process	process	process	document	ISO stage	CIE stage	and mage technology.	
name	owner	members	created	& vote rule	& vote rule	Problem: For example the standard organisations ISO, CEN, DIN, and CIE use	
NWIP	СВ	TCMs CIE:DD	NWI	10 2/3	1 2/3	anticopy software. This software is incompatible with the EPS vector graphic of the software Adobe Illustrator. However, this image software is used since 20 years in standard documents. How to revise these ISO documents?	
assign of WG/TC	СВ	BA+TCC	WG/TC assinged	20 -	3 -	Some existing problems for visibility, readability, resolution, and colour are listed. A solution shall maintain the former high quality of ISO standards. If the	
development WD & Ballot	TCC	TCC+TCMs	WD of TCMs	30 2/3	5 U	anticopy software is necessary then it shall be compatible with EPS vector graphic. Many problems show the PDF document N1581 of ISO TC159/SC4/WG2	
CD & Ballot	TCC	ISO:+TCMs CIE:+DD+DE	CD	40 2/3	7 2/3,U?	Visual Display Requirements. Many colours of three 16 step colour scales between white and RGB disappear on page 36. The Word document with EPS graphic shows all colours as intended.	
DIS/ED & B.	СВ	TCC+TCMs +CB	ISO/DIS CIE/ED	50 2/3	9 2/3	Solution 1: The vector graphic files are transfered to pixel graphic files and are included in the Word file.	
FDIS/ÅD &B.	СВ	TCC+TCMs +CD	ISO/FDIS CIE/AD	60 Y/N+C	11 Y/N+C	Disadvantages: 1. The test results of ISO standards for Visibility, readability and resolution are determined by the pixel software and not by the colour vision properties of users 2. For example the word file size of ISO 9241-306 increases from 3 to 60 MB. This is not accepted by the email servers of standard organisations.	
publica- tion of TR	СВ	TCC	ISO/TR CIE/TR	70 -	12 -		
Abreviations: TR Technical Report, TCC, 30 Technical Committee Convener (Charlo or Member, WDCD Working or Committee Dath, DEEDs and PISINAD Engaging or Approved Date). Unanimous voice CHI Contral Buero, BA, CEI Board of Administration, DDDIC CHI Evision Director/Editor. Solution 2: ISO 0/24-1.306;2018 is published in pixel graphic (low quality). ISO-148- Lattris in vector gain are for download from the ISO Standard Maintenance Portal. Therefore the test quality of ISO 9241-306;2009 remains, see https://standards.iso.org/sio/92941/3066ed-2/indee/.html							
fem40-1A						fem40-2A	
Technical Problems to write standard documents in the field of colour vision and image technology Problem: For example the standard organisations ISO, CEN, DIN, and CIE use anticopy software. This software is incompatible with the EPS-vector graphic of the software dobbe Illustrator. However, this image software is used since 20 years in standard documents. How to revise these ISO documents? Table I: Development of the ISO standard ISO 2941-305e/2018, Quality with vector or pixel graphic, and without or with anticopy software.						References and access to archive-web sites with navigation Basic References [1] CIE Toolkit for Technical Work, see http://www.cie.co.at/rechnical-work/technical-resources [2] ISO What delegates and experts need to know https://www.iso.org/publication/PUB100037.pdf [3] ISO How viso.org/publication/PUB100037.pdf [4] K. Richter, 2016, How to find public Web Pages with broken links https://larbe-tu-berlin de/WBM_find_PFs_16.pdf	
ISO document	graphic softwar			possible mag- nification	remarks quality	WBM access to public CIE documents until 2017 Navigate for Reports of CIE D1: Meeting (MR), Activity (AR)	
ISO/DIS 9241	vector	2MB 4MB	No	16x	very high	Navigate for Keports of CLE D1: Meeting (MK), Activity (AK), and high with conjude 2017 1050-2403 11051/high/did Leico. and n² _ca_id=544 Navigate for Reports of Meeting (MR), Activity (AR), Reportership (RR) Navigate for Reports of Meeting (MR), Activity (AR), Reportership (RR) List of more than 300 CIE documents: http://www.navive.org/web/?hiptp:/files.cie.co.at/* WBM and direct access to public BAM documents until 2010 http://www.navive.org/web/?biol111034852/hir//www.navive.org/web/?biol111034852/hir//www.navive.org/web/?biol111034852/hir//www.navive.org/web/?biol111034852/hir//www.navive.org/web/?biol111034852/hir//www.navive.org/web/?biol111034852/hir//www.navive.org/web/?biol111034852/hir///www.navive.org/web/?biol111034852/hir///www.navive.org/web/?biol111034852/hir///www.navive.org/web/?biol111034852/hir////www.navive.org/web/?biol111034852/hir/////www.navive.org/web/?biol111034852/hir//////www.navive.org/web/?biol111034852/hir//////www.navive.org/web/?biol111034852/hir///////www.navive.org/web/?biol111034852/hir//////www.navive.org/web/?biol11034852/hir///////www.navive.org/web/?biol11034852/hir//////www.navive.org/web/?biol11034852/hir//////www.navive.org/web/?biol11034852/hir//////www.navive.org/web/?biol11034852/hir/////www.navive.org/web/?biol11034852/hir/////www.navive.org/web/?biol11034852/hir/////www.navive.org/web/?biol11034852/hir/////www.navive.org/web/?biol11034852/hir/////www.navive.org/web/?biol11034852/hir////////////www.navive.org/web/?biol11034852/hir///////////////////////////////////	
-306:2017	graphic	23.472.43.472	12	16	quality		
option used in secreteriat	vector graphic	2MB 4MB	Yes	16x	colours disapear 1)		
ISO IS 9241 -306:2018	pixel graphic	60MB 15M	B Yes	1x	very low quality 2)		
DIN print 924 -306:2018	pixel graphic		Yes	1x	not ac- ceptable 3)	Most content of this BAM web site has been transfered in 2018 to: http://farbe.li.tu-berlin.de/A/indexAE.html	
1) about 30% of the colours disapear; 2) the output is defined by the software, and not by the vision properties of users. 3) 4 of 16 grey steps are not distinguishable. The minimum requirement is failed. [mm ² -3\ldots] [mm ² -3\ldots] [mm ² -4\ldots] [mm ² -4\ldots]							
	femio-3n						

Technical problems to write standard documents in the field of colour vision

and image technology.

Development of a Technical Report: Comparison between ISO and CIE

document

ISO stage

CIE stage

process process

process