

## ProVal 3.23 beta Patches Log

This log documents changes to ProVal version 3.23 beta since its initial release.

5/21/2026

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### System

- a. Fixed VALUE ERROR in List Objects.
- b. Fixed horizontal scroll bar in Change History.

### Tools

- a. Various fixes to the Report Writer.

5/18/2026

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### Database

- a. Various fixes to Change History Database Tracking field.

### Tools

- a. Various fixes to the Report Writer.

5/12/2026

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### Database

- a. Fixed the screen data check for missing age at decrement for inactives if #DECYEAR or #DECAGE are used only in active COLA overrides.
- b. Fixed NONCE ERROR in Data Scripts > Checklist > View when the checklist is empty.
- c. In Screen Data, no longer flag inactive records with negative benefit amounts as an error under the test "Inactive – missing annual benefit amount". Inactive records with missing benefit amounts will still be flagged.
- d. In Data Questions, let user select ".py" fields for current year tests. For example, if date of birth is missing, you might want to show the record's date of birth last year.
- e. Various modifications to Track Status field project.

### Sample Lives

- a. In German mode, fixed the Summary Results sample life report for German Pensionskasse risk capital, Part B, if based on "PVB-PVC" and either there are no employee contributions or no employer contributions.
- b. In Canadian mode, fixed LENGTH ERROR viewing the core projection emerging inactive summary report when there are excess contributions.

### Valuations & Core Projections

- a. In Canadian mode, fixed solvency incremental cost when there is more than one employee contribution definition included in the excess contribution calculation.

Please note that item a above may change results and has been entered into the Changes Log (Changes Log.doc).

### Scaling Factors

- a. Added <no rates> option to scaling by calendar year.

### Asset & Funding Policy

- a. In Canadian mode, fixed potential DOMAIN ERROR editing the amortization topic.

#### Deterministic Assumptions

- a. Increased permitted values allowed to be entered in the asset smoothing parameters.

#### Stochastic Assumptions

- a. In OPEB mode, fixed INDEX ERROR editing the benchmark topic.

#### Valuation Sets & Forecasts

- a. Fixed non-PPA amortization calculations if the underlying interest rates were duration-based spot rates. Previously, they were treated as forward rates.

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#### Output

- a. In German mode, applied rounding to the Pensionskasse risk capital (Part A, B and C) if rounding of the liabilities was selected by the user.

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#### Tools

- a. Fixed potential INDEX ERROR running a gain/loss when the valuation assumptions have a service definition selected for attribution, but that field is ghosted because it is not used.
- b. In German experience studies, require active and inactive weighting factors to be the same field.
- c. In German experience studies, for spouses of actives and terminated vested who die, get the spouse age and sex from the end of year database for the half year adjustment.
- d. Fixed VALUE ERROR when viewing gain/loss individual results from within a gain/loss and you click the DC tab.

#### System

- a. Fixed INDEX ERROR using File > Change History in a client with OPEB benefits, but while in pension mode.

4/24/2026

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#### Database

- a. Fixed potential INDEX ERROR running Merge Data from Data Scripts if there are lurking fields.
- b. Fixed LENGTH ERROR saving a record layout without the "other" delimiter set.

#### Valuation Assumptions

- a. In Canadian mode, fixed VALUE ERROR entering the parameters for zero mortality by coded field.

#### Sample Lives

- a. Fixed total liability rounding in German inactive sample lives.

## Output

- a. When viewing a Valuation Set, fixed alignment and sorting of valuation names if any contained checkmarks.
- b. In German mode, fixed View and Compare of Accrual Definition Benefit Formula Components so that the Vesting topic is displayed.
- c. In a Val Set, fixed duplicate output names for Actuarial & PPA NAR EIRs.

## Tools

- a. In German mode Gain/Loss, fixed gain/loss due to active decrements and other implicit assumptions changes if a participant is eligible for the same benefit twice (through multiple benefit promises). These incorrect amounts offset each other, so the total gain/loss amount was correct.
- b. In Report Writer, fixed VALUE ERROR importing results.
- c. Fixed potential INDEX ERROR running a gain/loss when the valuation assumptions have a service definition selected for attribution, but that field is ghosted because it is not used.
- d. In experience studies, fixed saving election probability breakpoints for vested valued as active benefits.

Please note that item a above may change results and has been entered into the Changes Log (Changes Log.doc).

## System

- a. Improve placement of Intellisense choice list so it doesn't cover the cursor.
- b. In Import from Client, fixed VALUE ERROR importing a valuation and LENGTH ERROR importing a database.
- c. Removed warning about an object being shared amongst projects.

4/20/2026

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## Interest Rates

- a. Updated PPA interest rates through April 2026.
- b. Updated Multi-employer interest rates through April 2026.
- c. Updated GATT interest rate through March 2026.
- d. Updated PPA minimum present value interest rates through March 2026.

## Database

- a. When running Find Duplicates and no duplicates found, remove prompt that asks user if they'd like to view the duplicates.
- b. When importing data, fixed errors when import file has duplicate column headings.

## Valuation Sets & Forecasts

- a. In a deterministic forecast, fixed INDEX ERROR running by group with an event if subtotals vary between the baseline run and the event.

## Output

- a. Removed GASB 25/27 and 43/45 variables from stochastic output screens. The variables are still available via custom variables.
- b. Added a Report Writer button to the Valuation Set Output Pane.

## Tools

- a. Fixed VALUE ERROR populating ProVal PS.
- b. Various Report Writer Improvements including:

- Permit the use of .docx file templates to support excel charts
- Add a prominent Insert Fields button
- Filter out inputs that aren't in the template document
- Allow import of valuation set results directly from report writer

#### System

- Display Microsoft access engines in System Information.

4/16/2026

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#### Database

- Several fixes related to the change history including, delete the change history if it is replacing an existing file when importing data and rolling back change history delete if database not saved.

#### Valuation Assumptions

- Fixed VALUE ERROR editing Projection Assumptions.
- Disallow assumption constants in calendar year and duration based interest rate assumptions.
- In Canadian mode, moved the new parameters for zero pre-commencement mortality underneath a button.

#### Projection Assumptions

- Under retirement rates by <age/service on valuation date>, remove the option to use simplified constants. This should only be supported as a Valuation Assumption.

#### Valuations & Core Projections

- Fixed INDEX ERROR in core projection running at-risk liability using the most valuable optional form at each decrement age and the plan contained post-termination retirement benefits and employee contributions.
- Fixed "sign as reviewer" button in German mode Valuations.
- Move the location of the "sign as reviewer" button in the toolbar.
- In CAS Valuations & Core Projections, apply any exclude participant codes to the CAS PVB.

#### Valuation Sets & Forecasts

- Fixed warning message for New Brunswick PfAD.

#### Output

- Fixed output by group if all benefits are displayed. Previously, they were assigned a group.
- Added columns for tags and notes to output style libraries.
- Fixed INDEX ERROR viewing projected benefit payment sensitivities for multiple valuations.

#### Tools

- Improved run times for Experience Studies.

#### ProVal PS

- Fixed VALUE ERROR setting up a new scenario using the populate from trial button.

#### System

- Fixed site license to work with earlier versions of ProVal.

4/10/2026

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#### Database

- a. Several fixes related to the change history including, delete the change history if it is replacing an existing file when importing data and rolling back change history delete if database not saved.

#### Salary Definitions

- a. Removed German only parameters from the dialog in non-German modes.

#### Plan Definitions

- a. Fixed INDEX ERROR creating a new benefit component when no payment form existed.
- b. Fixed error opening a benefit definition in OPEB mode.

#### Valuations & Core Projections

- a. In German mode fixed several issues related to the ATZ calculation, including attribution, list view for assumptions, and lurking retirement decrement assumptions.
- b. In sample lives, fixed title of a post-decrement report.
- c. Only display CAS and AFN individual result choices in Qualified mode.

#### Tools

- a. In experience studies, fixed spurious benefits from list of rates by benefit.
- b. Fixed VALUE ERROR in administration factors.

#### DC Plans

- a. Added the 2026 special catchup contribution to the DC Allocations and DC ADP/ACP tests.

#### System

- a. Fixed error running the automated tester.
- b. Fixed OBJECT ERROR using the graphing tool.

#### ProVal PS

- a. Fixed VALUE ERROR running PS.
- b. Update licensing.

4/6/2026

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Initial release.