## Proposed CIE output linearization for display and data projector devices Display or data projector company: Linearization company: < -Measure 1080 colours of display output realized output options: with no room light reflection and produces One Company preference (Y/N)? 8 PS linarization codes One ISO 9241-306 linearized (Y/N)? for eight room light reflections. Eigth ISO 9241-306 linearized (Y/N)? Only one option not specified (Y/N)? User display or data projector without or with device specific For test charts of ISO 9241–306 see (1.7 and 20MB) up to 8 PS linearization codes http://standards.iso.org/iso/9241/306/ed-2/AE09/AE09F0PX.PDF in display output software. http://standards.iso.org/iso/9241/306/ed-2/AE27/AE27F0PX.PDF Advantages of Output Linearization: User visual test for up to 8 room light reflections - Linear relation between rgb and CIELAB data. with output of ISO 9241-306 test charts. No loss of visual information for 16 step Agrees the output with the user wishes (Y/N)? colour series on different devices - Linearized output of whole display for ergonomic If No (N) agreement to the user wishes then: work depending on room light reflections, Output of reference test chart with 1080 colours. for solutions see ISO 9241-306. Continues colour change in output (Y/N)? If Yes, then linearization possible and decision: Ask display or linearization company for help. SS381-7