

## Report December 2015

This is a progress report for the NVDA project in the month of December 2015. The development work is going on in the text to speech engine TTS eSpeak and the screen reader NVDA.

Trainings are also conducted to spread awareness about NVDA.

### NVDA section

The following issues were worked on in the month of November:

Bug ID	Description	Status
4953	MS Excel 2010 - cannot access and interact with form controls placed on the sheet as macros.	In this issues, radio buttons, check boxes and buttons are already made accessible. Work is going on for list box and combo box controls. The test build was made and is available at: <a href="https://www.dropbox.com/s/rqa6kof1niv5bai/nvda_snapshot_source-in_t4953_NEW-4dcb1d2.exe?dl=0">https://www.dropbox.com/s/rqa6kof1niv5bai/nvda_snapshot_source-in_t4953_NEW-4dcb1d2.exe?dl=0</a>
5619	ref bug #2471 Visual Studio 2010 Open Code Editor File Name Not Reported with CTRL+TAB	The work is in progress.
4909	Reference bug#1541: MS Word- charts are not detected and read by NVDA. View all  NVDA does not Inform about the presence of the charts in MS Word documents. There is no way one can reach the charts and read and analyze the charts in Word documents.  Charts are very important for analyzing the business reports. Persons who have to study economics also have to read and understand charts a lot. But as NVDA just cannot read the presence of charts and has no way available to analyze the charts such jobs are not possible with NVDA.	Work is in progress. The ordering of charts was done in MS Word. The branch is pushed for code review by the core team.
5404	In MS Excel if Cells are Protected and Selection Disabled, there should be a way to read any given row/column, to know the last data containing cell in a row/column, especially if the data is sparsely filled. Moreover, there should be a way to directly navigate to first/last data containing cell of any row/column.	The work has gone for review by the core team.
2990	Auto language detection. A basic framework is being made in which NVDA is self is made self-	Work is in progress.

	sufficient to detect the change in language instead of depending on the synthesizer. This will help the screen reader to change the synth depending on the language.	
3683	Reporting cell shading in case of conditional formatting+ reporting excel cell background pattern	Made changes based on core team suggestions after first review and pushed the branch. The branch is pending
5618	Reporting Visual Studio status bar	Created a solution for reporting of status bar of Visual Studio. The approach used was to get the appropriate grandchild of the window object and report that using NVDA. Another approach tried was to get the bottom coordinates of the screen and get status bar object from there but it is giving error in different sized windows. The build is right now in testing. The test build can be downloaded from the link below: <a href="https://www.dropbox.com/s/rveh4ril7vhz6/nvda_snapshot_source-in_t5618-43f8ffb.exe?dl=0">https://www.dropbox.com/s/rveh4ril7vhz6/nvda_snapshot_source-in_t5618-43f8ffb.exe?dl=0</a>
5606	<p>Suggestion: to list the spelling error and grammatical errors in MS Word. The spell check dialog of MSWord is a time consuming process with screen reader. If a dialog that lists the spelling error and grammatical errors, one can reach out to the errors quickly and make the corrections as required in context to the rest of the text in the document.</p> <p>Even in a document with 5 such feature will help increase the speed of making corrections in the documents especially with the latest versions that have new kind of spell check dialogs.</p>	<p>The work has gone for review. The test build can be downloaded from the link below: <a href="https://www.dropbox.com/s/9bmr4xnluaqt2i/nvda_snapshot_source-master-63fca14.exe?dl=0">https://www.dropbox.com/s/9bmr4xnluaqt2i/nvda_snapshot_source-master-63fca14.exe?dl=0</a></p>