

ISO/IEC TS 20071-15:2017-12 (E)

Information technology - User interface component accessibility - Part 15: Guidance on scanning visual information for presentation as text in various modalities

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Conformance	3
5	Overview of scanning visual information for presentation as text in various modalities	3
5.1	General	3
5.2	Contexts for scanning	4
5.3	Framework for scanning	4
5.4	Types of devices	5
5.5	Type of software	6
5.6	Scanning modes	7
6	Guidance on scanning visual information for presentation as text in various modalities	8
6.1	General guidance	8
6.1.1	Provide scanning results according to the purpose	8
6.1.2	Provide scanning results equivalent to the object being scanned	8
6.1.3	Provide focus adjustment	8
6.1.4	Provide exposure adjustment	8
6.1.5	Provide position adjustment	9
6.1.6	Providing distance adjustment	9
6.1.7	Provide orientation adjustment	9
6.1.8	Provide accessible initiation of scanning	9
6.1.9	Provide notification during scanning progress	10
6.1.10	Provide the scanning results in a textual representation	10
6.2	User preference settings	11
6.2.1	Enabling user preference settings	11
6.2.2	Selecting scanning modes	11
6.2.3	Selecting purpose of use	11
6.2.4	Selecting image resolution	11
6.2.5	Selecting image enhancement	11
6.2.6	Controlling presentation of visual guidance	11
6.2.7	Selecting post-processing components	12
6.2.8	Selecting modalities for textual representation	12
6.2.9	Selecting other application(s) to be invoked	12
6.2.10	Storing and retrieving user preferences	12
6.3	Scanning input	12
6.3.1	General	12
6.3.2	Scanning/capturing appropriate images	13
6.3.3	Enhancing image quality	13
6.3.4	Recording scanned images	13
6.3.5	Naming scanned images	14
6.3.6	Retrieving scanned images for processing	14
6.4	Processing	14

6.4.1	General	14
6.4.2	Presenting results of processing	14
6.4.3	Pre-processing: selecting visual objects of interest	14
6.4.4	Post-processing: respecting the context	15
6.5	Output	15
6.5.1	General	15
6.5.2	Presenting accessible scanning results	15
6.5.3	Invoking other applications: passing the scanning results	15
6.5.4	Privacy protection and security	16
Annex A (informative) Scanning visual information for presentation as text in various modalities --		
	Use cases	17
Annex B (informative) Checklist of recommendations		21
Bibliography		24