Proposed CIE output linearization for printers and offset machines Printer or offset company Linearization company: «—

realized output options:

Company preference (Y/N)? DIN 33872 (CIE?) linearized (Y/N)? Only one option not specified (Y/N)?

User printer or offset device without or with device specific *PS linearization code* in print output software.

User visual test

with output of DIN 33872-X test charts. Agrees the output with the user wishes (Y/N)?

If No (N) agreement to the user wishes then: Output of reference test chart with 1080 colours. Continues colour change in output (Y/N)? If Yes, then linearization possible and decision: Mail the output to a linearization company. Measures 1080 user colours and produces

—PS linarization code

for user device and paper

For test charts of DIN 33872–1 to –6 see http://farbe.li.tu-berlin.de/A/33872E.html

Advantages of Output Linearization:

- Linear relation between rgb and CIELAB data.
- No loss of visual information for 16 step colour series on different colour devices.
- Grey is printed by black only and not by CMY (complete under colour removal), low cost.