



CIRCLE is delighted to present
a 4-day Technical Seminar

on

"HOW TO TUNE CICS USING CTREK™"

WHEN: MARCH 14, 2011, JUNE 20, 2011
& OCTOBER 3, 2011

WHERE: CLASS HOURS: 9:00 A.M. TO 5:00 P.M.

MARCH 14, 2011

HAMPTON INN PHOENIX-AIRPORT NORTH

601 North 44th Street
Phoenix, AZ 85008
Tel: 602-267-0606

JUNE 20, 2011

HOLIDAY INN EXPRESS GOLDEN VALLEY

6020 Wayzata Blvd
Golden Valley, MN 55416
Tel: 763-545-8300

OCTOBER 3, 2011

CIRCLE'S CORPORATE OFFICE

65 Willowbrook Blvd
4th Floor
Wayne, NJ 07470
Tel: 973-890-9331



RSVP:

Enrollment on-line at www.circle-us.com under
Education Tabs look for **TCSM** class code. This
Seminar is under the **CICS** category or Call the office
at **(973) 890-9331**.

PRICE:

4-Day Technical Seminar for \$1,495

AGENDA ATTACHED



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Specialist in Mainframe Technology



Circle Software, Inc.

A member of the Fundi Group

HOW TO TUNE CICS USING CTREK [TCSM]

Learn how to tune your CICS regions effortlessly using the only Performance Tool C\TREK™ with a problem determination reports and online screens. In this seminar, you will understand the importance on tuning your CICS environment. This will help your company save CPU cycles and in the end money as well. Take this seminar and find out the best kept secret in the industry. The tuning recommendations gathered throughout this seminar are useful whether you have C\TREK™ installed or not.

SEMINAR SYNOPSIS

INTRODUCTION TO PERFORMANCE TUNING

Introduction; Tuning and Tuning Trade Offs; What Is Response Time?; Types of Waits; What Affects Response Time; Constraints; Review

USING OPERATING SYSTEM INFORMATION TO TUNE CICS

Introduction; Checking the MVS (z/OS) Virtual Storage Availability; CICS Et Real storage; How is the CPU Treating This CICS Region?; Other MVS (z/OS) Areas That May Affect CICS - VTAM, Auxiliary Storage Manager (ASM), DFHRPL Extents, TIOT Used Storage; Recommendations

TUNING PROCESSOR CYCLES

Introduction; File Control Tuning - LSR Pools, NSR Files, FOR Regions, Journaling, VSAM; SIT Parameters and Other Specifications; Temporary Storage (TS)/Transient Data (TD); Program Manager; Operating System; Application Tuning; Recommendations

TUNING REAL STORAGE

Introduction; Operating System and Real Storage; VSAM and Real Storage; CICS Options to Control Real Storage Use; Recommendations

TUNING VIRTUAL STORAGE

Introduction; Operating System; VSAM; CICS; Tuning VS (Above the Line Et Below the Line); Recommendations

CICS TRANSACTION CONTROLS

Introduction to Transaction Controls; Defining the MXT Parameter; Using TCLASSes to Control Resources ;Setting the ICVR ; Should You Use DTIMOUT Et SPURGE?; What is RTIMOUT?; Transaction Priority Et PRTYAGE; Transaction Isolation; Other Transaction Definitions; Recommendations

TUNING NSR FILES

Introduction - Advantages of LSR, Advantages of NSR; NSR File Definition - Defining the Number of Strings, Defining the Number of BUFNDs, Defining the Number of BUFNI; NSR Buffer Definition; NSR Performance - Why Do You Want Extra BUFNDs?, Why Do You Want Extra BUFNI; Calculation of BUFNI for an NSR File; Recommendations

TUNING LSR BUFFERS AND FILES

Introduction; LSR Tuning Areas; POOL Definition; LSR Pool Measurement; Overlooked LSR Tuning Areas; LSR Pool Candidates; Closing



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● TUNING VSAM FILES

Introduction; VSAM Definitions; CA Size; Share Options; KEYRANGES; IMBED/REPLICATE (Obsolete); SPEED vs. RECOVERY; WRITECHECK; ERASE; DASD Space- Over/Under Allocation of Disk Space, HARBA, HURBA; Track Utilization; Free Space - CI/CA splits, CI Size - Data, Index (Key Compression & Index Levels), Time Stamp; SIT CILOCK=YES|NO Parameter; Processing Options - Browsing, Alternate Indices, Data Tables; Recommendations

● TUNING THE VSAM INDEX CISZ

Introduction; Defining the Index CI Size; Index CI Size Considerations; Estimating the Default Index CISZ; Other Considerations; Recommendations

● REVIEWING THE VSAM FREE SPACE ALLOCATION

Introduction; CI/CA Splits; CI Free Space; CA Free Space; General Recommendations for VSAM Free Space

● QUESTIONS AND ANSWERS

SEMINAR OBJECTIVE

Each delegate should be able to:

- Understand why we tune.
- What areas in a CICS region are potential problems and help identify them
- Discuss the delegates needs in their environments
- Understand what C\TREK is.
- How C\TREK can help tune your CICS regions little effort.
- Learn what type of reports are created for your use and how to use them with C\TREK .

SEMINAR DURATION

4 Days.

SEMINAR COST

\$1,495.

EUGENE S. HUDDERS

Mr. Eugene S. Hudders (Gene) has over forty-five years of professional experience in the Management and Information Technology fields, specifically related to IBM operating systems such as MVS, and transaction processing systems such as CICS. Mr. Hudders started his data processing career as an IBM Systems Engineer. He held different positions within IBM until 1975, when he became Branch Manager of IBM PR at 30 years of age, being the youngest manager in occupying this position. He was recognized at IBM by having exceeded the sales quota established in at least ten occasions and by his leadership and technical experience. During most of his career Gene has specialized in Capacity Planning, performance and tuning and problem determination and resolution for operating systems and CICS.

He has written many technical books and publications such as: *VSAM: Guidelines to Optimization and Design* (QED Information Science, Inc.), *CICS/MVS: A Guide to Application Debugging* (QED Information Sciences, Inc.), *VSE/SP and VSE/ESA: A Guide to Performance Tuning* (QED Information Sciences, Inc.), *CICS: A Guide to CICS Performance Tuning* (QED Information Sciences, Inc.), *CICS: A Guide to Internal Structure* (QED Information Sciences, Inc.). In addition, Mr. Hudders has written several articles that have appeared in the Enterprise System Journal (formerly the Mainframe Journal) and the z/Journal. Some of the articles are "DASD Write in Check Operations", "VSAM Space Allocation", "Tuning LSR Data Sets" and "Tuning NSR Data Sets", among others. In addition, he has given conferences to several CICS User Groups and has presented papers at the Computer Measurement Group and made presentations at SHARE. He is currently the CO-Chair of the SHARE CICS Project.

Currently, he is the President of C\TREK Corporation. During his professional career, Gene has received several awards: **Executive of the Year 1988** by American Business Women's Association PR, **Distinguished Information Sciences Award Information Technology Services Sector 1997, 1996**, and in **1999 Lifetime Achievement Award** by Data Processing Management Association (DPMA). In **2001 Entrepreneur of The Year Finalist Award** by Ernst and Young.

Mr. Hudders has a BA, Summa Cum Laude in Business Administration from Inter American University, 1965.
