
| | Tool Tip/Hover Help | No change | | | |
| | Enabled / Required (Y/N) | No change | | | |
| | Values | Display | Data (Internal) | | |
| | | No change | | | |
| | Description: (GAP-005) | | | | |
| | | eInfo.FacLmt>> should always be sExcessAmt>>. Add standard cros | e greater than "Losses Excess Of" << ss field UI edit. | | |

| FR0105 | Screen | Facultative Reinsurance: Slip (See exhibit 3) | | |
|--------|--|---|--|--|
| | Field Name | General Aggregate Limit | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.FacLmt, | | |
| | | GIPolInput.GeneralAggLmt | | |
| | Tool Tip/Hover Help | No change | | |
| | Enabled / Required (Y/N) | No change | , | |
| | Values | Display | Data (Internal) | |
| | | No change | | |
| | | | | |
| | Description: (GAP-006) "Limit" << CoFacReinsuranceInfo.FacLmt >> on the Facultative Reinsurance: Slip screen cannot be greater than the "General Aggregate Limit" << GIPolInput.GeneralAggLmt >> on the GL Policy Information screen. Please note it can be equal to. Add standard cross field UI edit. | | | |
| FR0106 | Screen | Facultative Reinsurance: Slip (S | ee exhibit 3) | |
| | Field Name | Incurred from | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.IncurredFromDt | | |
| | Tool Tip/Hover Help | No chance | | |
| | Enabled / Required (Y/N) | No chance | | |
| | Values | Display | Data (Internal) | |
| | | See description | | |
| | | | | |
| | Description: (GAP-012) | | | |
| | Prefill "Incurred from" < <cofacreinsuranceinfo.incurredfromdt>> with "Policy effective date" << a href="DynamicStore2.DynEffectiveDt????">DynamicStore2.DynEffectiveDt????>>>. Allow user to change, value should not fall outside of the range between inception and (expiration –</cofacreinsuranceinfo.incurredfromdt> | | | |
| | = | t be done when a user leaves eith | ner one of these fields. Also, "Incurred | |

| FR0107 | Screen | Facultative Reinsurance: Slip (See exhibit 3) | | |
|--------|--|---|------------------------------------|--|
| | Field Name | Incurred to | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.IncurredToDt | | |
| | Tool Tip/Hover Help | No change | | |
| | Enabled / Required (Y/N) | No change | | |
| | Values | Display | Data (Internal) | |
| | | See description | | |
| | | | | |
| | Description: (GAP-012) | | | |
| | | | Ot>> with "Policy expiration date" | |
| | << DynamicStore2.DynExpir | | | |
| | Allow user to change, value should not fall outside of the range between inception and (expiration – 1 date). This validation be done when a user leaves either one of these fields. Also, "Incurred from" date cannot be after "Incurred to". | | | |
| FR0108 | Screen | Facultative Reinsurance: Produc | ct (See exhibit 4) | |
| | Field Name | Product | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.FacReinsProgDesc, | | |
| | | CoFacReinsuranceInfo.FacRein | sDesc | |
| | | < <dynamicstore.productcd>></dynamicstore.productcd> | | |
| | Tool Tip/Hover Help | No change | | |
| | Enabled / Required (Y/N) | Enabled and required | | |
| | Values | Display | Data (Internal) | |
| | | | | |
| | | See spreadsheet in description. | | |
| | | · | | |
| | Description: (GAP-001) | · | | |

combination acceptable by WINS. This will replace manual entry of this data which is prone to errors. Х≡ Product-ASLOB_Subli ne.xlsx The drop-down for "Product" should display "Product" + "Product Code Description" but should only save "Product" to the database. Example: **₮** Product Code Description COMMERCIAL PACKAGE POLICY Display Data CMP - COMMERCIAL PACKAGE Corresponding expected WINS code POLICY to be saved in DB - to be passed via Pass 2 to WINS. Continue doing what the field currently does with respect to saving to DB. FR0109 Screen Facultative Reinsurance (See exhibit 4) **Field Name ASLOB Database Field** (Internal) Internal use during development. (To be completed by Dev) DynamicStore.ASLOBCd **Tool Tip/Hover Help** No change Enabled / Required (Y/N) Enabled and required **Values Display** Data (Internal) See spreadsheet in description. **Description:** (GAP-001) On the "Product" tab of 'Facultative Reinsurance" screen, PDE should add system control over the selection of "ASLOB" to ensure that the user has selected the right combination acceptable by WINS. This will replace manual entry of this data which is prone to errors.

"ASLOB" shall be mandatory input on the "Facultative Reinsurance: Product" screen. The drop-down for "Product" should display "Product" + "Product Code Description" but should only save "Product" to the database. Example: **₹** ASLOB Code Description CMP NON-LIABILITY 051 CMP NON-LIABILITY 051 CMP NON-LIABILITY 051 PHYSICAL DAMAGE COMM'L AUTO 051 PHYSICAL DAMAGE COMM'L AUTO Display Data 051 - CMP NON-LIABILITY Corresponding expected WINS code to be saved in DB - to be passed via Pass 2 to WINS. Continue doing what the field currently does with respect to saving to DB. FR0110 Screen Facultative Reinsurance: Product **Field Name** Subline Database Field (Internal) CoFacReinsuranceCovgInfo.SublineCd. (To be completed by Dev) **Tool Tip/Hover Help** No change Enabled / Required (Y/N) **Values** Display Data (Internal) **Description:** (GAP-008) On the "Product" tab of 'Facultative Reinsurance" screen, PDE should add system control over the selection of "Subline" to ensure that the user has selected the right combination acceptable by WINS. This will replace manual entry of this data which is prone to errors. "Subline" value on the "Facultative Reinsurance: Product" screen shall be derived based on "Product"/"ASLOB" combination. The drop-down for "Product" should display "Product" + "Product Code Description" but should only save "Product" to the database. Example:

| | E F Subline Subline Description 970 BOILER & MACHINERY 336 PRODUCTS/COMPLETED OPE 618 AUTO PHYSICAL DAMAGE 618 COMM'L AUTO PHYSICAL DA 638 ASSIGN RISK PHYSICAL DAMA | MAGE | | | |
|--------|--|--|--|---|------------------|
| | Display 970 - BOILER & MACHINE | ERY | Data Corresponding expeto be saved in DB – Pass 2 to WINS. Conthe field currently does saving to DB. | to be passed via ntinue doing what | |
| FR0111 | Screen | Facultative | Reinsurance: Reinsu | rer | |
| | Field Name | Reinsurer | | | |
| | Database Field (Internal) | DynamicStore.FacReinsurerCd. (To be completed by Dev) | | by Dev) | |
| | Tool Tip/Hover Help | No change | | | |
| | Enabled / Required (Y/N) | | | | |
| | Values | | | Data (Internal) | |
| | Description: (GAP-009) | | | | |
| | "Reinsurer" on the "Facultation of the "Facultation of the "Underwriter/Operator Information of the Informat | "type in" : mation" scre und by Nam rs shall be a | functionality as on een OR "Producer" lo ee or Reinsurer Code t | the "Underwrite ok up on the "Col or both options) | er" field on the |
| FR0112 | Options: (follow same "Underwriter/Operator Informations Screen. Reinsurer can be formation and the screen approved Reinsure Option: just like Producers to | "type in" : mation" scre und by Nam rs shall be a able. | functionality as on een OR "Producer" lo ee or Reinsurer Code t | the "Underwrite ok up on the "Con for both options) Utilities. | er" field on the |
| FR0112 | Options: (follow same "Underwriter/Operator Informations Screen. Reinsurer can be formation Table of approved Reinsure Option: just like Producers to Reinsurer.xlsx | "type in" : mation" scre und by Nam rs shall be a able. | functionality as one en OR "Producer" lone or Reinsurer Code to maintain in example Reinsurance: Produce | the "Underwrite ok up on the "Con for both options) Utilities. | er" field on the |

| | | DynamicStore.ASLOBCd | | |
|--------|---|--|---|--|
| | Tool Tip/Hover Help | | | |
| | Enabled / Required (Y/N) | | | |
| | Values | Display | Data (Internal) | |
| | | | | |
| | | | | |
| | Description: (GAP-014) | | | |
| | User shall be able to reinsur ASLOB. | e more than 1 location/building by | adding another product with the same | |
| FR0113 | Screen | Facultative Reinsurance: Slip (See exhibit 3) | | |
| | Field Name | Ceding Premium Amount | | |
| | Database Field (Internal) | CoFacReinsuranceInfo.CedingPremAmt ((Dev to confirm)) | | |
| | Tool Tip/Hover Help | No change | | |
| | Enabled / Required (Y/N) | No change | | |
| | Values | Display | Data (Internal) | |
| | | N/A | | |
| | | | | |
| | Description: (GAP-011) | | | |
| | "Ceding Premium Amount" << CoFacReinsuranceInfo.CedingPremAmt >> cannot be greater than "Policy Total" (Written Premium). | | | |
| | If the policy is rated and if the user tries to enter a value greater than the Policy Total (Written Premium), then display UI edit message: "Ceding Premium Amount" cannot be greater than Policy Total (Written Premium). | | | |
| | · · · | if the user tries to enter a value in plicy must be rated before entering | n Ceding Premium Amount field, then Ceding Premium Amount". | |

2.5.3 Rate Tables

Not Applicable

2.5.4 Rating Formulas

| | Rating Formulas |
|--------|-----------------|
| FR0301 | Not Applicable |
| FR0302 | |

2.5.5 Worksheets

| | Worksheet Changes |
|--------|-------------------|
| FR0401 | Not Applicable |
| FR0402 | |

2.5.6 Forms (if no separate Forms Requirements Document)

| | Forms Changes |
|--------|----------------|
| FR0501 | Not Applicable |
| FR0502 | |

2.5.7 Change Narratives

| | Change Narrative |
|--------|------------------|
| FR0601 | Not Applicable |
| FR0602 | |

2.5.8 Underwriting

| | Underwriting Rule Change |
|--------|--------------------------|
| FR0701 | Not Applicable |
| FR0702 | |

2.5.9 Interfaces

2.5.10 Impact to Existing Policies

Will this modification use an SRV? Probably – because we are changing few fields from optional to required. TBD by Dev team.

If an SRV will not be used, what is the impact to Existing Policies?

If an SRV will not be used, what is the impact to Existing Quotes?

2.5.11 Impact to Other Systems

Does information identified in this requirement need to be passed to Billing Decisions? No

Does information identified in this requirement need to be passed to Claims Decisions? No

Does information identified in this requirement need to be passed to ACORD / DataHouse? No

2.5.12 Other Requirements

| | Requirement |
|--------|-------------|
| FR0901 | |
| FR0902 | |

2.6 Testing Requirements

The Testing Requirements section lists the test cases this document contains. It also provides a summary of those test cases by describing them as a set of activities specific to a business scenario. These use cases will be very specific to your enhancement.

Please provide scenarios for testing in the table below.

| Scenario | Description | Expected Result | Requirement Reference |
|----------|-------------|-----------------|--------------------------|
| TS100 | | | |
| TS101 | | | |
| TS102 | | | |
| TS103 | | | |
| TS104 | | | |
| TS105 | | | |

2.7 Technical Considerations (Internal use during development)

- 2.7.1 Configuration
- 2.7.2 Reference Table Updates
- 2.7.3 Database Fields
- 2.7.4 Stored Procedures
- 2.7.5 Pre and Post Rating Validation
- 2.7.6 Exceptions to Standards Document
- 2.7.7 Rating Formulas

Calculation Information

| Step | Rating Logic | Comments |
|------|--------------|----------|
| | | |
| | | |

3 Sign-Off

Insurity

The information contained within this document accurately reflects the requirements for the requested functionality and adhere to the requirements needs for the represented functional domains. These requirements formulate the baseline against which change is managed.

Signature of Reviewer

Date

Name/Position

Customer

The information contained within this document accurately reflects the business requirements for the requested functionality.

Signature of Reviewer

Date

Name/Position