**Instructions for Running the VI Analyzer Test Suite**

Version 1.0

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This document is a companion to the **LabVIEW Style Guidelines** document. The **LabVIEW Style Guidelines** contain several items that can be tested automatically by the VI Analyzer.  The following instructions illustrate how to use the VI Analyzer Toolkit (along with several custom tests) to perform automated style checks for many items in the checklist.  Note that these instructions assume you are using an installed build of LabVIEW 2012 for your example development.

1. Install the VI Analyzer Toolkit.
2. Copy the VI Analyzer Tests folder and the ‘Style Guideline Checklist.cfg’ file included with this document to your **[LabVIEW Data]** folder (on Windows 7, this is usually C:\Users\[username]\Documents\LabVIEW Data).
   * **NOTE:** It is \*very important\* to unzip the files to this location. Otherwise, a hang may occur when loading the .cfg file in the VI Analyzer.
   * **NOTE:** If the file or folder already exists, replace it to ensure the most recent version of the tests are used.
3. Launch LabVIEW 2012 and select *Tools > VI Analyzer > Analyze VIs...* .
4. Choose **Load a previously saved analysis configuration file**.
5. In the resulting file dialog, select:
   * [LabVIEW Data]\**Style Guideline Checklist.cfg**
6. Use the **Add Top-level Item** button to add **all of the folders** you wish to test to the "Items to Analyze" list.  **Note**:  *You must select the folders that contain your examples.  Selecting only the top-level VI of your example will only analyze that VI, and none of its subVIs.*
7. Click Next.
8. On the Select Tests page, all the appropriate tests should already be selected for you. (Note: If you happen to already have your own custom VI Analyzer tests installed in the [LabVIEW Data] folder, you may need to deselect them under the *<User-Specified> > VI Analyzer Tests* category.)
9. Click Next.
10. Click Analyze. Select **No** when prompted to save your changes.
11. Once the analysis is complete, browse through all the failure results and correct the issues shown.

**When buddying example code changes, your buddy will expect you to have run these tests and corrected \*all\* failures prior to buddying. Discuss any failures that you purposely did not address with your buddy.**