

# Run Submission Interface 2014

From ICPC-Contest Control Standard

Jump to:[navigation](#), [search](#)

## Contents

- [1 Test Mode](#)
- [2 Run Submission Interface](#)
  - [2.1 Run Submission Command Line Parameters](#)
  - [2.2 Timestamp Handling](#)

## Test Mode

The CCS must be capable of running in two modes: Test mode and Real mode. When running in Test mode, the CCS must display prominently on every client a notice that it is in Test mode.

## Run Submission Interface

The CCS must provide a mechanism by which team submission of runs can be scripted for automated testing. In other words, the CCS must provide a command-line based interface allowing an external program to submit a run to the CCS.

The command-line run submission interface must provide mechanism for specifying all parameters that would be specified by a team utilizing the corresponding interactive interface, including that the command-line interface must accept and perform validation of user credentials before accepting a run.

The requirements of this subsection are intended to provide a method by which the World Finals Director of Operations can perform automated testing on the CCS during the [Certification Process](#). The CCS implementers should assume that the scriptable run submission interface will be invoked multiple times in rapid succession, with arbitrary parameters, by external scripts; care should therefore be taken by the implementers to avoid any design or implementation characteristics which limit or prohibit the ability of an external [Test Harness](#) framework to operate in this manner.

## Run Submission Command Line Parameters

At a minimum the run submission command line interface must implement the following switches:

```
-p <problem short-name>
-l <language name>
-u <team id>
-w <team password>
-m <main source filename>
-t <contest-time (in ms) for submission>
-i <run id>
```

Options -p, -l, -u, and -w are mandatory for all submissions. The switch -m is only required if needed by the language set using -l. The -t and -i switches are optional. The CCS may implement additional

switches.

The CCS may assume that runs submitted via the [Run Submission Interface](#) which contain the -t parameter will be submitted in increasing timestamp order.

## Timestamp Handling

When the CCS is running in [Real](#) mode and receives a run via the Run Submission Interface, any timestamp provided via the -t parameter must be ignored and the CCS must apply a timestamp to the submitted run as specified in the section describing [timestamps](#).

When the CCS is running in [Test](#) mode and receives a run via the Run Submission Interface containing a timestamp specified with a -t parameter, it must use the timestamp specified by the -t parameter in the run as the timestamp for the run, as long as it is higher than any previously assigned timestamp, regardless of the current actual time.

Retrieved from

"[https://clics.ecs.baylor.edu/index.php?title=Run\\_Submission\\_Interface\\_2014&oldid=1738](https://clics.ecs.baylor.edu/index.php?title=Run_Submission_Interface_2014&oldid=1738)"

## Navigation menu

### Views

- [Page](#)
- [Discussion](#)
- [View source](#)
- [History](#)
- [PDF Export](#)

### Personal tools

- [Log in](#)

### Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

### Search

### Tools

- [What links here](#)

- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)



- This page was last edited on 31 December 2013, at 16:05.
- Content is available under [Creative Commons Attribution-ShareAlike](#) unless otherwise noted.
- [Privacy policy](#)
- [About ICPC-Contest Control Standard](#)
- [Disclaimers](#)