



We are using IBM's Latest Server  
**IBM z/OS V1R13**

**PMS Information Systems**  
We make *IT* simple



## **CICS for Application Developers**

### **Introduction to CICS**

- CICS Overview
- CICS Application Development

### **CICS Commands**

- CICS Processing
- Command Basics
- RECEIVE & SEND Text
- ASKTIME & FORMATTIME
- Compile & Link Editing

### **Basic Mapping Support**

- Basic Mapping Support
- Screen Development
- Defining a MAPSET
- Defining a MAP
- Defining BMS Fields
- Attribute Lists
- Assemble Maps
- Testing Maps Using CECI

### **Program Basics**

- Types of Programming
- Execute INTERFACE BLOCK
- Exception Handling
- SEND & RECEIVE MAP
- Returning Control
- Terminal Control

### **CICS Program Construction**

- WORKING-STORAGE Section
- Symbolic Map
- Attribute Fields
- AID Fields
- LINKAGE Section
- EIB Fields from Translator
- Program Control
- First Time Processing
- Request Processing
- Data Validation



We are using IBM's Latest Server  
**IBM z/OS V1R13**

**PMS Information Systems**

We make **z/T** simple



Operator Error Processing  
Final Processing  
Program Structure Chart

### **Program Control**

Application Framework  
Control Transfer  
Passing Data Between Programs  
LINK & XCTL Commands  
CALL Statement  
Static & Dynamic Calls  
Application Controls  
LOAD & RELEASE Commands

### **Testing & Debugging**

Native Commands  
CECI  
Execution Diagnostic Facility  
CEMT Command

### **File Control**

VSAM Files  
READ & Browse Commands  
WRITE & REWRITE Commands  
UNLOCK Command  
DELETE Command  
Locking and Performance  
Exception Conditions

### **Temporary Storage & Transient Data**

Temporary Storage Concepts  
Temporary Storage Commands  
TS QUEUE Management  
CEBR Command  
Transient Data  
Concepts  
Intrapartition Destinations  
Extrapartition Destinations  
Transient Data Commands  
TD QUEUE Management

### **Abnormal Termination**

ABENDS



We are using IBM's Latest Server  
**IBM z/OS V1R13**

**PMS Information Systems**  
We make **z/T** simple



Unexpected ABENDS  
Controlled ABENDS

### **Database Access**

DB2  
IMS  
IDMS

### **Task & Interval Control**

Task Control  
SUSPEND Command  
ENQUEUE/DEQUEUE  
Interval Control  
DELAY, START, RETRIEVE, and CANCEL Commands  
Common Exception Conditions

### **Recovery**

Recovery Mechanism  
Recoverable Resources  
Logical Units of Work  
SYNCPOINT  
Dynamic Transaction Backout