

**Administer and communicate  
your retirement plans with one complete system**



**Milliman Actuarial Retirement Calculator**

**The key to completing your retirement plan puzzle**





## MARC is the key to completing your retirement plan puzzle

If you're an employer wanting to combine the administrative and communications components of your retirement plans into one system, the Milliman Actuarial Retirement Calculator™ (MARC™) is the final piece of the puzzle. Whether you're committed to the in-house administration of your pension plan or are considering outsourcing, MARC is perfect for you.

MARC is both a powerful pension administration system and an overall retirement program communication system.

MARC puts you in control of your pension administration and overall retirement program communication functions and provides increased visibility for your retirement program. Information for cash balance and other defined benefit plans, 401(k) and other defined contribution plans, and Social Security is easy to access with MARC.

When it comes to helping employers combine the administrative and communications components of their retirement plans, MARC completes the puzzle.

### KEY ADVANTAGES:

- **Multifaceted**—MARC offers data storage, data import/export, benefit calculation, task management, correspondence management, and Web-based benefit estimate capabilities in a single system.
- **Cost-effective**—MARC is a more affordable but highly proficient alternative to other systems. Built-in flexibility means that plans of any size can cost-effectively utilize MARC's capabilities.
- **Easy to use**—MARC is simple to maintain and update. Users navigate effortlessly through MARC's streamlined, intuitive user interface.
- **Flexible**—MARC preserves the option to quickly and efficiently move to outsourcing at a future date.
- **Internet-ready**—MARC offers multiple options for advanced communications over the Internet.
- **Milliman expertise**—MARC offers the full weight of Milliman's unparalleled expertise and commitment to service.

### PLAN ADMINISTRATION

MARC combines a myriad of administrative tasks for defined benefit and cash balance plans into one system. These include:

- Maintaining pension administrative data
- Performing final benefit calculations and preparing election forms
- Calculating alternative "what if" pension estimates
- Producing annual pension benefit statements
- Providing actuarial valuation data to the plan actuary

### EMPLOYEE COMMUNICATIONS

MARC will increase your employees' understanding and appreciation of your company's overall retirement program by quickly relaying retirement communication data to plan participants, either online or via printed materials. Information for plan participants covers:

- Defined benefit pension plans
- Cash balance plans
- Nonqualified SERP plans
- 401(k) or other defined contribution plans
- Social Security

### FLEXIBILITY

MARC is a single- or multiuser system that allows employers to choose between administering their cash balance or defined benefit pension plans in-house or outsourcing this function. MARC offers the added flexibility of allowing employers to install MARC in-house with the option to later outsource the administration to Milliman. MARC is also the pension administration system used for many of Milliman's pension outsourcing clients.

**MARC HELPS  
EMPLOYERS SAVE  
TIME AND MONEY  
BY CENTRALIZING  
NUMEROUS FUNCTIONS  
QUICKLY AND SIMPLY.**

### INTERNET/INTRANET CAPABILITIES

The MARC participant Web site can produce a comprehensive retirement statement showing all types of estimated retirement benefits on a single page. It allows employees to view their defined benefit, defined contribution, Social Security, and other retirement benefits via a secure connection to the Internet or company intranet. Employees can vary key assumptions to produce alternative “what if” benefit projections.

View a demonstration at [www.milliman.com/marc](http://www.milliman.com/marc).

Employees can further use MARC and the Web to perform various self-service administrative tasks, such as reviewing their personal or employment data on file, informing the company of an address change, and viewing a copy of the summary plan description.

In an outsourcing environment, MARC’s plan sponsor Web site allows access to the system’s data and reports.

### PLAN CODING

Most plan provisions are parameter coded by Milliman personnel, allowing for efficient installation. MARC plan coding features include:

- Cash balance plan parameters
- Easy handling of multiple plans, groups, or company locations
- Unlimited number of benefit formulas
- Easy access to prior plan minimums and offsets
- Custom-coding of complex plan provisions (using Microsoft Visual Basic)

### DATABASE

Features of MARC’s powerful database include:

- Storage of unlimited amounts of salary information
- An archive for storing information for former participants
- An “audit trail” that logs all database changes
- Error trapping and data filtering
- Storage of QDRO information
- An employment history table

For new MARC users, Milliman will set up the initial database prior to installation based on data provided by the plan sponsor. Employers can update the database via pre-defined data imports on the time schedule best suited to their staffing considerations.

On each valuation date, the employer can simply run a predefined export to create a data file with all of the necessary valuation data. Import and export scripts link MARC’s data with Milliman’s actuarial valuation system, allowing for easy data exchange between these systems.

### REPORTING

MARC utilizes Crystal Reports® to generate many different reports, which can be stored electronically and archived. Reporting functions include:

- Data summary reports
- Annual pension benefit statements
- Annual update reports for cash balance or career average plans
- Benefit estimate reports
- Final termination/retirement reports
- Participant election forms
- Customized reports for individual clients
- Form letters to plan participants
- Numerous management reports
- Ongoing personalized support from the employee benefits experts

### Putting the Pieces Together

- Pension Plan Administration
- Employee Communications

### Features and Capabilities

- Flexibility
- Internet/Intranet Capabilities
- Plan Coding
- Database
- Reporting

## Completing the puzzle

**For a MARC demonstration or to learn more about how Milliman can complete your retirement plan puzzle, contact your local Milliman consultant, visit MARC’s Web site at [www.milliman.com/marc](http://www.milliman.com/marc), or call Kevin Hart at +1 262 784 2250.**



MARC is continually supported by a team of highly experienced Milliman actuaries.

MARC is the product of more than 15 years of continuous development and refinement based on Milliman's expertise, real-world testing, and customer input. The first MARC installation took place in 1993. MARC is continually supported and enhanced by our team of highly experienced actuaries and systems analysts.

We take pride in our reputation as developers of cutting-edge tools to negotiate the rapid changes of the employee benefits environment. MARC is one example of our ongoing commitment to helping our clients improve and enhance their retirement plan systems.

Milliman employee benefits consultants provide services to all types and sizes of retirement plans—from those covering a single participant to many of the nation's state retirement systems.

Our services include:

- Actuarial funding and financing
- Defined contribution recordkeeping
- Plan design
- Administration
- Outsourcing
- Compliance and reporting
- Investment consulting
- Employee benefits communications



Milliman, whose corporate offices are in Seattle, serves the full spectrum of business, financial, government, and union organizations. Founded in 1947 as Milliman & Robertson, the company has 48 offices in principal cities in the United States and worldwide. Milliman employs more than 2,100 people, including a professional staff of more than 1,000 qualified consultants and actuaries. The firm has consulting practices in employee benefits, health-care, life insurance/financial services, and property and casualty insurance. Milliman's employee benefits practice is a member of Abelica Global, an international organization of independent consulting firms serving clients around the globe. For further information visit [milliman.com](http://milliman.com).

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