



Z390



Martin Trübner
Pi-GmbH

14.8.2007 16:30
8191

Assembler Project



Intro



- This PPT has a soundtrack- so please switch on the speakers now
- Use the left mouse to go from foil to foil **but** sometimes you have to click on an item on the foil
- The webpage of the product used here is
 - **www.Z390.ORG**

Yes, this is a little different to the foilset used in the presentation simply because I only had 12 hours notice



SHARE
San Diego, California
August 12-17, 2007
Manchester Grand Hyatt



start

Z390

ASM

View from a happy **USER**

Martin Trübner Email MARTIN@pi-sysprog.de



Z390 from a user point of view



Why should you care



Who is this



Where are we



What happened



How was it solved



Conclusion



Z390 from a user point of view



Why should you care

- **Good way to preserve knowledge and techniques available in HLASM (or in BAL)**
- **Write once, run everywhere now also in HLASM flavour**
- **Do I need to sell this? you are bigots anyway!**

Z390 from a user point of view



Who is this

- **Martin Trübner**
- **From Langen Germany**
- **Since 1971 in EDP – „born and raised“ with MVT, then converted to DOS now colourful (most CICS)**
- **Email: martin@pi-sysprog.de**

Click to see the [route](#)

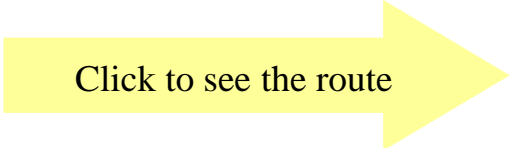
Z390 from a user point of view

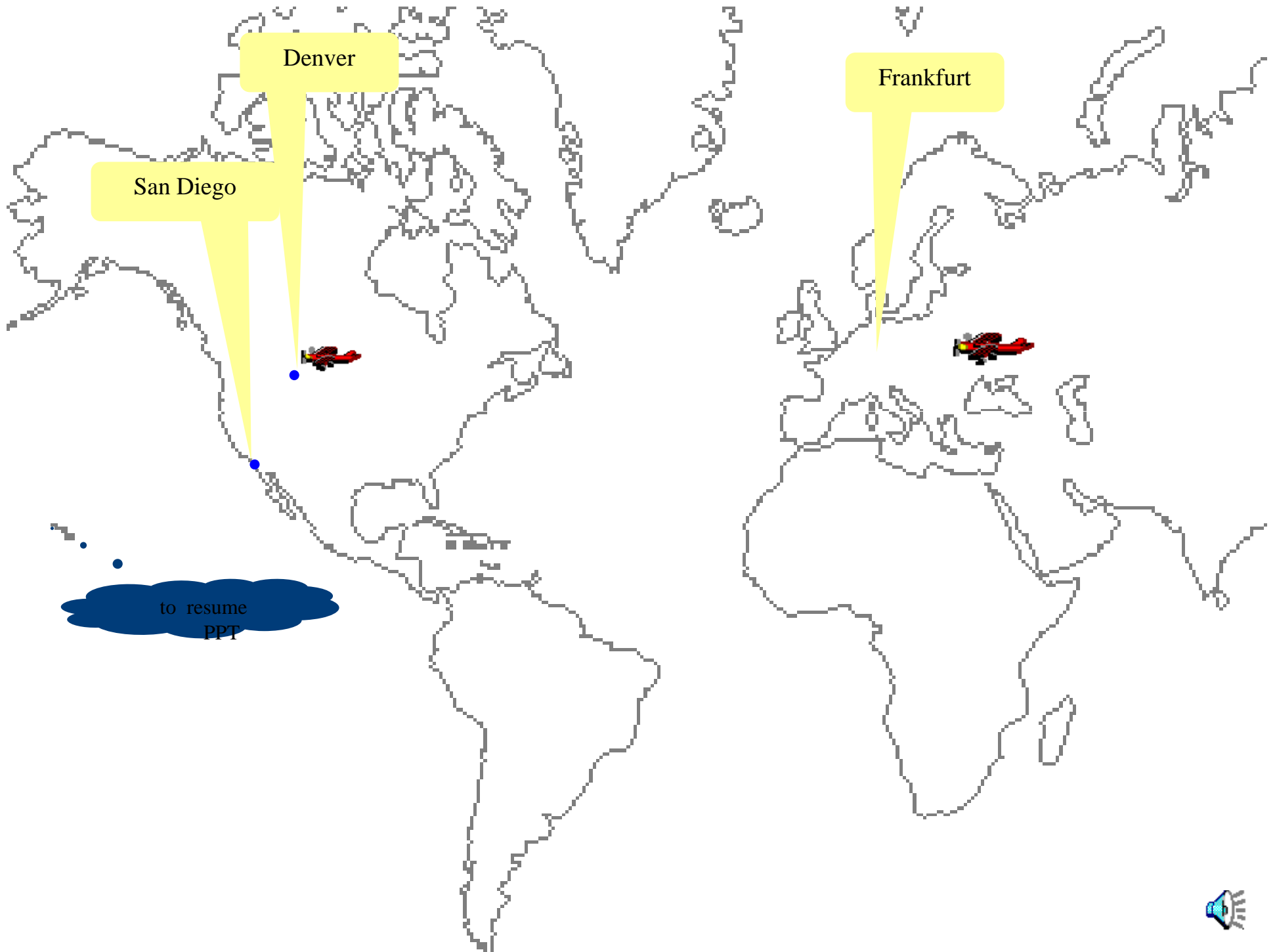


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Click to see the route





Denver

San Diego

Frankfurt

to resume
PPT



Last chance to resume regular presentation

Click this cloud PPT

Fieldgenerator (from scratch) for XML2PDF version 1.1.9

Please select a PDF-file for use as template

PDF-File:	<input type="text"/>	Durchsuchen...	enter
	x2pflowe.PDF	extract fields in PDF as base	<input type="checkbox"/>
	list of defined fonts in the PDF		
	F0		

1. Select the pdf
 2. create new fields
 3. verify + correct positions
 4. Accept PDF (with generated fields)
- ready for field additions or alterations

Fieldname,font.size,xy,f	
to remove field clear all but the name selected or to_be_created field:	
<input type="text"/>	----> enter

names	this	s
or below shows what will be used finally		
	v. all xxx	

clean up

[Click to resume](#)

Das sind Sie- oder?



Oben ein Bild von SYSB

Sie arbeiten im CICS des KRZ Eichstätt

Applid= DBDCCICS

Thumbnails

Signatures

Bookmarks

Firefox Support
http://forums.mozillazine.org/viewforum.php?f=38

Kath. Kirchensteueramt Würzburg

Steuernummer [REDACTED]
- Bitte bei allen Zahlungen und Zuschriften angeben -

97070 Würzburg
Plattnerstraße 14

Telefon: 0931/386-303/
FAX-Nr.: 0931/386-337

Kath. Kirchensteueramt Würzburg, Postfach 11 04 43, 97067 Würzburg

Sozietät
[REDACTED]
Kollegen
Steuerberater
[REDACTED]

Finanzamt : Obernburg

Konfession : RK/EV

Bescheiddatum : 13.12.2006 1

Kirchensteuerbescheid 2005

Betr. Herrn [REDACTED]

A Berechnung und Festsetzung der Kirchensteuer

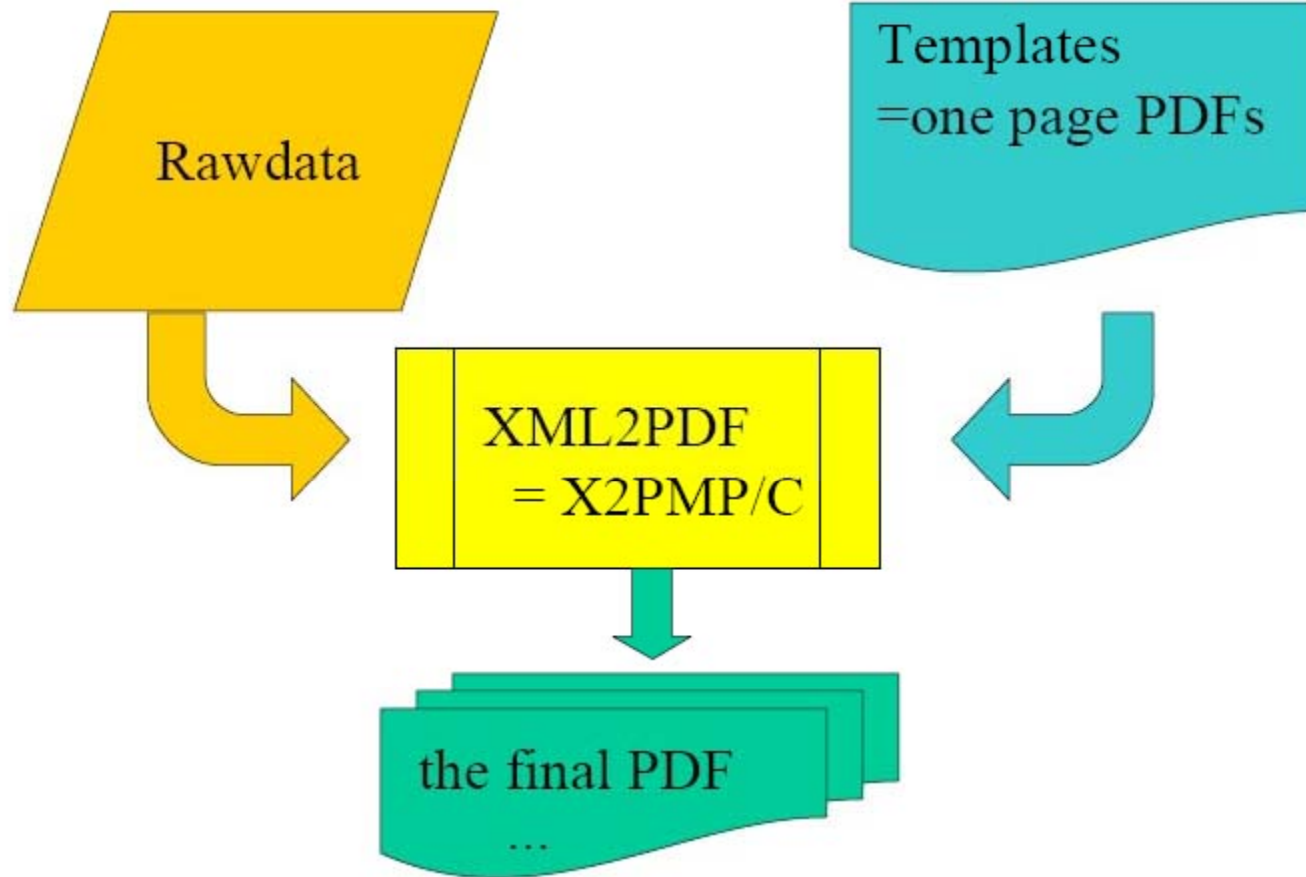
Der Anteil des umlagepflichtigen Ehegatten errechnet sich im Verhältnis der Einkünfte der Ehegatten
lt. Einkommensteuerbescheid unter Hinzurechnung der Halbeinkünfte.

Einkünfteverteilung	RK-Steuerpflichtiger	Ehegatte	Gesamtbetrag	Anteil %
Einkünfte	74.035	3.931		
Halbeinkünfte	9	0		
Summen	74.044	3.931	77.975	94,96

Bemessungsgrundlage lt. Einkommensteuerbescheid 12.970,00

with or without "XML": SPOOLer queue
REXX (i.e. for page selection)
pure "XML":from PGM (in CICS or Batch)
pure "XML":from MQ (i.e. for central stored templates)
"AFP"-DS
"AFP"-API

any tool will do
i.e. Powerpoint EXCEL or WORD or OPEN-OFFICE
output as PDF
ready
but: there are differences
PULL-templates



in a file, PDS(e),HFS
(VSE)in a LIBR-member, in Space-getvis for FTP
in Memory (i.e. in CICS for a EXEC CICS WEB SEND,
or storage with own information)



Z390 from a user point of view



Where are we

- Produces PDFs on the mainframe
„XML2PDF“

One sample

flow of control

- The blue spot is where X2PFG comes in
- Creates templates for use with the product
- Runs on CICS/TS (both op-sys) utilising WEB-INTERFACE

Here is how it looks

Z390 from a user point of view



- **What happened**
 - **Prospect wanted it for PC-only (no problem because of PC370) but insisted in X2PFG available there too.**
 - **....., but lots of knowledge in a BIG HLASM subroutine**
 - **At the same time Don approached me for VSE-macros for Z390**

Z390 from a user point of view



How was it solved

- Installed Z390
- Compiled HLASM subroutine
- Wrote trivial „TEST“-drivers
- Developed REXX code (as replacement for the COBOL-Mainline)

For what happened during first 4 days of conversion see next foil

During development

- Tricky SETC constructs („execute-literal“)
- TROO has (now) an optional third operand
- SRST with just 2 regs (SRST R0,R1)
- PARM not addressed as in z/OS or z/VSE

All resolved within hours

Z390 from a user point of view

Conclusion

This is the product to

- **preserve HLASM programs for use**
- **Make the knowlege in these programs available to any JAVA platform**
- **I highly recommend it**

