Proposed CIE output linearization for printers and offset machines

Printer or offset company

Linearization company:
Measures 1080 user colours and produces
PS linarization code
for user device and paper

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.

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.

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.

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