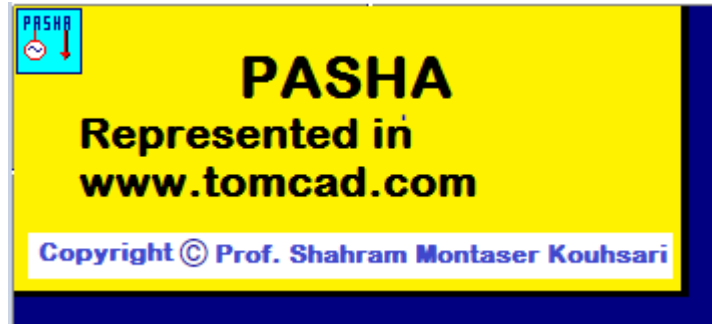




APPENDIX A

Hardware and software considerations

This appendix contains information on the computer hardware and terminals that have been used to run PASHA. The maximum dimension of the current version of your PASHA is also described in this appendix.

A.1 Types of computers

Please refer to chapter 1 section 1.3.

A.2 MONITOR

PASHA has been structured in a way that allows the full facility to be accessed on all terminals. However as it is a CAD software which uses extensive graphic facilities it is recommended to use with high resolution terminals with large screen as recommended in chapter 1.

A.3 Limitation

The limitation on the internal arrays of PASHA depends on the client order. Currently mostly ordered PASHA software is 1800 busbars and 120 busbars. Huge version will be an especial order that may go up to 5400 busbars. More busbars may be asked for, but will be limited to the computer RAM.

The limitation imposed will be differing for the closely interconnected power systems (electrical design of power stations, large industrial systems, refineries, oil platforms, etc.) and the large interconnected power system network.

The limitation that is supplied in your version of the PASHA is shown in the next page.

A.4 Limitation set on your package**Maximum;**

Number of graphic symbols: **12500**

Number of busbars: **1800**

Number of synchronous machines: **399**

Number of interconnections: **2290**

Number of transformers: **650**

Number of induction motors: **450**

Number of UDEM elements: **50**

Number of UDEM modules in each run: **9**

Number of overcurrent relays: **5580 PHASE + FUSES+MCCB, 5580 EARTH**

Number of unit protection relays + Number of distance protection relays: **1950**

Data base, In each folder: **n*60** where **n** is the PASHA components like lines, generators, etc.

Number of windows (areas): **251**

Number of circuit breakers: **5580**

Number of especial components like SVC, Arc furnace: **12**