



**ISLE OF MAN
FINANCIAL SERVICES AUTHORITY**

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INSTRUCTIONS FOR COMPLETING THE 1 in 200 HELPER SHEETS AND TEMPLATE

**IN RESPECT OF THE QIS5 TECHNICAL
SPECIFICATION FOR NON-LIFE INSURERS**

1. Introduction

- 1.1.1. These are the instructions for using the Microsoft Excel helper sheets and templates that relate to the technical specification for our Quantitative Impact Study (QIS5) for '1 in 200' non-life insurers.
- 1.1.2. Insurers should follow these instructions to help them determine their solvency capital requirement and solvency coverage ratio under the proposed QIS5 '1 in 200' risk based capital and solvency regime using the QIS5_NL_1in200 excel template provided.
- 1.1.3. Where necessary insurers may use the helper tabs provided to aid them in their calculation of the interest rate risk, concentration risk and counterparty default risk capital charges.
- 1.1.4. The instructions are based on the technical specification TS18-03(200), and this should be referred to if more detail or examples are required to aid understanding.
- 1.1.5. **In all cases, the results produced by the results template and helper tabs should be checked and understood by the insurer.**

2. Formatting

2.1. Key

- 2.1.1. The cells and tabs in the helper workbooks and results template follow the same colour coding key:

Input Cell
Formula Cell
Input into/from another workbook

- 2.1.2. The sections in this document follow the same principle; yellow sections require inputs and blue sections are for information only.
- 2.1.3. Paragraphs highlighted in green correspond to the input into the results template from the helper workbooks. Copy the data across carefully.

2.2. Index Tabs

- 2.2.1. In each template there is an index tab which provides a brief summary of the workbook.
- 2.2.2. No input is required for this tab.

3. Workbooks to be completed

- 3.1.1. The following workbooks should be completed and returned to the IOMFSA as part of the QIS5 non-life submission:

- QIS5_NL_1in200 (If using a premium volume measure net of commission two versions of this should be submitted, one net and one gross of commission)
- QIS5_Interest_Rate_Risk_Helper
- QIS5_Counterparty_Default_Risk_Helper_1in200
- QIS5_Concentration_Risk_Helper_1in200
- QIS5_RFF_Consolidation_Template (if insurer has ring-fenced funds)
- Credit Spread Risk helper Workbook_1in200 (if used)

4. Interest Rate Helper 'Interest_Rate_Risk_Helper'

Aids the insurer in its calculation of the interest rate risk capital requirement. The sheet estimates the impact on Best Estimate Provisions (BEP) and asset values under the directional interest rate risk shock scenarios, i.e. interest rates upwards and downwards under a 1 in 10 year and a 1 in 200 year scenario. For the purpose of this document only the 1 in 200 year confidence level is relevant.

4.1. Capital

- 4.1.1. Summarises results from all the individual lines of business affected by each of the interest rate risk upwards and downwards scenarios for a 1 in 10 year, and a 1 in 200 year shock.
- 4.1.2. No input is required for this tab.
- 4.1.3. All other tabs need to be completed before using the output from this tab.
- 4.1.4. Copy the base values of assets and technical provisions in cells F77 and H77 into the corresponding cells D7 and F7 of the 'Market Risk Inputs' tab of the QIS5_NL_200 template.
- 4.1.5. Copy the stressed values of assets and technical provisions in cells F79:H81 into the corresponding stress in cells D11:F12 of the 'Market Risk Inputs' tab of the QIS5_NL_200 template.

4.2. Initial Input

- 4.2.1. Input the reporting currency used by the participating insurer in cell D5.
- 4.2.2. The grid reflects the lines of business and assets that will be affected by interest rate shocks. Rows 11 to 65 represent the lines of business, row 67 represents the assets and the columns B to BR represent the relevant currencies for the liabilities and assets.
- 4.2.3. Select 'Y' in the cells in the grid that are applicable. For example, if you have a liability exposure in line of business 2 in currencies GBP, EUR and USD only, then cells D13, F13 and AB13 should be set to "Y" and the remaining cells in row 13 should remain as "N".
- 4.2.4. If you have selected "Y" for a currency, select "Y" in the asset row 67.

- 4.2.5. Run the macro by clicking on the yellow box at the bottom of the page (rows 70 to 72). Rerun the macro whenever a change has been made thereafter.
- 4.2.6. The macro will create the necessary “Input – LoB X” and “LoB X” sheets for each line of business you are exposed to.

4.3. Input – LoB X

- 4.3.1. The macro above will create up to 28 ‘Input - LoB_X’ tabs, one for each line of business selected in the ‘Initial Input’ tab. Each tab will need completing separately for that line of business.
- 4.3.2. Populate all applicable cells for currency Z in line of business X.
- 4.3.3. For ‘Technical provisions’ in row 10 enter the sum of the undiscounted liability cash flows (excluding the risk margin) for each applicable currency.
Note: the value entered should be in the currency to which the column relates.
 For example, if the participant is exposed to line of business 2 in currencies GBP, EUR and USD only, cells D10, H10 and AB10 of “Input – LoB 2” should be populated with separate undiscounted liability totals in £ amounts, € amounts and \$ amounts respectively.
- 4.3.4. For ‘Term structure’ in rows 14 to 63 enter the run off of the undiscounted cash flows over time by allocate a proportion (%) of the cash flow applicable to each year.
 For example, if the participants total undiscounted liability cash flow in GBP is expected to occur equally throughout the first 5 years, then the input required would be 20% in each of the cells D14, D15, D16, D17 and D18.

4.4. LoB X

- 4.4.1. Uses the input from the “Input – LoB X” tab to produce a term structure of cash flows along with discounted present values and capital requirements for each applicable currency.
- 4.4.2. No input is required in this tab.

4.5. Input – Assets

- 4.5.1. This tabs collates the asset data required to calculate the capital charge for a particular line of business.
- 4.5.2. Populate all applicable cells for currency Z.
- 4.5.3. For ‘Assets’ in row 10 enter the sum of the undiscounted asset cash flows for each applicable currency. **Note: the value entered should be in the currency to which the column relates.**
 For example, if the participant’s assets are denominated in currencies GBP, EUR and USD only, cells D10, H10 and AB10 of “Input – Assets” should be populated with separate undiscounted asset totals in £ amounts, € amounts and \$ amounts respectively.

- 4.5.4. For 'Term structure' in rows 14 to 63 enter the run off of the undiscounted cash flows over time by allocate a proportion (%) of the cash flow applicable to each year.

For example, if the participants total undiscounted asset cash flow in GBP is expected to occur equally throughout the first 5 years, then the input required would be 20% in each of the cells D14, D15, D16, D17 and D18.

4.6. Assets

- 4.6.1. Uses the input from the "Input – Assets" tab to produce a term structure of asset cash flows along with discounted present values and capital requirements for each applicable currency.
- 4.6.2. No input is required in this tab.

4.7. Factors

- 4.7.1. Calculation of the discount factors to be applied under the nine different scenarios for every currency. These are based on the yield curves provided by the European Insurance and Occupational Pensions Authority (EIOPA) as at 31st December 2017.
- 4.7.2. No input is required in this tab.

4.8. Stress

- 4.8.1. Lists the stress values defined in paragraph 2.5.5.8 of TS18-03(200) for the interest rate risk upwards and downwards shocks for the 1 in 10 year, and 1 in 200 year scenarios.
- 4.8.2. No input is required in this tab.

5. Counterparty default risk helper workbook 1 in 200 year

QIS5_NL_Counterparty_Default_Risk_Helper_1in200

Aids the insurer in their calculation of the counterparty default risk capital requirement for '1 in 200' insurers.

5.1. Input Counterparties

- 5.1.1. Lists all type 1 counterparties and confirms whether or not the simplified risk mitigation approach is used.
- 5.1.2. In cell E5 select "Yes" if you are using the simplified risk mitigation approach described in TS 2.6.8. You will need to seek approval from the FSA before using the simplified approach.
- 5.1.3. Insert the names of the type 1 counterparties in cells C15:C54.
- 5.1.4. Select "Yes" in in column E for each row in which you have entered a counterparty.

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- 5.1.5. Run the macro by clicking on the button in cell K14.
 - 5.1.6. For each counterparty entered the macro will generate a “Type 1 Single CP_x” tab and a “RM-Single CP_x” tab.
 - 5.1.7. The macro can generate up to a maximum of 40 pairs of these worksheets depending on the number of counterparties input in the cell range C15:E54. Contact the FSA if you require more counterparty inputs.

5.2. Type 1 Exposures

- 5.2.1. Calculates the loss-given-default for all Type 1 exposures under the counterparty default risk shock scenario.
- 5.2.2. For each counterparty enter its Credit Quality Step. See the “Mapping” tab or TS Appendix 2 for mapping of credit ratings from Standard & Poor’s, Fitch, Moody’s and AM Best rating agencies to the credit quality steps. See TS 2.6.3.5.
- 5.2.3. Where the exposure is to a loan to a company within the same corporate group as the insurer, and the only rating available isn’t in the public domain, contact the IOMFSA for approval to use that rating;
- 5.2.4. Where the exposure is to a loan to a company within the same corporate group as the insurer and that company is acting as the treasury function, or similar, for the group, and that company is unrated but the parent of the group is rated, contact the IOMFSA for approval to use the rating of the parent as the rating of the counterparty;
- 5.2.5. Where the counterparty is an insurer or reinsurer who is unrated but is supervised by an approved jurisdiction, select the option that corresponds to the solvency ratio of that counterparty under the risk-based capital and solvency regime of their jurisdiction. See TS 2.6.3.7.
- 5.2.6. Where the counterparty is an Isle of Man incorporated bank that is unrated, select ‘IOM Bank’. See TS 2.6.3.9.

5.3. Type 1 Single CP_x

- 5.3.1. Calculates the loss-given-default for all Type 1 exposures under the counterparty default risk shock scenario, for that specific counterparty.
- 5.3.2. For ‘Contract reference’ enter the name of specific counterparty contract, or group of contracts of similar characteristics that counterparty.
- 5.3.3. For ‘exposure type’ select the category of the counterparty exposure from the dropdown list. For loans to other group companies select ‘Other’ not ‘Loans’. This will automatically turn the cells you need to complete for each type yellow, ready for you to provide the input as follows:
- 5.3.4. Reinsurance/securitisation selected:

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- For 'Recoverable' enter the best estimate of recoverables from the Type 1 exposure, plus any other debtors arising out of the exposure, defined in TS 2.6.4.3.
 - For 'RM & >60% tied up?' enter "Y" if the exposure is to a reinsurance/securitisation contract and if the counterparty has tied up an amount for collateralisation commitments (both on and off balance sheet) greater than 60% of the assets on its balance sheet, otherwise select "N". See paragraph TS 2.6.4.4.
 - 'RM Effect' will automatically update from the RM-Single CP10_X tab or alternatively, if using the simplified approach, the result from the simplified RM tab.
 - For 'Collateral Market Value' enter the risk adjusted value of collateral in relation to the exposure, otherwise set to zero. See paragraph TS 2.6.4.3.
 - For 'Collateral accounted for?' select "Y" when, in the case of insolvency of the counterparty, the determination of the participant's insolvency estate in excess of the collateral takes into account that the participant receives collateral, and "N" otherwise. See paragraphs TS 2.6.4.3 to 2.6.4.5.

5.3.5. Derivative selected:

- For 'Market Value' enter the market value of the contract or group of contracts.
- For 'RM Effect' will automatically update from the RM-Single CP_X tab or alternatively, if using the simplified approach, the result from the simplified RM tab.
- For 'Collateral Market Value' enter the risk adjusted value of collateral in relation to the exposure, otherwise set to zero. See paragraph TS 2.6.4.3.
- For 'Collateral accounted for?' select "Y" when, in the case of insolvency of the counterparty, the determination of the participant's insolvency estate in excess of the collateral takes into account that the participant receives collateral, and "N" otherwise. See paragraphs TS 2.6.4.3 to 2.6.4.5.

5.3.6. Mortgage loan selected:

- For 'Loan', if the exposure is to a mortgage loan, enter the value of the mortgage loan. See paragraph TS 2.6.4.6 for how to calculate this amount. As a reminder group loans should be allocated to 'other' not 'loan'.
- For 'Mortgage', if the exposure is to a mortgage loan, enter the risk-adjusted value of the mortgage in relation to that particular exposure. See paragraphs TS 2.6.4.7 to TS 2.6.4.10.

5.3.7. Other selected:

- For 'LGD (column W)' input the loss given default for exposures from contracts other than reinsurance, securitisation, derivatives and mortgage loans, as set out in TS 2.6.5. This should include Group loans.

5.4. RM - Single CP_x

- 5.4.1. Calculates the counterparty's risk mitigation impact for each confidence level as described in TS 2.6.4.3.
- 5.4.2. The tab will need to be populated unless the FSA has agreed the use of the 'Simplified RM' tab.
- 5.4.3. For ' $NL_{cat}^{hyp} - NL_{cat}^{without}$ ' input the reinsurance counterparty's share of the catastrophe losses for each line of business in E22:E37. The sum of these shares for all counterparties should be consistent with the corresponding risk mitigation impacts in column S of the respective "Catastrophe Risk" and "Health_Catastrophe Risk" worksheets in 8 below.
- 5.4.4. For ' $p^{hyp} - p^{without}$ ' input the value of reinsurance premium paid to counterparty exposure for each line of business in G22:G37.
- 5.4.5. Recoverables – input the value of recoverables from counterparty exposure for each line of business in I22:I37.

5.5. RM - CP Totals

- 5.5.1. Calculates the total risk mitigation impact from all the "RM – Single CP_x" worksheets.
- 5.5.2. No input is required on this tab.

5.6. Simplified RM

- 5.6.1. Calculates the total risk mitigation impact based on the simplified approach described in TS 2.6.8. As mentioned previously the participant will require FSA's approval to use the simplified approach.
- 5.6.2. The risk mitigation for each counterparty will automatically feed into the corresponding "Type 1 Single CP_x".
- 5.6.3. Input the hypothetical capital requirement at the selected confidence level for the underwriting risk of insurer assuming there are no reinsurance arrangements or securitisations (risk mitigating contracts) in place in cell K9.
- 5.6.4. Input the capital requirements at the selected confidence level for the underwriting risk of each counterparty allowing for risk mitigation in cell K11.
- 5.6.5. Input the recoverables from each counterparty in column E.

5.7. Capital Requirement

- 5.7.1. Calculates the overall capital requirement at the selected confidence level for counterparty default risk.
- 5.7.2. Type 1 SCR will be automatically calculated.

- 5.7.3. Enter the total Type 2 exposures to receivables from intermediaries that have been due for more than 3 months in 'LGD_{receivables from intermediaries > 3 months}'. See TS 2.6.6.1.
- 5.7.4. Enter the remaining type 2 exposures, other than to receivables from intermediaries that have been due for more than 3 months, in: 'LGD_{otherType2receivables}'. This should include all policyholder debtors that are overdue, and receivables from intermediaries that are overdue but by less than 3 months. See TS 2.6.6.1.
- 5.7.5. Copy the results in the SCR_{default, 1} cell (E46) to cell D19 of the Counterparty Default risk tab in the QIS5_NL_1in200 template.
- 5.7.6. Copy the results in the SCR_{default, 2} cell (E47) to cell D20 of the Counterparty Default risk tab in the QIS5_NL_1in200 template.

5.8. Mapping

- 5.8.1. Contains data for the Credit Quality Step Mapping i.e. the conversion from CQS to credit ratings allocated by agencies Standard & Poor's, Fitch, Moody's and AM Best.
- 5.8.2. No input is required on this tab.

5.9. Data

- 5.9.1. Provides a brief description of the types of contacts that will be categorised as Type 1 or Type 2 counterparty default exposures to the participating (re)insurer.
- 5.9.2. No input is required on this tab.

6. Concentration risk helper tab '1 in 200'

QIS5_Concentration_Risk_Helper_1in200

Aids the insurer, if necessary, in their calculation of the capital requirement arising from concentration risk. Concentration risk will arise when the participant's exposure to an asset exceeds the maximum threshold specified by the FSA, a capital charge will be applied to the exposure exceeding the maximum threshold.

6.1. Concentration_Risk

- 6.1.1. Calculates the capital requirement arising from exposure to default when the value of your assets exceeds the exposure threshold specified by the FSA, also known as the excess exposure.
- 6.1.2. For 'Total Assets' (cell G5) input the total value of assets that will be considered for concentration risk as described in TS 2.5.10.
- 6.1.3. For 'Name of the counterparty / group' enter the counterparty that gives insurer exposure to concentration market risk as per TS 2.5.10.

- 6.1.4. For 'Type of exposure' select the type of exposure to concentration market risk from the drop down list. This will automatically turn the input cells for that category yellow.
- 6.1.5. For 'CQS' select the credit quality step applicable to type of exposure. Note the CQS will be "unrated" for unrated credit & financial institutions and unrated (re)insurers meeting requirements of TS 2.5.10.9.
- 6.1.6. For 'SCR Coverage' enter the Solvency Capital Requirement (SCR) coverage ratio. This only applies to unrated credit & financial institutions and unrated (re)insurers meeting requirements of TS 2.5.10.9.
- 6.1.7. For 'Value of Exposure' enter the total market value of exposure to single name or group counterparty.
- 6.1.8. [Copy cell G7 to cell D64 of the 'Market Risk Inputs' tab of the QIS5_NL_200 template.](#)

7. Credit Spread risk helper '1 in 200'

QIS5_NL_Spread_Risk_Helper_1in200

Aids the insurer in their calculation of the capital requirement arising from the credit spread risk arising from bonds, securitisation and derivatives. Credit spread risk will arise when the credit spreads of the participant's asset widen resulting in a fall in the value of the assets and basic own funds (BOF). The standard formula for the SCR applies a capital charge to the assets dependent on the credit rating and the confidence level applied.

7.1. Capital

- 7.1.1. Summarises credit spread capital requirement arising from bonds, securitisations and credit derivatives.
- 7.1.2. No input is required for this tab.
- 7.1.3. All other tabs need to be completed before using the output from this tab.
- 7.1.4. [Copy cell D18 to E14 of the "Credit Spread Risk" tab in the QIS5_NL_1in200 template.](#)

7.2. Bonds

- 7.2.1. Calculates the capital requirement at a 1 in 200 year confidence level arising from bonds' exposure to risks of widening of credit spreads.
- 7.2.2. For 'Asset Reference' input the unique identifier of each asset that will be considered for credit spread risk as described in TS 2.5.9.
- 7.2.3. For 'Market Value' input the market values for each asset in 7.2.2 considered for credit spread risk as described in TS 2.5.9.

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- 7.2.4. For 'CQS' select the credit quality step applicable each exposure. See "Data" sheet for mapping between credit quality steps and ratings.
 - 7.2.5. For 'Modified Duration' input modified duration in years for each asset considered for credit spread risk.
 - 7.2.6. For 'Exposure to a (re)insurer?' Select "Y" if the exposure is to an insurer or reinsurer and "N" otherwise. Cell will turn yellow once 'Y' selected.
 - 7.2.7. For 'Exposure is to a covered bond?' Select "Y" if the exposure is to a covered bond and "N" otherwise. Cell will turn yellow once 'Y' selected.
 - 7.2.8. For 'Exposure is to gilts listed in 2.5.9.25.?' Select "Y" if the exposure is to gilts (as defined in 2.5.9.25.) and "N" otherwise. Cell will turn yellow once 'Y' selected.

7.3. Securitisations

- 7.3.1. Calculates the capital requirement arising from the securitisations' exposure to credit spread risk.
- 7.3.2. For 'Asset Reference' input the unique identifier of each asset that will be considered for credit spread risk as described in TS 2.5.9.
- 7.3.3. For 'Market Value' input the market values for each asset in 7.3.2 considered for credit spread risk as described in TS 2.5.9.
- 7.3.4. For 'CQS' select the credit quality step applicable to each exposure. See "Data" sheet for mapping between credit quality steps and ratings.
- 7.3.5. For 'Modified Duration' input modified duration in years for each asset considered for credit spread risk.
- 7.3.6. For 'Type of Exposure' Select between "Type 1", "Type 2" and "Re-sec." (Re-securitisations). **Please note, if not populated, the exposure will be assumed to be a Type 2 exposure.**

7.4. Credit Derivatives

- 7.4.1. Calculates the capital requirement arising from the credit derivatives' exposure to credit spread risk.
- 7.4.2. Input the base value of assets and liabilities in cells D7 and F7, respectively.
- 7.4.3. Input the stressed assets and liabilities in cells D15:F16.

8. 1 in 200 results template 'QIS5_NL_1in200'

Aggregates the solvency capital requirements from risk modules and sub-modules that the insurer is exposed to so as to calculate the total solvency capital coverage for the insurer.

8.1. Participant Information

8.1.1. Complete the QIS5 information, Insurer information, Contact information and Comments sections as follows:

- Date of submission – Date when the QIS template is submitted to the FSA.
- Financial year end used – input 2017/18 financial year-end.
- Reporting currency – select from drop down box.
- Exchange rate – input exchange rate if reporting currency is not UK Pound, otherwise input “1”.
- Reporting unit used – select from drop down box.
- Insurer Name – input name of participating (re)insurer.
- Insurer short name – input short name of participating (re)insurer.
- Is business in run-off? – select from drop down box.
- Contact Name – input name of employee completing the template.
- Email Address – input email address of contact person.
- Phone Number – input telephone number of contact person.
- Comments – input any comments you may have on the template

8.2. EBS - Assets

- 8.2.1. Calculates the value of the assets in the economic balance sheet (EBS) used to determine the solvency capital coverage.
- 8.2.2. Input the value of assets on an accounting basis and on a regulatory (EBS) basis. The regulatory basis assets can be equal to accounting basis assets if this information is not available for unquoted assets.
- 8.2.3. For 'Fixed Assets' input asset values for fixed assets such as property and machinery. Goodwill is not an admissible asset under the regulatory basis and should be excluded.
- 8.2.4. For 'Investments' input the value of the assets split using the results of your look-through exercise (see TS 2.5.4), between equities, bonds, investment funds and derivative contracts used for hedging purposes.
- 8.2.5. For 'Mortgages and Loans' enter the value of any collateralised and uncollateralised loans.
- 8.2.6. For 'Reinsurance recoverables' enter the value of any recoverables from the reinsurer(s). This should include the reinsurer's(s') share of the premium and claims reserves.
- 8.2.7. For 'Other assets' enter any other assets that are not covered in the above asset classes.

8.3. EBS – Direct TPs

- 8.3.1. Calculates the value of the technical provisions in the economic balance sheet (EBS) used to determine the solvency capital coverage.
- 8.3.2. Only enter the technical provisions relating to directly written non-life underwriting and health business – lines of business (LOB's) 1 to 12 as described in TS 1.3.2.
- 8.3.3. Input the values on an accounting basis and on a regulatory (EBS) basis. If the insurer is using accounting provisions instead of the EBS (best estimate plus risk margin) technical provisions as per the technical specification (permitted provided the accounting provisions are not lower than the provisions on an EBS basis as described in TS 1.3.1.4) then the two columns will be identical.
- 8.3.4. If using the EBS basis to report regulatory provisions this will need to be updated for each confidence level to reflect the fact there will be a different risk margin for each confidence level as described in paragraph 1.3 of TS Appendix 1.
- 8.3.5. For 'Premium reserves' input reserves gross of reinsurance reserves for LOB's 1 to 12.
- 8.3.6. For 'Claims reserves' input reserves gross of reinsurance reserves for LOB's 1 to 12.
- 8.3.7. For 'Risk margin' input risk margin for LOB's 1 to 12 on a regulatory basis. Advice in relation to the risk margin is provided in the consultation paper and the appendices to the technical specification, insurers must make every effort to quantify an appropriate explicit risk margin.
- 8.3.8. For 'Reinsurance recoverables (on regulatory basis)' input best estimate of amounts recoverable from reinsurance contracts and SPVS in respect of claims outstanding for each LOB, provided that these meet the requirements of TS2.11.

8.4. EBS – Reins TPs

- 8.4.1. Calculates the value of the technical provisions for reinsurance accepted in the economic balance sheet (EBS) used to determine the solvency capital coverage.
- 8.4.2. LOB's 13 to 24 represent proportional reinsurance accepted for all non-life underwriting and health business as described in TS 1.3.2.
- 8.4.3. LOB's 25 to 28 represent non-proportional reinsurance accepted as described in TS 1.3.2.
- 8.4.4. Input the values on an accounting basis and on a regulatory (EBS) basis. If the insurer is using accounting provisions instead of the EBS (best estimate plus risk margin) technical provisions as per the technical specification (permitted provided the accounting provisions are not lower than the provisions on an EBS basis as described in TS 1.3.1.4) then the two columns will be identical.

- 8.4.5. For 'Premium reserves' input reserves gross of reinsurance reserves for LOB's 13 to 28.
- 8.4.6. For 'Claims reserves' input reserves gross of reinsurance reserves for LOB's 13 to 28.
- 8.4.7. For 'Risk margin' input risk margin for LOB's 13 to 28 on a regulatory basis. Advice in relation to the risk margin is provided in the consultation paper and the appendices to the technical specification, insurers must make every effort to quantify an appropriate explicit risk margin.
- 8.4.8. For 'Reinsurance recoverables (on regulatory basis)' input best estimate of amounts recoverable from reinsurance contracts and SPVS in respect of claims outstanding for each LOB, provided that these meet the requirements of TS2.11.

8.5. EBS – Other Liab

- 8.5.1. Calculates the value of other liabilities in the economic balance sheet (EBS) not included in the "EBS - Direct TPs" and "EBS - Reins TPs" worksheets.
- 8.5.2. Input the value on an accounting basis and on a regulatory (EBS) basis.
- 8.5.3. Input all the liabilities that fall into any of the categories listed.

8.6. EBS Capital

- 8.6.1. Calculates the value of the capital resources in the economic balance sheet.
- 8.6.2. Check that the total capital resources in cell D35 reconciles to the net assets calculated in the "EBS –Other Liab" worksheet (see the check in cell D40).
- 8.6.3. Input capital resources on an accounting basis only as the capital resources on a regulatory basis will feed through from the "Own Funds" worksheet.
- 8.6.4. Use the results of the check in column I as a check that the required data has been entered.

8.7. Own Funds

- 8.7.1. This primary aim of this worksheet is to calculate the following:
- Basic Own Funds
 - Adjustments to Basic Own Funds (BOF), and
 - Total eligible own funds to meet the SCR
- 8.7.2. The participant can also provide the value of ancillary own funds, where applicable, but this is purely for information.
- 8.7.3. Input the following:
- Ordinary Share Capital (net of own shares)
 - Initial Fund (less item of the same type held)
 - Share Premium Account
 - Retained earnings including profits from the year net of foreseeable dividends

- Other reserves from accounting balance sheet
 - Reconciliation reserve
 - Surplus funds
 - Expected profit in future premiums (EPIFP)
 - Preference shares
 - Subordinated liabilities
 - Subordinated mutual member accounts
 - Other items not specified elsewhere
- 8.7.4. Where adjustments are required to BOF for deductions and/or change of tier, enter the relevant values in the appropriate cells.
- 8.7.5. Input the following ancillary own funds:
- Unpaid share capital or initial fund that has not been paid up
 - Letters of credit and guarantees held in trust
 - Other items currently eligible to meet requirements under current solvency regime.

8.8. Market Risk Inputs

- 8.8.1. Calculates the interest rate risk SCR, currency risk SCR and concentration risk SCR.
- 8.8.2. For 'Interest Rate Risk' input the following from the 'Capital' sheet of the interest rate helper workbook (see section 4 above):
- **Base assets and liabilities: copy cells F77 and H77 from the helper workbook into cells D7 and F7 of this template.**
 - **Interest rate up stress: copy cells F79 and H79 from the helper tab to cells D11 and F11 in this template.**
 - **Interest rate down stress: copy cells F81 and H81 from the helper tab to cells D12 and F12 in this template.**
- 8.8.3. For 'currency risk SCR' you can choose to use the stress scenario specified in TS 2.5.8 or the simplified approach.
- 8.8.4. If using the stress scenario input the value of unstressed assets and liabilities exposed to currency risk split by currency group in cells D19:F33. Alternatively, if using the simplified approach input the value of the total unstressed assets and liabilities exposed to currency risk (i.e. in a currency other than the local currency) into cells D37 and F37.
- 8.8.5. For 'concentration risk SCR' input the concentration risk SCR from the Concentration Risk Helper tab (see Section 6 above). I.e. enter cell G7 from the helper tab into cell D46 of this template.

8.9. Credit Spread Risk

- 8.9.1. Calculates the capital requirement arising from the exposure to credit spread risks arising from bonds and loans except for gilts and uncollateralised loans made to group/related parties.
- 8.9.2. The participant can either use the full calculation specified in TS 2.5.9.15-2.6.9.43 or the simplified calculation specified in TS 2.5.9.44-2.5.9.45. For the former the participant will use the credit spread helper tab to calculate the SCR (see section 6 above).
- 8.9.3. **If you choose the full calculation method enter cell D18 from the 'Capital' sheet in the helper workbook into cell E14 of this template.**
- 8.9.4. If you choose the simplified calculation method:
- For 'Bonds and loans with credit ratings' enter the proportion of the total assets that fall into each CQS in column E and the duration of those assets in column I.
 - For 'Bonds and loans without credit ratings' input the proportion of the total assets that are unrated or don't have a CQS in column E and the duration of those assets in column I.

8.10. Counterparty Default Risk

- 8.10.1. Calculates the total capital requirement arising from the exposure to counterparty default risks. See TS 2.6 for more details.
- 8.10.2. Input the following from the Counterparty Default risk helper tab (see section 5 above):
- For ' $SCR_{\text{default}, 1}$ ' copy cell E46 from the helper tab into cell D19 of this template.
 - For ' $SCR_{\text{default}, 2}$ ' copy cell E47 from the helper tab into cell D20 of this template.

8.11. Premium and Reserve Risk

- 8.11.1. Calculates the premium and reserve volume measures that arise from all non-life underwriting lines of business.
- 8.11.2. Input the following in cell range G7:X18:
- ' P_s ' – input the premiums to be earned by the (re)insurer for each LOB, s , during the 12 months following the valuation date. Premiums should be net, with deduction of premiums for reinsurance & SPVs and commission.
 - ' $P_{(\text{last},s)}$ ' – input the premiums earned by the (re)insurer for each LOB, s , during the last 12 months preceding the valuation date. Premiums should be net, with deduction of premiums for reinsurance & SPVs and commission. However, if following TS 2.6.4.7 enter 0 instead.

- 'FP_(existing,s)' input the expected present value of premiums to be earned by the (re)insurer for each LOB, s, after the 12 months following the valuation date for existing contracts. Premiums should be net, with deduction of premiums for reinsurance & SPVs and commission.
- 'FP_(future,s)' enter the expected present value of net premiums to be earned for each LOB, s, for contracts where the initial recognition date falls in the 12 months following the valuation date (excluding premiums to be earned during the 12 months after the initial recognition date).
- 'Number of aggregate caps' enter the number of aggregate caps affecting the LOB's. This will create that number of input rows below row 22 of the worksheet for the corresponding LOB. The minimum that can be input is "0" and the maximum that can be input is "60". Contact the FSA if you need more caps.

8.11.3. For lines of business which have aggregate caps applying to current, future or historic tranches of business, each block of liabilities which is subject to an aggregate cap should be entered in the appropriate row below row 22, including the relevant volume measures and caps.

8.11.4. As well as the relevant premium volume measures, the following inputs will be required for each tranche subject to an aggregate cap:

- 'Max exposure from V_(prem)' input the maximum exposure (the aggregate cap) to claims from the premiums in column Q of the worksheet for the contract(s) to which this cap applies (will only apply to tranches for which there are non-zero premium measures).
- 'Claim reserve' enter the reserve (the relevant part of the total reserve in the in Q7:Q18 for that line of business) for the contract(s) to which this aggregate cap applies.
- 'Max exposure from in-force' enter the maximum amount of claims that could result from the contract(s) subject to this aggregate cap. This should be net of any claims which have already been paid.

8.11.5. Where necessary, aggregate caps should be split across lines of business on a best endeavours basis.

8.12. Div

8.12.1. Updates the impact of geographical diversification on the premium and reserve volume measures by LOB.

8.12.2. The following are the only LOB's that will benefit from geographical diversification:

- Motor Vehicle Liability & Proportional Reinsurance
- Other Motor & Proportional Reinsurance.
- Marine, Aviation & Transport (MAT) & Proportional Reinsurance
- Fire & Other Damage to Property & Proportional Reinsurance.

- General Liability & Proportional Reinsurance.
- Legal Expenses & Proportional Reinsurance
- Assistance & Proportional Reinsurance.
- Miscellaneous Financial Loss & Proportional Reinsurance.

8.12.3. If the business is written in different geographical regions then the volume measures in the “Premium and Reserve Risk” worksheet should be allocated to the relevant regions 1 to 19. See TS Appendix 6 for a full description of these regions. Where an insurer doesn’t have data at a sufficient granularity to split the volume measures accurately, then insurers can choose not to benefit from geographical diversification.

8.12.4. $V_{(prem,j,s)}$ input the premium volume measure for LOB written in region (j).

8.12.5. $V_{(res,j,s)}$ input the reserve volume measure for LOB written in region (j).

8.12.6. Ensure that $V_{(prem,s)}$ and $V_{(res,s)}$ for each LOB reconciles with corresponding values in the “Premium and Reserve Risk” worksheet.

8.13. Lapse Risk

8.13.1. Calculates the solvency capital requirement that will result from a lapse stress having an adverse impact on basic own funds (BOF) as per TS 2.7.5.

8.13.2. Only enter profitable LOBs/contracts (with an expected loss ratio, on the assumptions used in setting the premium reserves, of less than 100%) where a lapse shock will result in the expected profits not arising. Note that where the accounting provisions are currently being used and these are set equal to 100% of the unearned premium the lapse shock is not required as the expected loss ratio will not be less than 100%.

8.13.3. For ‘Profitable Grouping’ enter the grouping at the most granular level necessary to ensure that profitable contracts are not offset by unprofitable ones.

8.13.4. For ‘Line of Business’, select the appropriate LOB from the drop down box.

8.13.5. For ‘2018 Pipeline Premiums’ input the premiums which are in respect of exposures not yet on the balance sheet at the valuation date but which the company is contractually obliged to accept in future.

8.13.6. For ‘Ultimate Loss Ratio’ input an estimate of the loss ratio for the grouping in question (on the basis of the assumptions used in the premium reserves element of the technical provisions).

8.13.7. For ‘Claims Expense Ratio’ input any allowance for expenses if not already included in the ultimate loss ratio.

8.14. Catastrophe Risk

- 8.14.1. Calculates the solvency capital requirement that will result from catastrophic shock scenarios having an adverse impact on basic own funds (BOF). The inputs required vary according to the line of business.
- 8.14.2. For $P_{(i)}$, $P_{\text{nonproperty}}$, $P_{\text{(liability, i)}}$, $P_{\text{(other, i)}}$, and $P_{\text{(recession)}}$ enter the estimate of premiums to be earned for each contract covering the relevant risk during the 12 months following the valuation date. The premium entered should be gross, without deduction of premiums for risk mitigation arrangements.
- 8.14.3. For $SI_{(i)}$ enter the sum insured for each contract in relation to contracts that cover subsidence risk of residential buildings. The sum insured should be gross, without deduction of amounts recoverable from risk mitigation arrangements.
- 8.14.4. For N_a enter the number of vehicles insured in LoB 1 and 13 with a deemed policy limit above £20m and for N_b enter the number of vehicles insured in LoB 1 and 13 with a deemed policy limit equal to or below £20m.
- 8.14.5. For $\text{maxSI}_{\text{tanker}}$ enter the highest total sum insured for any oil or gas tanker insured by the insurer, for marine hull, marine liability and oil pollution insurance combined, as specified in TS 2.7.6.28. The sum insured should be gross, without deduction of amounts recoverable from risk mitigation arrangements.
- 8.14.6. For $\text{maxSI}_{\text{platform}}$ enter the highest total sum insured for any oil or gas offshore platform insured by the insurer, for the risks specified in TS 2.7.6.30. The sum insured should be gross, without deduction of amounts recoverable from risk mitigation arrangements.
- 8.14.7. For $\text{maxSI}_{\text{aviation}}$ enter the highest total sum insured for any aircraft insured by the insurer maximum total exposure for aviation hull and aviation liability risks. The sum insured should be gross, without deduction of amounts recoverable from risk mitigation arrangements.
- 8.14.8. For $\text{maxSI}_{\text{fire}}$ enter the highest total sum insured for fire risk concentration insured by the insurer in relation to each building, partially or fully located within a radius of 200 meters, from damage due to fire or explosion. The sum insured should be gross, without deduction of amounts recoverable from risk mitigation arrangements.
- 8.14.9. For $\text{maxL}_{\text{(default,1)}}$ and $\text{maxL}_{\text{(default,2)}}$ enter the largest and second largest exposures relating to credit and suretyship risks, as specified in TS 2.7.6.43. The loss-given-default should be gross, and include amounts recoverable from risk mitigation arrangements.
- 8.14.10. For Agg Impact enter the adjustment necessary to reduce the loss shown in the $\text{NLNatCat}_{\text{pre-agg}}$ column to reflect the existence of any aggregate cap. The amount entered should be zero or negative. The amount entered

here should result in the $NLNatCat_{post-agg}$ column showing the loss reflecting the existence of the cap.

- 8.14.11. For RM Impact enter the value of the risk mitigating impact (i.e. the amount recoverable from reinsurance arrangements or SPVs). This amount entered should be zero or positive. The amounts entered in this Column S should be consistent with the total of each reinsurance counterparty's share of the catastrophe losses for each line of business in E22:E37 (' $NL_{cat}^{hyp} - NL_{cat}^{without}$ ') of the "RM – Single CP_x" tabs of the counterparty default risk helper workbook.

8.15. Health_Prem & Reserve Risk

8.15.1. Calculates the premium and reserve volume measures that will arise from all the non SLT health underwriting lines of business.

8.15.2. Input the following in the table in the cell range B5:Y11:

- ' P_s ' enter the premiums to be earned by the (re)insurer for each LOB, s, during the 12 months following the valuation date. Premiums should be net, with deduction of premiums for reinsurance & SPVs and commission.
- ' $P_{(last,s)}$ ' enter the premiums earned by the (re)insurer for each LOB, s, during the last 12 months preceding the valuation date. Premiums should be net, with deduction of premiums for reinsurance & SPVs and commission. However, if following TS 2.6.4.7 input 0 instead.
- ' $FP_{(existing,s)}$ ' enter the expected present value of premiums to be earned by the (re)insurer for each LOB, s, after the 12 months following the valuation date for existing contracts. Premiums should be net, with deduction of premiums for reinsurance & SPVs and commission.
- ' $FP_{(future,s)}$ ' enter the expected present value of net premiums to be earned for each LOB, s, for contracts where the initial recognition date falls in the 12 months following the valuation date (excluding premiums to be earned during the 12 months after the initial recognition date).
- 'Number of aggregate caps' enter the number of aggregate caps affecting the LOB's. This will create that number of input rows below row 16 of the worksheet for the corresponding LOB. The minimum that can be input is "0" and the maximum that can be input is "60". Contact the FSA if you need more caps.

8.15.3. For lines of business which have aggregate caps applying to current, future or historic tranches of business, each block of liabilities which is subject to an aggregate cap should be entered in the appropriate row below row 16, including the relevant volume measures and caps.

8.15.4. As well as the relevant premium volume measures, the following inputs will be required for each tranche subject to an aggregate cap:

- ‘Max exposure from $V_{(prem)}$ ’ input the maximum exposure (the aggregate cap) to claims from the premiums in column O of the worksheet for the contract(s) to which this cap applies (will only apply to tranches for which there are non-zero premium measures).
- ‘Claim reserve’ enter the reserve (the relevant part of the total reserve in the in Q7:Q10 for that line of business) for the contract(s) to which this aggregate cap applies.
- ‘Max exposure from in-force’ enter the maximum amount of claims that could result from the contract(s) subject to this aggregate cap. This should be net of any claims which have already been paid.

8.15.5. Where necessary, aggregate caps should be split across lines of business on a best endeavours basis.

8.16. Health_DIV

8.16.1. Updates the impact of geographical diversification on the premium and reserve volume measures by LOB.

8.16.2. The following are the only LOB’s that will benefit from geographical diversification:

- Medical expense & Proportional Reinsurance
- Income Protection & Proportional Reinsurance.
- Workers' compensation & Proportional Reinsurance

8.16.3. If the business is written in different geographical regions then the volume measures in the “Premium and Reserve Risk” worksheet will need to be allocated into the relevant regions 1 to 19. See TS Appendix 6 for a full description of these regions. Where an insurer doesn’t have data at a sufficient granularity to split the volume measures accurately, then insurers can choose not to benefit from geographical diversification.

8.16.4. For ‘ $V_{(prem,j,s)}$ ’ input the premium volume measure for LOB (s) written in region (j).

8.16.5. For ‘ $V_{(res,j,s)}$ ’ input the reserve volume measure for LOB (s) written in region (j).

8.16.6. Ensure that $V_{(prem,s)}$ and $V_{(res,s)}$ for each LOB reconciles with the corresponding values in the “Health_Prem & Reserve Risk” worksheet.

8.16.7. Use the results of the check in column AU as a check that the required data has been entered.

8.17. Health_Lapse Risk

8.17.1. Calculates the solvency capital requirement that will result from a lapse stress having an adverse impact on basic own funds (BOF).

8.17.2. Only enter profitable LOBs/contracts (with an expected loss ratio, on the assumptions used in setting the premium reserves, of less than 100%) where

a lapse shock will result in the expected profits not arising. Note that where the accounting provisions are currently being used and these are set equal to 100% of the unearned premium the lapse shock is not required as the expected loss ratio will not be less than 100%.

- 8.17.3. For 'Profitable Grouping' the grouping should be at the most granular level necessary to ensure that profitable contracts are not offset by unprofitable ones.
- 8.17.4. For 'Line of Business' select appropriate LOB from the drop down box.
- 8.17.5. For '2018 Pipeline Premiums' input the premiums which are in respect of exposures not yet on the balance sheet at the valuation date but which the company is contractually obliged to accept in future.
- 8.17.6. For 'Ultimate Loss Ratio' input an estimate of the loss ratio for the grouping in question (on the basis of the assumptions used in the premium reserves element of the technical provisions).
- 8.17.7. For 'Claims Expense Ratio' input any allowance for expenses if not already included in the ultimate loss ratio.
- 8.17.8. Use the results of the check in column T as a check that the required data has been entered.

8.18. Health_Catastrophe Risk

- 8.18.1. Calculates the solvency capital requirement that will result from catastrophic shock scenarios having an adverse impact on basic own funds (BOF). The inputs required vary according to the type of catastrophic shock scenario. See TS 2.8.5 for full details.
- 8.18.2. For pandemic risk the following inputs are required:
 - In cell F10 enter the total value of benefits payable by the insurer for all insured persons covered by income protection insurance other than workers' compensation insurance. The benefits are those payable in the event of a permanent work disability caused by infectious diseases. See TS2.8.5.24 for details.
 - In cell L10 enter the adjustment necessary to reduce the loss shown in the GrossL_p cell J10 to reflect the existence of any aggregate cap. The amount entered should be zero or negative. The amount entered here should result in the 'L_p after aggregate cap' cell N10 showing the loss reflecting the existence of the cap.
 - In cell P10 enter the value of the risk mitigating impact (i.e. the amount recoverable from reinsurance arrangements or SPVs). This amount entered should be zero or positive, and result in the value in the NetL_p cell R10 being the insurer's loss in this scenario net of reinsurance recoverables. The amounts entered in this cell P10 should be consistent with the total of each reinsurance counterparty's share of the catastrophe losses for each relevant

line of business in E22:E37 ('NL_{cat^{hyp}} - NL_{cat^{without}}') of the "RM – Single CP_x" tabs of the counterparty default risk helper workbook.

8.18.3. For health mass accident risk (health insurance excluding workers' compensation) the following inputs are required, separately for each country in which the insurer has exposure to this risk. Where a country is not already listed in column C, the name of the country should be added in that column, from cell C49 downwards.

- In column F enter the total value of benefits payable by the insurer for all insured persons in each country, in case of death caused by accident. See TS2.8.5.9-14 for details.
- In column H enter the total value of benefits payable by the insurer for all insured persons in each country, in case of permanent disability caused by accident. See TS2.8.5.9-14 for details.
- In column J enter the total value of benefits payable by the insurer for all insured persons in each country, in case of disability lasting 10 years caused by accident. See TS2.8.5.9-14 for details.
- In column L enter the total value of benefits payable by the insurer for all insured persons in each country, in case of disability lasting 12 months caused by accident. See TS2.8.5.9-14 for details.
- In column N enter the total value of benefits payable by the insurer for all insured persons in each country, in case of medical treatment caused by accident. See TS2.8.5.9-14 for details.
- Column R (GrossL_c) shows the loss in the mass accident scenario in each country before the effect of aggregate caps and risk mitigation. In column T enter the adjustments necessary for each country to reduce the loss shown in the GrossL_c column R to reflect the existence of any aggregate cap. The amount entered should be zero or negative. The amount entered here should result in the 'L_c after aggregate cap' column V showing the loss reflecting the existence of the cap.
- In column X enter the value of the risk mitigating impact (i.e. the amount recoverable from reinsurance arrangements or SPVs). This amount entered should be zero or positive, and result in the value in the NetL_c column Z being the insurer's loss in this scenario net of reinsurance recoverables. The amounts entered in this column X should be consistent with the total of each reinsurance counterparty's share of the catastrophe losses for each relevant line of business in E22:E37 ('NL_{cat^{hyp}} - NL_{cat^{without}}') of the "RM – Single CP_x" tabs of the counterparty default risk helper workbook at the 1 in 200 level.

8.18.4. For accident concentration risk (workers' compensation and group income protection insurance) the following inputs are required, separately for each country in which the insurer has exposure to this risk. Where a country is not

already listed in column C, the name of the country should be added in that column, from cell C49 downwards.

- In column AC enter the number of lives insured in the largest known concentration of lives working in a single building plus those lives known to be covered and working in a radius of 300m, in each country. See TS2.8.5.17-19 for details.
- In column AE enter the total value of benefits payable by the insurer for all insured persons in the group entered in column AC, in case of death caused by accident. See TS2.8.5.17-20 for details.
- In column AG enter the total value of benefits payable by the insurer for all insured persons in the group entered in column AC, in case of permanent disability caused by accident. See TS2.8.5.17-20 for details.
- In column AI enter the total value of benefits payable by the insurer for all insured persons in the group entered in column AC, in case of disability lasting 10 years caused by accident. See TS2.8.5.17-20 for details.
- In column AK enter the total value of benefits payable by the insurer for all insured persons in the group entered in column AC, in case of disability lasting 12 months caused by accident. See TS2.8.5.17-20 for details.
- In column AM enter the total value of benefits payable by the insurer for all insured persons in the group entered in column AC, in case of medical treatment caused by accident. See TS2.8.5.17-20 for details.
- Column AO (GrossL_c) shows the loss in the accident concentration scenario in each country before the effect of aggregate caps and risk mitigation. In column AQ enter the adjustments necessary for each country to reduce the loss shown in the GrossL_c column AO to reflect the existence of any aggregate cap. The amount entered should be zero or negative. The amount entered here should result in the 'L_c after aggregate cap' column AS showing the loss reflecting the existence of the cap.
- In column AU enter the value of the risk mitigating impact (i.e. the amount recoverable from reinsurance arrangements or SPVs). This amount entered should be zero or positive, and result in the value in the NetL_c column AW being the insurer's loss in this scenario net of reinsurance recoverables. The amounts entered in this column AW should be consistent with the total of each reinsurance counterparty's share of the catastrophe losses for each relevant line of business in E22:E37 ('NL_{cathyp} - NL_{catwithout}') of the "RM – Single CP_x" tabs of the counterparty default risk helper workbook.

8.19. Market Risk

- 8.19.1. Calculates the market risk SCR arising from: interest rate risk, equity risk, property risk, foreign exchange risk, credit spread risk and concentration risk.
- 8.19.2. For “Currency simplification to be used?” (cell E50) select “Y” if using currency simplification, otherwise select “N”.
- 8.19.3. For “Credit Spread simplification to be used?” (cell E82) select “Y” if using credit spread simplification, otherwise select “N”.

8.20. Non-Life Underwriting Risk

- 8.20.1. Calculates the non-life underwriting risk SCR arising from premium & reserve risk, lapse risk and catastrophe risk.
- 8.20.2. For ‘SCR_{non-life_stop_loss}’ input any aggregation limit to the non-life underwriting risk if there is an overriding stop loss programme in place.

8.21. Non-SLT Health Risk

- 8.21.1. Calculates the non-SLT health underwriting risk SCR arising from health premium & reserve risk, health lapse risk and health catastrophe risk.
- 8.21.2. For ‘SCR_{health_stop_loss}’ input any aggregation limit to the health underwriting risk if there is an overriding stop loss program in place.

8.22. Operational Risk

- 8.22.1. Calculates the operational risk SCR.
- 8.22.2. For Earn_{non-life} enter the earned premium during the 12 months before the valuation date for non-life and health insurance obligations. The premium entered should be gross, without deduction of premiums for risk mitigation arrangements.
- 8.22.3. For pEarn_{non-life} enter the earned premium during the 12 months prior to the 12 months before the valuation date for non-life and health insurance obligations. The premium entered should be gross, without deduction of premiums for risk mitigation arrangements.

8.23. SCR Summary

- 8.23.1. Calculates the total SCR arising from market risk, default risk, health risk and non-life risk.
- 8.23.2. The regulatory capital resources are used to determine the insurer’s solvency coverage (SCR) ratio.
- 8.23.3. No input is required in this tab.
- 8.23.4. The main outputs from the worksheet are:
- **Solvency Capital Requirement (SCR)**
 - **Regulatory capital resources to meet SCR**
 - **SCR Ratio**

8.24. Data

8.24.1. Includes, currency code mapping, correlation matrices, credit quality steps mapping table, various calibrations for market and non-market risk capital charges and mapping tables for non-life and non SLT health LOBs.

8.24.2. No input is required in this tab.

8.25. SCR Structure

8.25.1. Shows the structure chart of the solvency capital requirement modules (e.g. "Market"), sub-modules (e.g. "Interest rate") and adjustments to the SCR (e.g. "Op")

8.25.2. No input is required in this tab.