

ACM ICPC Mid-Atlantic Region Site Requirements

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The purpose of this document is to define the requirements that each site must comply with in order for the ACM ICPC Mid-Atlantic regional contest to operate fairly and smoothly in the area of computer systems and information technology.

Any questions about this document or the requirements listed here should be directed to Joe Gleason (fireduck@gmail.com).

Definitions:

PC² – The PC² contest control software, available from <http://www.ecs.csus.edu/pc2/>

Site – A university where teams will come to compete in the competition.

Site Admin – The person or people at each site responsible for actions related to PC² during the contest or practice sessions.

Workstation – A computer which will run PC² for use during the contest by a team, a judge or a site admin.

IDE – Integrated Development Environment, a program or set of programs that provides the user with an editor for writing code, syntax help, debugging, compilation and testing in a single integrated environment. Examples: Eclipse, Visual Studio.

PC²

PC² version 9.1.3-1899 must be used. It is available from <http://www.ecs.csus.edu/pc2/>.

Compilers

All workstations must have a GNU C compiler (GCC) 3.3.3 or later.

All workstations must have Sun Java Development Kit 5.0 (aka 1.5.0) or 6.0 (aka 1.6.0).

The following executables should be in the path and use the compilers listed above:
make, g++ gcc, java, javac

Editors/IDEs

Contestants will have access to Eclipse IDE.

Printing

All teams must have the ability to print. Printouts must have the team name or number, page numbers and filename on each page printed.

Note: these print requirements can be easily met using the program 'a2ps' and a simple shell script if the site has postscript compliant printers. Printouts must be brought to teams that printed them expediently.

Note: sites that use an accounting/billing system on their printers should check to ensure that teams will not have problems printing in this environment.

Network

Workstations may be on public or private IP addresses as long as they can make outbound TCP connections to 69.31.13.207 ports 50000-60000. All workstations should be able to reach DNS servers, print and optionally use NTP. All other IP traffic should be blocked on the day of the contest.

Site servers

We will no longer be using site servers at each site. We will host all site servers in a data center to ensure that we will have no inter-site communication problems.