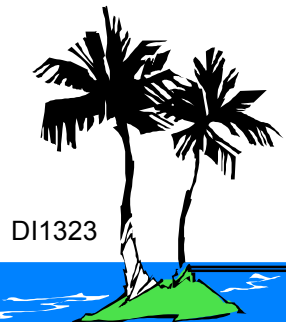


1998 DI USERS GROUP

DataInterchange and SAP

John Hatfield
IBM IMD



DI1323

DI/EDI RIDE THE WAVE!

John Hatfield - IMD Employee

Currently Installed SAP 3.1H (Started In 1995 at SAP 2.2F)

DataInterchange 1.05 with Y2K fixes

Current Transaction Set

Sales - 850/855/860/865/832/846

Purchasing - 850/855/860/865/830E

Finance - 810 Inbound/Outbound, 820 Inbound

Receiving - 856 Outbound

EDIFACT Transactions for All the Above

In Development

Sales - 830E, 862



What is IBM IMD?

We Make Semiconductor Devices for IBM and Outside Customers

Memory

ASIC's

Blue Logic

Microprocessors (Power PC and x86)

Other Stuff (Set-Top Box, MPEG-2, Wireless Communication)

Billion Dollar Business

Locations in Burlington VT, Fishkill NY, Endicott NY, Vimercate Italy, Yasu Japan, Bromont Canada, Essonnes France

<http://www.chips.ibm.com>



DataInterchange Usage

Mainframe Legacy System

Written At IBM - 1992

Year 2000 Death

Used within IBM

First Level of Support IGS

Second Level Support 1-800-237-5511 (Option 4 - MVS)



MVS Strengths

Archiving Data

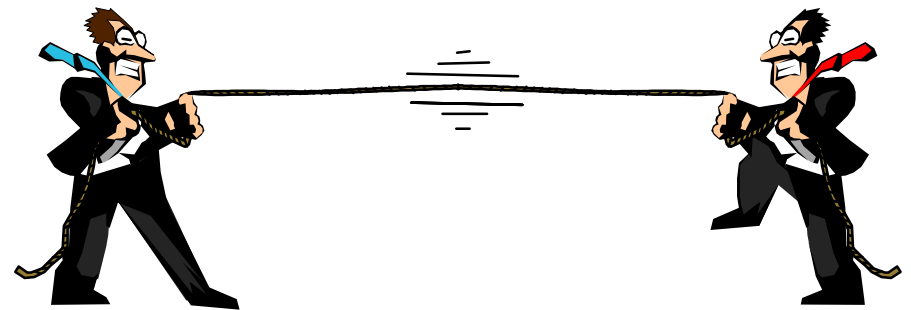
OPC for Job Scheduling/Triggering

Generation Datasets

Can Restart Jobs

24 Hour Monitoring

Well Known Environment



SAP

State of the Art Client/Server System (R3)

International Support/Usage

Addressed the Need for a Complete Order Fulfillment System

Very Flexible



IDOC Basics

Intermitted Document (IDOC) is the support way in and out of SAP

Over 140 IDOCs with base SAP 3.0 System

Can customize/change/extend IDOC's

User Exits Allowed For

On Line Documentation with SAP 3.0 System



Design Points

Single/Multiple Ports In/Out Of SAP

Frequency Of Pick Up/Drop Off

Control Reports/Responsibility

Translator/Program (MVS or SAP) For Changes

Status Usage for IDOC Monitoring



Data Transfer

FTP

Currently In Use

Record, Byte and Hash Total Used

Stable In Production

MQSeries

Switching To

No Record, Byte or Hash Total Used

Support Issues

Programming Cost



SAP Features

Turn Around Utility

WE19 For Inbound Edits

Workflow For Inbound Processing

Three Levels of SAP Workflow for Error Handling

Online Documentation

Status Changes from EDI Translator



Lessons Learned (SAP)...

MaxSynErr Value (Cumulative Per IDOC(s) File)

SAP Client Name in IDOC

SAP Client Number in IDOC

IDOC Segments Must Be Numbered Sequential

Unable to Repeat Output of PO Changes

Test New Releases of SAP



Lessons Learned (DI)...

For Received Transactions

- Only Segments Used Are Examined

- Must Code Control Record

- Must Code First 55 bytes of all Data Segments

For Send Transactions

- Looping To Find Information (ITD Segment)

- Use REF Segments To Access Information

- Map Every Segment to a Dummy Variable (Saves Error Messages)

EDIFACT

- QDATAE used unless you override



Lessons Learned

Break Jobs Into Steps for Easier Restarts
(Receive, Translate, Send Back 997's, Send IDOCs
to SAP)

SAP Shared Folders for Reports



Summary

Data Interchange Can Be Used

SAP IDOC Just Another Format

Testing Very Important (Development)

Usage of Status for Effective Business Control

