# Creating, Editing and Deleting System Tolerances

Assigning a Default System Tolerance

The default system tolerance is the tolerance used for pass/fail evaluations when a tolerance is not assigned to the desktop standard.

NOTE
For the color difference equation that have no standard or system tolerance, the program uses tolerances stored in the program code to generate pass/fail evaluations. *See also Appendix, Embedded Tolerances for the tolerances values built into the program code.*

The tolerance that appears in the *System Tolerance, Pass/Fail Tolerances* field is the default system tolerance.
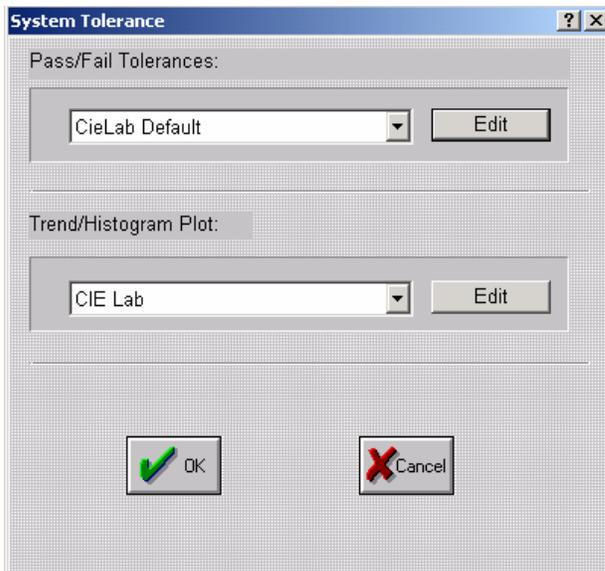
See also Standard Menu, Tolerances for instructions to assign tolerances to individual standards.
See also Applications Technology, Acceptability Tolerances for a detailed discussion of tolerances.
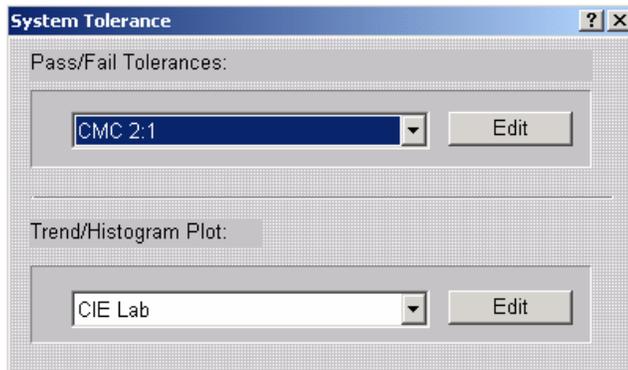
To change the system default tolerance, do the following:

1. In the *Pass/Fail Tolerances* field, click the drop-down list arrow, and highlight a different tolerance.
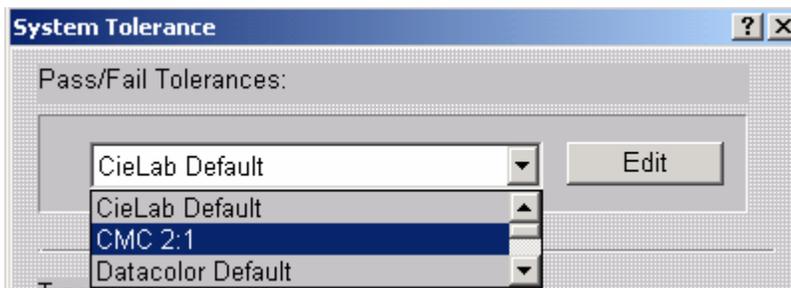
2. Click **OK** at the bottom of the window.   When you re-select System Menu/Tolerance, the new

tolerance you selected will appear in the *Pass/Fail Tolerances* field.
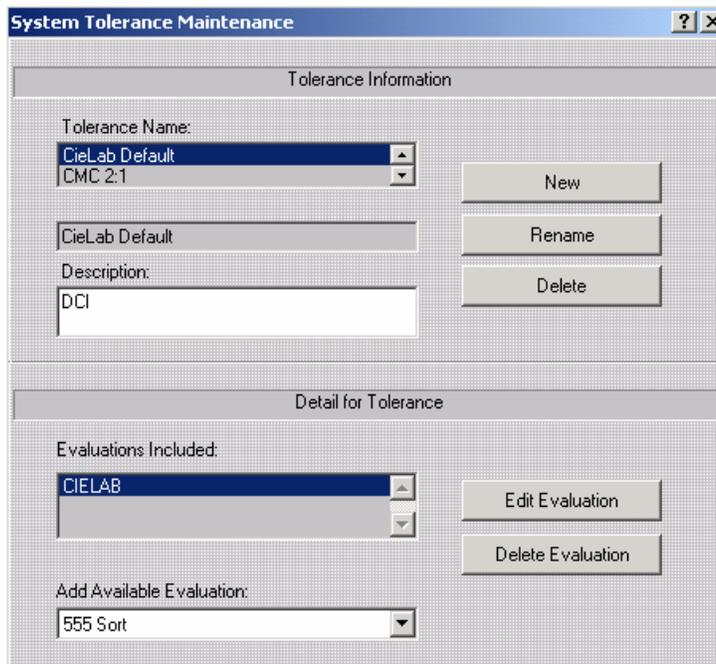
The same procedure is used to change the default selection for Trend/Histogram Plot.

Creating New Tolerances

To create a **new** tolerance, do the following:

1. Select **System Menu, System Tolerance, Pass/Fail Tolerances, Edit**. The System Tolerance Maintenance dialog box displays.

2. Click the **New** button.

3. In the *Tolerance Name* field, enter a name for the new tolerance.

Tolerance Name:

CieLab Default
CMC 2:1

Enter tolerance name here

4. In the *Add Available Evaluation* field, click the down arrow to view the choices. Highlight an evaluation to be added. A window (similar to the one below), containing the parameters for the evaluation displays.

CIE Tolerances

DE	1.0	
Deltas	**Low**	**High**
L		
a		
b		
C		
H		

OK   Cancel

5. Enter the tolerance limits to be used for the equation. The new selection will automatically appear under *Evaluations Included*.

6. Repeat steps 4 and 5 until you have defined all of the evaluations to be included in the tolerance.

7. Click **OK** on the System Tolerance Maintenance window to store the tolerance. It can now be selected as a System or Global (Shared) Tolerance.

See *Tolerance Details* for specific information regarding the fields in the tolerance window.

Editing Tolerances

1. Click on **System Menu, Tolerances**.
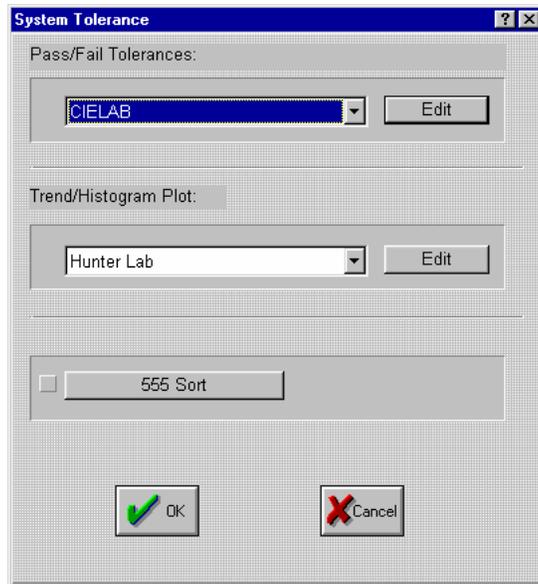
2. In the *Pass/Fail Tolerances* field, click the drop-down list arrow to view the existing tolerances.

3. Highlight one of the tolerances, and click the **Edit** button. The System Tolerance Maintenance dialog box displays.
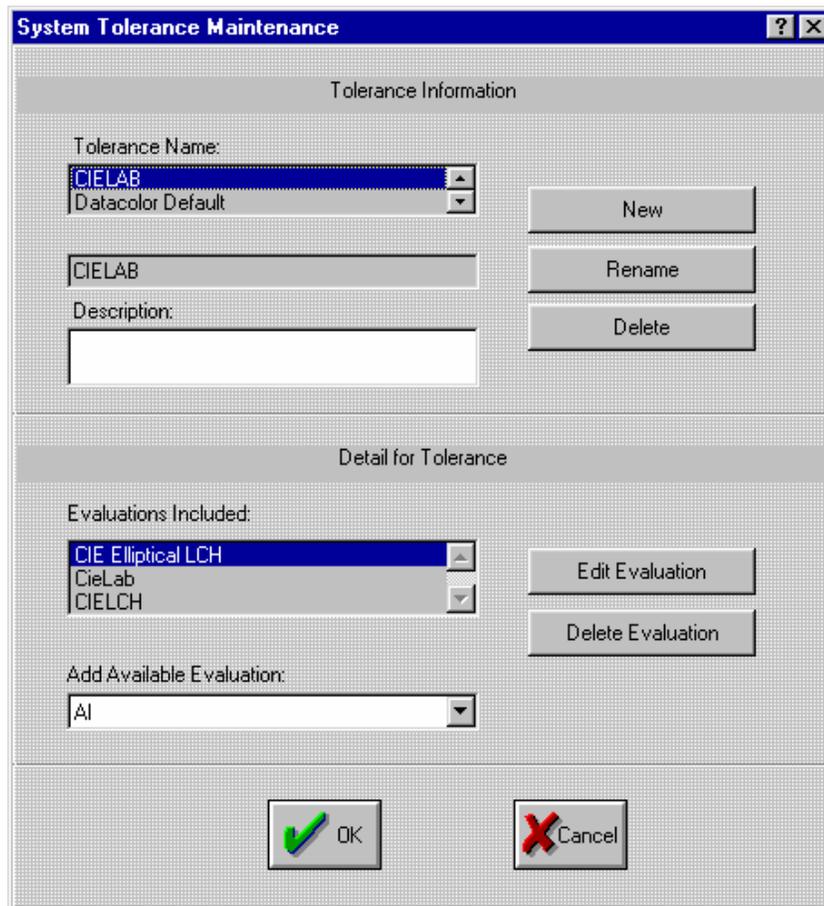
4. To edit existing evaluations in the tolerance, in the *Evaluations Included* field, click the up/down scroll arrow until the evaluation to be edited is displayed, and click on the evaluation name to highlight it.

5. Click **Edit**.

6. A window containing the current parameters for the evaluation displays. Make changes as necessary, and click **OK**.

7. Repeat above procedure as required making all of the desired edits.

To add an evaluation to the tolerance:

1. In the *Add Evaluation* field, highlight the evaluation to be added to the tolerance.

2. Enter the tolerance limits to be used for the equation. The new selection will automatically appear under *Evaluations Included*.

3. Click **OK** to close the window.

4. Repeat the above procedure until you have defined all of the evaluations to be included in the tolerance.

5. Click **OK** on the System Tolerance Maintenance window to store the tolerance. It can now be selected as a System or Global (Shared) Tolerance.

Deleting Tolerances

To delete a tolerance, do the following:

1. Click on **System Menu, Tolerances**.
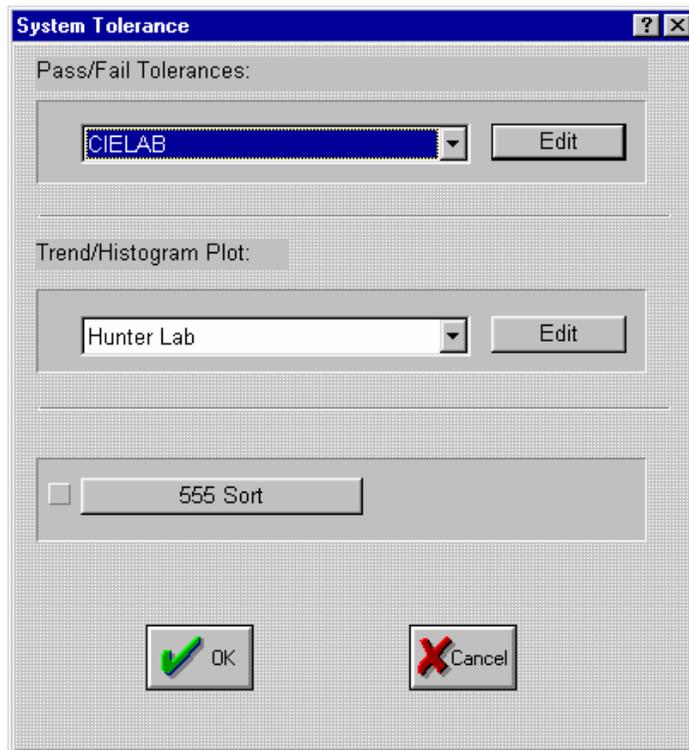
2. In the *Pass/Fail Tolerances* field, click the drop-down list arrow to view the existing tolerances.

3. Highlight the tolerance to be deleted and click **Edit**. The System Tolerance Maintenance dialog box displays.

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┌─────────────────────────────────────────────────────────────┐
│ System Tolerance Maintenance                        ? X     │
│                                                              │
│                    Tolerance Information                     │
│                                                              │
│   Tolerance Name:                                            │
│   ┌────────────────────────────┐ ▲                           │
│   │ CIELAB                     │        ┌──────────────┐      │
│   │ Datacolor Default          │ ▼      │     New      │      │
│   └────────────────────────────┘        └──────────────┘      │
│                                                              │
│   ┌────────────────────────────┐        ┌──────────────┐      │
│   │ CIELAB                     │        │    Rename    │      │
│   └────────────────────────────┘        └──────────────┘      │
│   Description:                                                │
│   ┌────────────────────────────┐        ┌──────────────┐      │
│   │                            │        │    Delete    │      │
│   │                            │        └──────────────┘      │
│   └────────────────────────────┘                              │
│                                                              │
│                    Detail for Tolerance                      │
│                                                              │
│   Evaluations Included:                                      │
│   ┌────────────────────────────┐ ▲                           │
│   │ CIE Elliptical LCH         │        ┌──────────────┐      │
│   │ CieLab                     │        │ Edit Evaluation│     │
│   │ CIELCH                     │ ▼      └──────────────┘      │
│   └────────────────────────────┘        ┌──────────────┐      │
│                                         │Delete Evaluation│    │
│   Add Available Evaluation:             └──────────────┘      │
│   ┌────────────────────────────┐                              │
│   │ AI                         │ ▼                            │
│   └────────────────────────────┘                              │
│                                                              │
│        ┌──────────┐        ┌──────────┐                       │
│        │  ✔  OK   │        │ ✘ Cancel │                       │
│        └──────────┘        └──────────┘                       │
└─────────────────────────────────────────────────────────────┘
```

4. Click **Delete**. The program will prompt, *"Are you Sure?"*. Click **Yes** to delete the tolerance, or **No** to cancel the function.