# December 2010 WGC New Feature: Time in System

- 'Heart beat' added to the student experience that monitors student login and logout time (*Time in System*) and better monitors student start and end task time (*Time on Task*). This new heartbeat improves accuracy of the reported *Time in System* and *Time on Task*.

- Added login and logout time details [aka *Time in System*] to the *Total Time on Task* report

- *Total Time on Task* includes the total time each student has spent on lesson and assessment activities across all sessions. *Total Time in System* includes the total time that each student has spent logged in to ITTS, GED or Pre-GED.

- *Time in System* was not recorded prior to approximately 3:00 PM 12/17/2010 and time prior to 12:01 AM 12/18/2010 is not displayed in the *Total Time on Task* report. A warning about this has been added to the tab.

# January 2011 WGC Updates: Time in Reports

## New Features

Time display updates for reports and exports:
- The new time display format introduced for the *Total Time in Task* report in Dec 2010 was also included for the *Lesson*, *Student Assessment* and *Class* reports. These updates add precision in all reports and improve the rounding for *Time on Task* and *Time in system.*
- All reports now display time to the second.
- Exported reports now display time to hundredth.
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- Reports display date time as 1:00 PM and exports display date time as 13:00 [user needs to format data in Excel if they want the export time to display in a different format].
- Reports display time as 0h 00m 00s and the exports display time as 0.00 [user needs to format data in Excel if they want the export time to display in a different format].

- Due to the Dec 2010 updated, The *Total Time on Task* (TToT) report now displays time in minutes instead of in hours to the tenth decimal.
- Due to the latest Jan 2011 update, exports now display time in hours to the hundredth decimal and reports now display time in seconds.
- Due to the Jan 2011 updates, the *Lesson, Student Assessment* and *Class Assessment* reports display time in seconds and the exports of these reports display in minutes to the hundredth.

Possible concerns with changes in display of time in reports and exports, explained:
- The new TToT report and new TToT export can show a difference of as much as 30 seconds for each student. This difference is due to the different formats in display of time and rounding.
- The old report/export and new report/export can show a difference of as much as 3 minutes for each student. This difference is due to the old reports rounding hours to the tenth and the new reports rounding hours to the second.
- The new report and new export can show a difference up to one second for each student. The old report/export and new report/export can show a difference up to 3 seconds for each student. This difference is due to the old reports rounding in minutes to the tenth and the new reports rounding to the second.

## Issues Resolved

General:
- Added Help text for new features
- Added Export option to *Total Time on Task* report.

The *Total Time on Task* can appear greater than the *Total Time in System*:
- Multiple tabs/windows of browser with one session, student now gets warning in original session that original session was closed.
- *Idle Warning* popup does not display when browser set to block pop-ups: A warning box now opens in addition to the warning pop-up so that users that allow pop-ups see two warnings, and users that block pop-ups see one warning.
- Second login did not end first session: A pop-up now opens to notify students that their original session ended.
- GMT issue : *Total Time on Task* and *Total Time in System* reported date as day after actual date when session started after midnight GMT. For example, time at 4:15 PM PST on January 1st

would display on report for January 2nd. Correct day is now displayed.

*Time on Task* can appear less than expected:
- *Subject* and *Unit* Post Tests now report *Time on Task* for a session

## Outstanding Issues Not Resolved

General:
- Idle Warning popup for student when viewing a menu occurs at 30 minutes instead of 10 minutes as exists for lesson or assessment.

The *Total Time on Task* can appear greater than the *Total Time in System*:
- The displayed *Total Time on Task* does NOT equal the sum of the displayed session times. The displayed *Total Time on Task* is calculated in milliseconds and then rounded for display but the displayed session times are rounded to seconds before the totals are calculated.
- If a student does not log out using the 'logout' button, the *Time on Task* for incomplete tests and quizzes will sometimes report in the *Total Time on Task* report as greater than *total time in system*. This is because the end time for task might be after the logout time in the system.

*Time on Task* can appear less than expected:
- The *Time on Task* for lessons in the teacher's lesson report is a sum of the time a student spent reviewing the lesson and taking the quiz. The time shown to the student after taking the quiz only accounts for the quiz time and will not 'match' the time displayed in teacher report as a result.
- *Time on Task* for review of a test or quiz may not report, or may not report as expected if the student does not close the popup using the 'close' button and log out using the 'logout' button.