

Organization

V Vytotsky

GE-BTL &
Hardware

GE-BTL-MAC
Trionvits

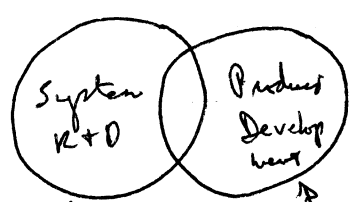
responsible

Control Software System

- E. Vance
- FSC
- VAV

- GE
- MIT
- BTL

Other software will be done individually (USB, UPAK, etc.)



64 ch keyboard card reader + GE 115 (1401-type) Data Cells

Hardware

Supporting
635
IBC
DS20

MULTICS
645, GIAC, DS-25
MSU2, Data Disk
TTY 37; 1050

non standard
Cyrillic IZP
TTY 35
Datasec
Console switching

Software

636
645 Simulator
EPL/I
GOCPS I, II
BSA I, II

Supervisors, file system
Standard I/O adaptation
Mem. Condition, GOCPS III
BSA: Subroutines + Commands + SHOLL; debugging tools, editor
PL/I (Some compiler)

MAP, ALGOL FORTRAN II command
LIST AND BSAII SYMBOL CASEL ACPAK
LPL's, BELLAmentle, Scheduling facilities
Accounting routines, graphic output

Documentation

Design Notebook
636 description

645 Prog Ref Manual
645 System Prog Manual
BSA Tutorial
PL/I " "
MULTICS Prog Manual
Operation Handbook
+ Specif Documents

↑
non standard

GE will document, maintain, market, then column

Notbook procedure (FSC)

System Notbook

stored in 7094

all info in it is approved by Trevinick (common)

Contains correct, how to do, info.

Does not argue out why done this way.

In charge: Vance (GE)

Conventions as set (Editing)

Dated, By hand

Single distribution pattern

Presently have to put in.

- 1 Character set definition
- 2 Call & Return ~~word~~ usage
- 3 Table of conversion
- 4 Definition of Procedure.

Urgent Documentation needs

- Newman -

- | | | |
|---|--|----------------------|
| ⊗ | 0. System Notebook procedure | FJC * |
| ⊗ | 1. Technical Diagram | BGN/ELG |
| — | 2. Tutorial BSA | Melee |
| — | 3. " PL/I | Tague |
| — | 4. BSA ↔ PL/I linking | " |
| → | 5. How to write subroutines + Commands | FJC * |
| → | 6. Standard library Commands + Subroutines
↑ what is available; not complete spec.; shell conv. | FJC* → Glasser. |
| → | 7. Standard System Subroutines. | FJC* → GS. |
| ⊗ | 8. Conventions | VAU, FJC, RMG/Graham |
| — | 9. Console Desc. | Joe Ossana |
| — | 10. Diagnostics to on-line operator.
Floor Supervisor | FJC. |
| ⊗ | 11. Tuner Structure | VAU RMG |
| | 12. C.45 Reference | GF (Vance) |

⊗ Critical: by July 12

— hen Pressing

→ ASAP

- 6.36 effort -

(FTC)

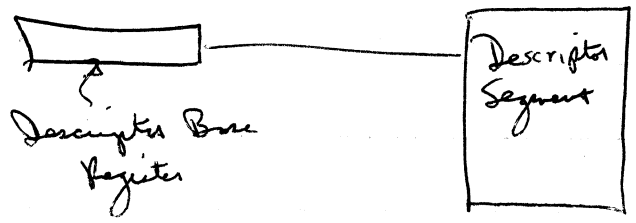
Dates

1. GE under BSA + SIM eval process 8/1/65
2. 6.36 under for GE 9/15/65
3. non expect MIT user user it
successfully 10/1/65
4. BTC non-expect 10/8/65

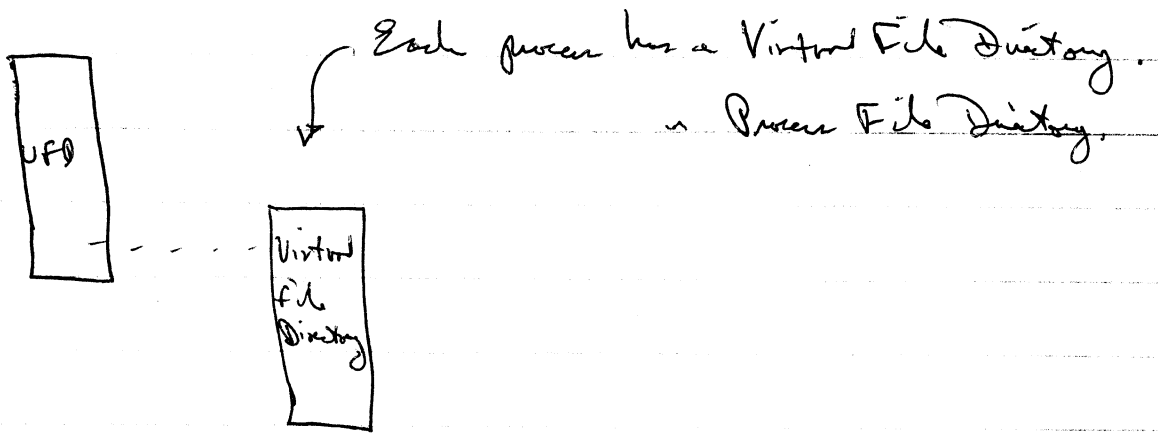
B Projects.

File System - FSE - Known

Global VAV



A "Process" runs from login to logout, and is associated with a Descriptor Segment.



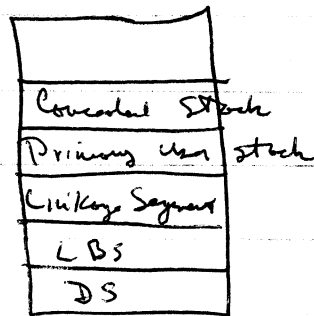
Segments

Bounded ≤ 256 pages guaranteed \rightarrow can be used as a segment.

UnBounded maybe any size. \leftarrow may not work as a segment.

\rightarrow requires using a word window which is movable by expressions calls. in order to reference as a segment.

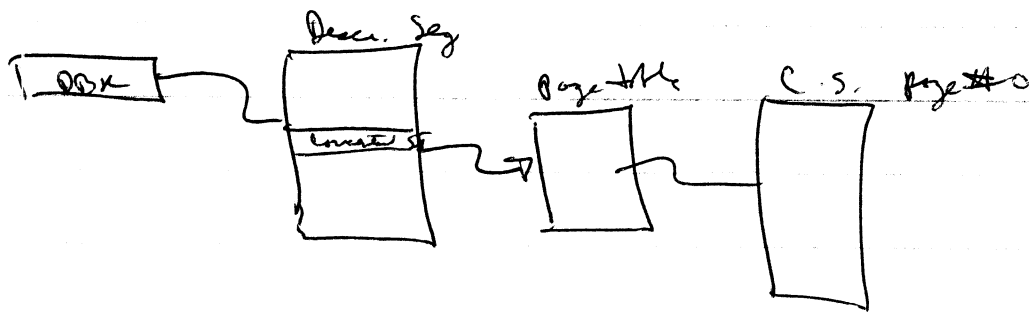
In Descriptor Seg - Description



A page of conceded stack is locked in core while process is running.

A "Blocked" process is dumped into Conceded stack.

To start a new process, minimum info is



Process Trap - caused by the process - divide check, etc.
Trap to the process.

System Trap - not chargeable to the process.
There is a separate process for each "System Trap"

Why page faults

(Also segment faults)

1. Page exists, belongs to proc, not in core: go get it.
2. Page doesn't exist " " " manufacture it.
3. Page doesn't exist + user will - give dejected.
4. Page exists, access denied temporarily.

FV 2

Seg not linked

Word not linked

Both (use or say)