

ATTACHMENT B

Tools Included in the Actuarial Calculation Toolkit (ACT)

ACT (Actuarial Calculation Toolkit), is used by actuaries to define how a plan must be valued and how benefit statements for that plan should be generated. ACT also allows the actuary to define how a plan's benefit estimation calculation is to be conducted, prior to final valuation.

Actuaries use ACT to take basic data from the Participant Data Audit and perform the valuation.

Once the valuation is complete –

- ACT data is provided to other systems such as ADT (Automated Data Transfer) and Datahub, to load the data into the paying database – Genesis.
- Benefit statements for each customer is loaded into ALG (Automated Letter Generation) system, so that Benefit Determination letters can be sent to customers.
- All files related to that particular plan are archived and are made available through the Archive system.

ACT includes the following tools:

ValTool - The Valuation Spreadsheet Tool

This application is an interface by which the actuary can import customer data from MSAccess 97 tables into a MSEXcel 97 spreadsheet, calculate and value the customers' benefits, and then export the newly calculated data back to the MSAccess 97 tables. This tool can be used to create both valuation/recalculation and estimation spreadsheets (BSRS/BET).

DRS - The DOPT Report System

This application is a report writing tool by which the actuary can design tables of customer data for inclusion in the Actuarial Case Report. Reports can be generated for all customers or a custom group of customers. Reports generated by this tool can be printed and saved.

The Design Tool

BET -Benefit Estimation Tool and BSRS - Benefit Statement and Recalculation System

The BET Design Tool, allows the actuary to design data entry screens by which the PLS or FBA can calculate estimated benefits for customers who retire after trusteeship, but before the valuation is final. This tool also allows the actuary to define how data in the statements are to be displayed.

The BSRS Design Tool, allows the actuary to design data entry screens by which the PLS or FBA can re-calculate benefits for customers who retire after the valuation is final. This tool also allows the actuary to define how data in the statements are to be displayed.

The Runtime Tool

BET - Benefit Estimation and BSRS - Benefit Statement and Recalculation System

The BET Runtime Tool, allows the PLS or FBA to enter data in the data entry screens, developed by the actuary in the Design Tool, to generate an estimated benefit statement. Data entry could include running a benefit estimation for existing or new customers. Data entered by the PLS or FBA is captured and stored in a set of estimation MsAccess 97 tables that the actuary can then use in the final valuation. This tool utilizes the estimation spreadsheet that the actuary creates within the Valuation Spreadsheet Tool.

The Runtime BSRS, allows the PLS and FBA to enter data in the data entry screens, developed by the actuary in the Design Tool, to generate recalculated benefit statement or simply use the existing valuation data to generate a benefit statement. This tool utilizes the valuation spreadsheet that the actuary creates within the Valuation Spreadsheet Tool.