

MARACOR Update

Issue No. 11

September 2008

R.G. 1.200, Rev 2...

Welcome to the current issue of Maracor Update. Draft Rev. 2 of Reg. Guide 1.200 was recently released for comment. This revision, when issued, will endorse the Fire and External Events PSA standards. Many of our clients are now addressing the requirements of Rev. 1 of the RG, and our staff will be ready to assist in meeting the new Rev. 2 requirements in 2009 and 2010.

MARACOR Software & Engineering, Inc. provides engineering consulting services and technical software development, primarily for the electric utility industry.

Our staff consists of experienced engineers with proven track records of technical capability, customer service, and on-time product delivery. Our service areas include Probabilistic Safety Assessment (PSA), Configuration Risk Management/Maintenance Rule support, PSA applications, reliability analysis, maintenance optimization, software applications, and cost-benefit analysis. We hope you consider **MARACOR** to support your technical consulting needs.

Recent Activities

For more information about any of these projects, please see the contact information provided at the end of this newsletter

PSA Enhancement and Applications

Maracor is assisting San Onofre in preparing its PSA/configuration risk management models to implement Risk Managed Tech Specs (RITS Initiative 4B). Activities include update of the quantification documentation (with parametric and modeling uncertainties), update of the CRM and transition modes models, & documentation of various Tech Spec functions.

Maracor is also supporting FPL's license application for an Extended Power Uprate for Point Beach, including identifying how the EPU would affect risk and

identifying potential risk mitigation modifications and strategies.

Other PSA enhancement activities underway include the following:

- Assistance to Dominion in the upgrade of their PSAs to meet Reg. Guide 1.200 requirements (recent tasks include Data, HRA & LERF updates)
- Assistance to Energy Northwest for the update of the Columbia PSA's Systems Analysis, Initiating Event Analysis, and Internal Flooding Analysis
- Update of the Ginna PSA to prepare it for a peer review this fall

- Continuing support for the NFPA-805 programs for Point Beach, Prairie Island, and Monticello
- Preparation of modeling uncertainty evaluations for the Turkey Point and St. Lucie PSAs.
- Review of the Hatch event trees and accident sequence analysis notebook to identify Reg. Guide 1.200 improvements.

Configuration Risk Management (CRM)

For EPRI's Configuration Risk Management Forum (CRMF), interim guidelines have been prepared for assessing the risk of Heavy Load activities as part of the Maintenance Rule (a)(4) program.

These guidelines will be finalized later this year. Maracor is also assisting EPRI in preparing a technical update report of lessons learned from the pilot plant implementation of Risk Managed Technical Specifications (RMTS).

Training

Maracor conducted a training session for Japanese operations and management personnel on US maintenance, safety and QA practices. This fall, Maracor will also conduct a seminar in Japan on on-line maintenance practices.

Software Tools

Maracor develops and enhances software tools for PC Windows® desktop & Web-enabled uses. We can also develop custom tools to meet specific needs.

Please visit our Web Site, www.maracor.com, to obtain additional information about our products and services. On our Web Site, you can also review our most recent news releases and product announcements. Additional copies of **MARACOR Update** (including previous issues) are also available there for downloading.

Did You Attend PSA'08?...

Maracor staff authored or co-authored a number of papers that were presented at the ANS PSA'08 topical meeting. These papers covered topics such as pre-initiator human error development, compliance with R.G. 1.200, Interfacing System LOCA analysis, parametric uncertainty analysis, and configuration risk management insights. If you did not attend the conference but would like to get copies of the papers that our staff presented, please contact us at one of the locations noted below.

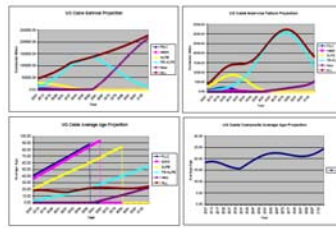
How to Contact Us

MARACOR operates from three primary office locations, with additional personnel located in Delaware, Pennsylvania, Tennessee, Washington and Wisconsin. Please contact the office nearest to you for information about our capabilities and services:

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OPTIC Forecasting Tool (OFT™) Display

Maracor is continuing to assist SCE's power delivery organization with further analytical enhancements to the OFT™ software tool to evaluate the benefits of a proactive underground cable testing program.

Other Maracor-developed software tools include:

- **VisFT™ (Advanced Fault Tree Diagnostics).**
- **SM-UNCERT™ (Enhanced Uncertainty Analysis)**

Our tools can interface with many of the industry's PSA software suites. A paper about the use of SM-UNCERT at San Onofre was recently presented at the PSA'08 topical meeting.

Please contact us for more information about any of these products, or any plant-specific software development needs you may have.