



RACF - LEVEL III ADMINISTRATION, AUDIT, AND COMPLIANCE

COURSE DESCRIPTION

This course is designed for seasoned RACF administrators, technicians, auditors, and compliance monitors seeking to improve RACF protections for critical system resources. This technically-rich course will show you how to implement, remediate, and review complex controls for CICS commands and resources, TSO authorities, programs, and data storage management functions. Attendees will learn the details and interrelationships of controls for system operator commands, JES2, and SDSF. They will also be introduced to RACF Health Checks and techniques for maximizing RACF performance. As in all RSH training, attendees will examine reports from their own system to understand how their RACF is uniquely configured and identify opportunities for improvement.

DURATION

3 Days -or- 5 Half-Day WebEx Sessions

WHO SHOULD ATTEND

- **RACF Administrators and Technicians** looking to enhance RACF protections for system resource
- **IT Auditors and Compliance Monitors** seeking to perform more technically detailed control reviews

WHAT YOU WILL LEARN

- CICS SIT parameters governing all security options
- Controlling CICS internal IDs using SURROGAT profiles
- Protecting critical system operator commands
- Controlling batch job execution and output
- Inbound and outbound NJE transmission controls
- Protecting SDSF functions using RACF
- Essential program protections
- Data storage administration without OPERATIONS
- Controlling sensitive TSO authorities
- RACF Health Checks usage and benefits
- Effective use of RACF performance options

PREREQUISITES

Completion of either RSH's [RACF Level II Administration](#) or RSH's [RACF Audit and Compliance Roadmap](#) plus one year of RACF administration or auditing experience.

INSTRUCTOR - ROBERT S. HANSEL

Mr. Hansel has worked with RACF since 1986 as an administrator, auditor, consultant, and trainer. He is a prominent speaker on RACF audit and technical topics at conferences and user groups throughout the U.S. He has audited over one hundred RACF implementations.

COURSE OUTLINE

1. RACF Overview and Refresher
 - a. RACF components and configuration
 - b. Access authorization process and logic
2. CICS
 - a. Systems Initialization Table (SIT) parameters
 - b. XUSER parameter and SURROGAT profiles
 - c. X-parameters and resource protection
 - d. XCMD parameter and SPI command security
 - e. Bind, link, and attach security
3. Operator Command Controls
 - a. PARMLIB console configuration
 - b. CONSOLE class profiles
 - c. OPERCMDS class profiles
4. Job Entry Subsystem 2 (JES2) Controls
 - a. Submitter, job, and resource tokens
 - b. Batch ID assignment and controls
 - c. SURROGAT and PROPCNTL profiles
 - d. JESINPUT job entry controls
 - e. JESJOBS job name and job modify controls
 - f. JESSPOOL output access controls
 - g. WRITER print and routing controls
 - h. NJE NODES profiles and RACFVARS & RACLNDE
5. System Display and Search Facility (SDSF) Controls
 - a. ISFPARMS
 - b. SDSF and GSDSF class profiles
 - c. Use of WHEN(CONSOLE(SDSF))
 - d. Destination operator authority and controls
6. Program Protection
 - a. PROGRAM class profiles
 - b. Maintaining a 'clean' program environment
 - c. Definitions required for z/OS Unix
 - d. Enhanced program protection
7. Data Storage Administration Controls
 - a. OPERATIONS authority
 - b. DASDVOL profiles
 - c. FACILITY STGADMIN profiles
 - d. ISMF program protection
 - e. DFSMS/hsm considerations
8. TSO Configuration and Controls
 - a. PARMLIB IKJTSOxx parameters
 - b. TSOAUTH authorities and related commands
9. APPL and VTAMAPPL protection
10. RACF Health Checks
 - a. Running and analyzing reports
 - b. XFACILIT HZS profiles
11. RACF Performance Tuning
 - a. Global Access Table
 - b. Resident Data Blocks
 - c. GENLIST, RACLIST, and RACGLIST
 - d. RACF Sysplex data sharing
 - e. Virtual Lookaside Facility (VLF)

To register for public courses or find out more about how RSH Consulting can help you better secure your system, call us at 617-969-9050, email us at info@rshconsulting.com, or visit our web site at www.rshconsulting.com.