Activity 9: Use Verification reports to verify color response with a print curve

Contents

Background

You can generate a **PDF Verification report** to verify the following:

- If a calibrated color response of a print calibration curve, Primary Color Output (PCO) or Secondary Color Output (SCO) matches either the target response or the predicted response.
- If a predicted response of a print calibration curve, PCO, or SCO matches the color response of the simulation or conversion target using the curve or DeviceLink method you have chosen.

Tasks

Goal
Create Verification reports to check if the color response of a print calibration curve matches the target. In this activity, you will create two reports:

1. The first Verification report **compares** the **predicted response** to the **target response**
2. The second Verification report **compares** the **measured color response** to the **target response**

This activity assumes you already created a print calibration curve **XX new print calibration curve for gray balance** in a previous activity .

Task 1: Generate a Verification report to compare the predicted response to the target response

1. In ColorFlow, click the **Print Curves** tab.
2. In the **Calibration Curves** table, select **XX new print calibration curve for gray balance**.
3. In the viewer window, click the **Verification** icon ☑ in the connector between the **CMYK Reference** and the **Offset Press** panels.
4. In the **Calibrated Output Verification** dialog box, click the **Measurements** tab at the top of the window.
5. In the **Predicted Response** list in the bottom section, select **Predicted** Process Inks Response Origin and then click **Report**... at the bottom right side.

6. In the **Customer** box, enter the report name: `XX verification report to verify predicted response` (where xx is your initials).
7. In the **Comparison** section at the bottom, select the **Compare to** check box, which automatically select the **Calibration Target**.
8. Click **Save** and choose a location.
9. Open the generated PDF to view the report.

Task 2: Generate a Verification report to compare the measured response to the target response

1. In ColorFlow, click the **Print Curves** tab.
2. In the **Calibration Curves** table, select **XX new print calibration curve for gray balance**.
3. In the viewer window, click the **Verification** icon  in the connector between the **CMYK Reference** and the **Offset Press** panels.
4. In a real-life situation, you export the measurement chart used to characterize the uncalibrated color response, output from Prinergy, print it on the press and measure in ColorFlow to characterize the calibrated color response to be able to generate a Verification report.
   But for the purpose of this training, you will import a measurement data:
   a. Click the **Measurements** tab at the top of the window.
   b. In the **Measured Responses** section in the upper area, click **Import**.
   c. Import the verification data file (**Approval_GRACoL_VerificationData.cgt**).
   The data file appears in the **Measured Responses** list.
5. In the **Measured Responses** list, select the imported measurement and click **Report...** under the Measured Responses section in the middle area.
6. In the **Customer** box in the **Print Report Definition** dialog that appears, enter the report name: `XX verification report to verify calibrated color response` (where xx is your initials).
7. Select the **Compare to** check box under the **Comparison** section at the bottom.
8. Select **Calibration Target**
9. Leave the **Color Difference Metric:** as the default **DeltaE ab (1976)**
10. Click **Save** and choose a location.
11. Open the generated PDF to view the report.

Outcome

You have generated two Verification reports to verify if the predicted color response and the measured color response match the target.